OPIS **Anexa 3.7. Lista de lucrări cadre didactice**	
Nume şi prenume cadru didactic	
Alexa Lidia	3
Aradoaei Mihaela	9
Asiminicesei Oana Maria	19
Baciu Alina	24
Baciu Ioana	28
Beniuga Razvan	30
Brezuleanu Madalina	35
Buju Smaranda	40
Burlica Monica	46
Burlica Radu	49
Caileanu Corneliu	61
Cazacu Marius Mihai	65
Ceuca Razvan	78
Ciurariu Gabriela	80
Ghinda Iulian	90
Danaila Vanda Ligia	91
David Ana Maria	95
Donciu Codrin	98
Dragomir Alin	109
Dudeanu Mihaela	118
Filip Tudor	121
Gabor Georgel	124
Grigoras Gheorghe	128
Herghiligiu Ionut	161
Lazarescu Raluca	179
Livadaru Leonard	188
Luca Florin Alexandru	197

Lunca Eduard	209
Machidon Dragos	221
Neagu Bogdan	231
Nemes Ciprian	254
Nituca Costica	273
Pavel Ionel	278
Pingescu Bodgan	281
Plopa Olga	285
Poboroniuc Marian	293
Rusu Bogdan	315
Scarlatache Vlad	331
Serea Elena	335
Tudor Stanciu	339
Tarniceriu Oana	345
Temneanu Marinel	349
Verzea Ion	360
Vilcu Adrian	381
Vornicu Silviu	392
Albu Mihai	395
Budeanu Catalin	406
Lucache Dorin	408
Mocanu Florentina	419
Pislaru Marius	426
Damian Catalin	443
Aradoaei Sebastian	450
Bujor Adriana	454
Branici Marius	463

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume Prenume: Alexa Elena Lidia
Gradul didactic: Conf. Univ.

A. Teza de doctorat

1. Marketingul urban și impactul acestuia asupra competitivității centrelor urbane, Universitatea „Alexandru Ioan Cuza" Iasi, coordonator – Prof. Univ. Dr. Ștefan Prutianu. Ordinul Ministrului Educației Naționale nr. 165 din 07.04.2014.

B. Cărţi si capitole în cărţi publicate în ultimii 10 ani

1. **Alexa, L.,** Lăzărescu, R.P. (2022). *Managementul marketingului. Teorie. Aplicații.Teste grilă*. Ed. Performantica, Iași. 240 de pagini. ISBN 978-606-685-961-5.
2. Lidia Alexa (2021), *Managementul marketingului. Note de curs.* Editura Performantica, Iași, ISBN 978-606-685-840-3, 154 pagini
3. Avasilcăi, S., Huțu, C.A., **Alexa E. L.** (2016), *Metodologia de cercetare* cap. în Inovare prin Co-creare în era online, editori Avasilcăi, S., Huțu, C.A, pp. 65-86, Ed. Performantica, Iași, 434 pag.
4. **Alexa E. L.** (2016), *Studiu de caz DELL* cap. în Inovare prin Co-creare în era online, editori Avasilcăi, S., Huțu, C.A, pp. 219-243, Ed. Performantica, Iași, 434 pag.
5. Stoica, C.M., **Alexa E.L**., (2016) *Marketing educaţional*, Ed. Tehnopress Iasi, ISBN 978-606-687-247-8 – 125 de pagini.
6. Stoica, C.M., **Alexa E.L.** (2010). *Cercetări de marketing. Teorie şi aplicaţii.* Editura C.H. Beck, Bucureşti, 296 de pagini. ISBN 973-115-777.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

7. Suport de curs Cercetări de marketing. 49 de pagini
8. Suport de curs Bazele managementului II. 77 de pagini
9. Suport de curs Educație antreprenorială. 60 de pagini
10. Suport de curs E-Business. 65 de pagini.
11. Suport de curs Managementul ciclului de viața al produselor. 40 de pagini.
12. Suport de curs Managementul ciclului de viața al produsului. 56 de pagini.
13. Suport de curs Educație antreprenorială. 48 de pagini.
14. Suport de curs Administrarea proiectelor în Era digitală. 49 de pagini.

F. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

Reviste cotate ISI:

11. **Alexa, L.,** Alam, M. M. D., Chelariu, C., Rahman, S. A., & Taghizadeh, S. K. (2024). Exploring the Institutional and Personal Determinants of Social Entrepreneurial Intentions: A Cross-Country Analysis. *Journal of Social Entrepreneurship*, 1–32. IF 2,6 Q3
12. Dosoftei, C.C., **Alexa, L.** Students' perception of peer teaching in engineering education: a mixed–method case study. HUMANITIES & SOCIAL SCIENCES COMMUNICATIONS, 11, 793 (2024). IF 3,7, Q1 https://doi.org/10.1057/s41599-024-03349-y
13. **Alexa, L.,** Pîslaru, M., Avasilcăi, S., Lucescu, L., Bujor, A., Avram E. (2022). Exploring Romanian Engineering Students' Perceptions of Covid-19 Emergency e-Learning Situation. A Mixed-Method Case Study. *Electronic Journal of e-Learning*, 20(1), pp. 19-35. ISSN 1479-4403. doi: https://doi.org/10.34190/ejel.20.1.2190. WOS:000799107600002. IF: 1,05.
14. Mohammad Ali Ashraf, Mirza Mohammad Didarul Alam, **Lidia Alexa** (2021), Making decision with an alternative mind-set: Predicting entrepreneurial intention toward f-commerce in a cross-country context, Journal of Retailing and Consumer Services, ISSN: 0969-6989, WOS:000632435300006. https://www.sciencedirect.com/science/article/pii/S0969698921000412?via%3Dihub
15. Seyedeh Khadijeh Taghizadeh, Syed Abidur Rahman, Davoud Nikbin, Mirza Mohammad Didarul Alam, **Lidia Alexa**, Choo Ling Suan & Shirin Taghizadeh (2021) Factors influencing students' continuance usage intention with online learning during the pandemic: a cross-country analysis, *Behaviour & Information Technology*, DOI: 10.1080/0144929X.2021.1912181. WOS:000639089400001. https://www.tandfonline.com/doi/abs/10.1080/0144929X.2021.1912181?journalCode=tbit20
16. **Alexa L**, Apetrei A, Sapena J. (2021) The COVID-19 Lockdown Effect on the Intention to Purchase Sustainable Brands. *Sustainability*. 2021; 13(6):3241. WOS:000645718100001. https://doi.org/10.3390/su13063241. https://www.mdpi.com/2071-1050/13/6/3241
17. **Alexa, L**.; Maier, V.; Șerban, A.; Craciunescu, R. Engineers Changing the World: Education for Sustainability in Romanian Technical Universities — An Empirical Web-Based Content Analysis. *Sustainability* **2020**, *12 (5)*, 1983. ISSN 2071-1050. WOS:000522470900284. https://www.mdpi.com/2071-1050/12/5/1983
18. Avadanei, M., Olaru, S., Ionescu, I., Ursache, M., Ciobanu, L., **Alexa, L.,** Luca, A., Olmos, M., Aslanidis, T., Belakova, D., Silva, C., (2020) ICT new tools for a sustainable textile and clothing industry, In: Industria Textila, 2020, 71, 5, 504-512, WOS:000586533900015. http://revistaindustriatextila.ro/images/2020/5/015%20MANUELA%20AVADANEI_Industria%20Textila%205_2020.pdf

Reviste ISI Proceedings

19. Bagiu, N., Avasilcăi, S., **Alexa**, L. (2020) Exploring the opportunity for a hybrid methodology in project management: a focus group approach, *IOP Conf. Series: Materials Science and Engineering* 898 (2020) 012045 IOP Publishing doi:10.1088/1757-899X/898/1/012045
20. **Alexa, L.;** Alam, M.M.D. (2019) Industry 4.0 adoption. An overview of European Union Enterprises, in Proceedings of the 34th IBIMA Conference: Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage, 13-14 November 2019, Madrid, Spain. 978-0-9998551-3-3. WOS:000561117201022
21. **Alexa, L.,** Avasilcai, S., Pislaru, M. (2018) *Creativity as a Service - The Case of eYeka*, in Soliman, KS (Ed.) Innovation Management And Education Excellence Through Vision 2020, VOLS I –XI, Proceedings of the 31st International-Business-Information-

Management-Association Conference, APR 25-26, 2018, Milan, ITALY, ISBN:978-0-9998551-0-2, pp. 5171-5178, Accession Number: WOS:000444067202141

22. Pislaru, M., **Alexa, L.,** Avasilcai, S., (2018) *Assessment of Project Management Implementation Based On Fuzzy Logic Approach*, in Soliman, KS (Ed.) Innovation Management And Education Excellence Through Vision 2020, Vols I–XI, Proceedings of the 31st International-Business-Information-Management-Association Conference, APR 25-26, 2018, Milan, ITALY, ISBN:978-0-9998551-0-2, pp. 6079-6086, Accession Number: WOS:000444067203030
23. Bagiu, N., Avasilcăi, S., **Alexa, L**., (2018) *„An "agile" approach to develop a crowdsourcing platform: the case of Cre@tive.biz"*, 04011, Annual Session of Scientific Papers ModTech 2018, IOP Conf. Series: Materials Science and Engineering 400 (2018) 062003, DOI: 10.1088/1757-899X/400/6/062003, eISSN: 2261-236X, no. 184, pp 1 – 8, Accession Number: WOS:000461147400145
24. Bagiu, N., Avasilcăi, **S., Alexa**, L., Pîslaru, M. (2018) *Balancing contrasting approaches to develop an online community: The case of CRE@TIVE.BIZ*, Proceedings of 6th RMEE International Management Conference: „Performance Management or Management Performance? ", 20-22 septembrie, Cluj-Napoca, ISSN: 2247 – 8639, pp. 572 – 577. WOS:000471723700079
25. **Lidia Alexa**, Silvia Avasilcăi (2017), *An Empirical Research on Co-Creation in the Romanian Electronic Industry: The E-PICUS Case*, Proceedings of the 29th International Business Information Management Association Conference - Sustainable Economic Growth, Education Excellence, and Innovation Management through Vision 2020, pp. 2211 – 2216, ISBN: 978-0-9860419-7-6, Accession Number: WOS:000410252701090.
26. **Lidia Alexa**, Silvia Avasilcăi (2017), *Online Marketing as Part of the Internationalization Strategy An Analysis over Website Communication,* Proceedings of the 30th International Business Information Management Association Conference, Vision 2020: Sustainable Economic development, Innovation Management, and Global Growth, pp. 2043-2056. ISBN: 978-0-9860419-9-0, Accession Number: WOS:000443640501075
27. **Alexa, E.L.**, Alexa, M., Stoica, C.M. (2012) *Marketing Evolution: from Product Marketing to City Marketing,* Proceedings of 18th IBIMA Conference on Innovation and Sustainable Economic Competitive Advantage: From Regional Development to World Economies, Istanbul, Turkey, ISBN 978-0-9821489-7-6. Indexat ISI Web of Science și SCOPUS. WOS:000317549801019
28. **Alexa, E.L.,** Alexa, M., Stoica, C.M. (2012) *The Use Of Online Marketing And Social Media In Higher Education Institutions In Romania,* Journal of Marketing Research & Case Studies, ISSN: 2165-7009, 9 pages. Revista indexată în EBSCO*host:* Business Source Complete, EBSCO*host:* Business Source Corporate Plus, Cabell's Directory, ProQuest, Ulrich's Periodicals Directory, Media Finder, J-Gate, JournalSeek, Airiti Library, CNKI Scholar, WorldCat. WOS:000317550000032

H. Reviste incluse în alte BDI

29. N Bagiu, S Avasilcăi, **L Alexa** (2019) *An overview of strategic issues in the evolution of IT industry*, IOP Conference Series: Materials Science and Engineering, Volume 568, Annual

Session of Scientific Papers "IMT ORADEA 2019" 30–31 May 2019, Oradea, Felix SPA, Romania.

30. Pîslaru M., Avasilcăi S., **Alexa L.E.** (2019) Fuzzy Modeling of Customized Solutions for Corporate Performance Assessment. In: Bilgin M., Danis H., Demir E., Can U. (eds) Eurasian Business Perspectives. Eurasian Studies in Business and Economics, vol 10/1. 255-266, Springer, Cham.
31. **Lidia Alexa,** Silvia Avasilcăi (2018) *The requirement elicitation process of designing a collaborative environment – The CRE@TIVE.BIZ case,* MATEC Web Conf. Volume 184, 2018 Annual Session of Scientific Papers IMT ORADEA 2018, ISSN, 2261-236X, DOI: 10.1051/matecconf/201818404010
32. **Alexa, E.**L., Avasilcăi, S., Hutu, C.A. (2017) Crowdsourcing: concepte si abordari, Revista de Management si Inginerie Economica, Ed. Todesco, Cluj-Napoca, ISSN 1583-624x, Vol. 16, No. 4(66) (B+ CNCSIS, indexata EBSCO, ULRICH'S Periodicals Directory, Index Copernicus, Cabell's directory)
33. Adriana BUJOR, Silvia AVASILCAI, **Lidia ALEXA** (2017) *Co-creation in fashion industry: the case of Awaytomars*, Revista Annals of the Oradea University. Fascicle of Management and Technological Engineering, CNCSIS "Clasa B+", ISSN 2501-5796 (CD edition), ISSN 1583-0691 (online), ISSN-L 1583-0691 (online), Volume XXVI (XVI), 2017/3**, D**OI: 10.15660/AUOFMTE.2017-3.3295, pp. 22-25
34. **Lidia ALEXA**, Silvia AVASILCĂI, Adriana BUJOR (2017) *An open innovation marketplace: The case of Innocentive*, Revista Annals of the Oradea University. Fascicle of Management and Technological Engineering, CNCSIS "Clasa B+", ISSN 2501-5796 (CD edition), ISSN 1583-0691 (online), ISSN-L 1583-0691 (online),
35. **Alexa, E.L.,** Avasilcăi, S., Huțu, A.C, (2016) *Developing Online Co-Creation Instruments Based On A Focus Group Approach: The E-Picus Case*, Proceedings Of The Annual Session Of Scientific Papers IMT Oradea 2016 Volume XV (XXV) IMTU, 49-52 pp, ISBN 978-606-10-1537-5
36. Pîslaru, M, **Alexa E. L.,** (2016) *Environmental Management Of A Company Based On Fuzzy Model* - Proceedings Of The Annual Session Of Scientific Papers IMT Oradea 2016 Volume XV (XXV) IMTU, University of Oradea, 67-72 pp., ISBN 978-606-10-1537-5, DOI: 10.15660/AUOFMTE.2016-2.3243
37. **Alexa, E.L.,** Alexa, M., (2015) *A Conceptual Approach Over E-Business Model Evaluation*, Review of Management and Economic Engineering, Volume 14, No. 4 (58), ISSN 1583-624X Revistă Indexată În Ulrich's Periodicals Directory, Ebsco Business Source(R) Complete Database, Index Copernicus, Cabell's Directory
38. **Alexa, E.L.,** Alexa, M., Avasilcăi, S. (2014) *An empirical research on open innovation and co-creation: the IdeaStorm project by DELL,* Review of Management and Economic Engineering, Volume 13, No. 4 (54), 779-788, ISSN 1583-624X Revistă indexată în ULRICH'S Periodicals Directory, EBSCO Business Source(r) Complete database, Index Copernicus, Cabell's directory.

I. Lucrări publicate în volume ale congreselor internaţionale:

39. Șerban, **L. Alexa,** V. Maier, R Crăciunescu (2021), Shaping the pathways to entrepreneurship. Entrepreneurial education in Romanian technical universities, 16th European Conference on Innovation and Entrepreneurship, ECIE 2021, 16-17 Septembrie, 2021, Lisabona, Portugalia, ISBN – 978-1-914587-09-2, pp. 883 – 891
40. L.C. SIMION, S. AVASILCAI, **E.L ALEXA (2021),** Transition Industry 4.0 to 5.0-Renaissance of Human Driven Approach Adding Value to People & Management Performance, *Strategica. Shaping the Future of Business and Economy*, ISBN: 978-606-749-579-9, pp. 897-917
41. Maier, V., **Alexa**, L., Craciunescu, T. (2020) *Online Education during the COVID19 Pandemic: Perceptions and Expectations of Romanian Students*, ECEL 2020 - Proceedings of the 19th European Conference on e-Learning, 28-30 October 2020, A Virtual Conference, ISBN: 978-1-912764-78-5. DOI:10.34190/EEL.20.147
42. **Alexa, E.L.,** Avasilcăi, S., Bujor, A. (2017) *Multiple Stakeholders's Co-Creation Process in New Product Development: An Exploratory Analysis*, Proceedings Of The Annual Session Of Scientific Papers IMT Oradea 2017, MATEC Web Conf. Volume 126, DOI: https://doi.org/10.1051/matecconf/201712604005
43. Tudose, B., **Alexa, E.L.,** (2017), *The Effect of Marketing Spending on Sales – An Empirical Analysis on the Automotive Industry*, Proceedings Of The Annual Session Of Scientific Papers IMT Oradea 2017, MATEC Web Conf. Volume 126, DOI: 10.1051/matecconf/201712604004
44. Bujor, A., Avasilcăi, S., **Alexa, E.L.,** (2017), *The Nature of the Creative Workforce*, Proceedings Of The Annual Session Of Scientific Papers IMT Oradea 2017, MATEC Web Conf. Volume 126, DOI: 10.1051/matecconf/201712604010
45. Pislaru, M., Avasilcăi, S., **Alexa, E.L.** (2017) *Urban recyclability: a creative approach based on fuzzy assessment,* 17th International Multidisciplinary Scientific Conference SGEM 2017 Conference Proceeding Volume 17, pp. 267-274, ISSN 1314-2704, ISBN 987-619-7408-28-7.
46. **L Alexa**, M Alexa, S Avasilcăi, (2016) *Gaining a Competitive Edge through Action Design Research, ModTech International Conference - Modern Technologies in Industrial Engineering IV*, IOP Conf. Series: Materials Science and Engineering 145, DOI: 10.1088/1757-899X/145/6/062001.

J. Invenții

K. Contracte de cercetare

Participare la contracte de cercetare/granturi în calitate de membru în echipa de proiect:
Contracte la nivel national

47. 2023 – Erasmus+ KA2, 2022-1-FI01-K4220-HED-000090147 – *Inclusion to Digital Learning* (Dig2Ing). Contract nr. 23772/28.02.2023. 5 luni. Membru în echipa de implementare.
48. 2023 - Erasmus + KA20HED, 2021-1-RO01-KA220-HED-000027527 – *Innovative smart textiles & entrepreneurship* (Hacktex). 6 luni. Membru în echipa de implementare.
49. 2022 - SMIS 142152 – *Susținerea Tinerilor pentru afaceri reușite* (STAR). Contract de muncă nr. 22095 din 7.01.2022. 3 luni. Membru în echipa de implementare.
50. 2022 – Grant intern Top-down, nr. GI-TD-DigitAll-10/2022. *Centru pentru Antreprenoriat în sectorul digital* (CEASeD). 6 luni. Membru în echipa de implementare.
51. 2022 - Contract cercetare agent economic nr. 220607022 - East Marketing Insights. Valoare 31.063,76 lei (6339,54 Euro). Director de proiect.

52. 2021 - Sustainable Entrepreneurship Summer School (SESS). Proiect nr. JAR2021_014 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement Romania. Manager de proiect.
53. 2020 - Sustainable Entrepreneurship Summer School (SESS). Proiect nr. JAR2020_018 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement Romania. Manager de proiect.
54. 2020 - 2021 Dezvoltarea culturii antreprenoriale a studenților de la inginerie și arhitectură prin crearea unei rețele de centre de pregătire în antreprenoriat-AntreprenorIng. Membru în echipa de implementare.
55. 2020 - 2021 - Erasmus+:Skills4Smart TCLF Industries 2030, acronim TCLF, nr. 2017-3536/001-001. Membru în echipa de implementare.
56. 2019 TCBL –Textile and Clothing Business Labs, Transformative Business Models for the Textile Clothing. Nr. proiect: SEP-210187456 Programul de finanțare: H2020-NMP-2014-two-stage
57. 2019 - Contract CNFIS-FDI-2019-0021 Internaționalizarea Educației pentru Studenți la TUIASI - International Week for Phd Students and Researchers - Workshop on Social Entrepreneurship Education
58. 2018-2020 - Erasmus+ 2017-1-ESO1-KA202-038419 - *Circular ECOnomy Innovative Skills in the TEXtile Sector* (ECOTEX).
59. 2018-2019 - Erasmus+ 2017-1-UK01-KA202-036733 - *Boosting online cross-border sales of shoes through e-commerce coaching for SMEs from the shoe industry* (Boost4Shoes).
60. 2017 – 2018 - CNFIS – FDI -2017 – 0206, *International la puterea t*, financed through the Institutional Development Fund 2016, National Council for Financing Higher Education, Domain 2: Romanian Higher Education Internationalization.
61. 2017 – 2018 – PN-III-P2-2.1-PED-2016-0689, *Digital Innovation Model for Business Ecosystems from Creative Industries* - CRE@TIVE.BIZ**,** "Gheorghe Asachi" Technical University of Iasi.
62. 2015 - Proiect PN-II-PT-PCCA-2013-4-1811 *"E-soluții de inovare prin implicarea pro-activa a clienților in crearea de valoare pentru creșterea competitivității organizaționale"* (E-PICUS), 2014-2016, contract nr. 322/2014, Membru în echipa de implementare.

Data:
9.09.2025

Semnătura:



Anexa A.3.7 - ***Lista de lucrări cadre didactice***

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Conf. dr. ing. Arădoaei Mihaela

A. Teza de doctorat.

1. Contribuții privind caracterizarea biocompozitelor reciclate cu destinația elctrotehnică, susținută în data de 24.10.2011, Universitatea Tehnică "Gheorghe Asachi" din Iasi, domeniul Inginerie Electrică, conducător de doctorat Prof. Dr. Ing. Ciobanu Romeo Cristian

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

-

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. **Mihaela Aradoaei**, Romeo Cristian Ciobanu, Integrarea sistemelor hardware în clădiri inteligente din punct de vedere energetic, Editura PIM, Iasi, 2025, ISBN 978-606-13-9514-9, 618 pagini.
2. **Mihaela Aradoaei**, Cristina Mihaela Schreiner, Romeo Cristian Ciobanu, Noţiuni de calitate şi fiabilitate în ingineria electrică, Editura PIM, Iași, 2025, ISBN 978-606-13-9513-2, 170 pagini.
3. Romeo Cristian Ciobanu, Cristina Mihaela Schreiner, **Mihaela Aradoaei**, Calitate Fezabilitate Fiabilitate Mentenanță- Aplicaţii practice în ingineria electrică, Editura PIM, Iași, 2025, ISBN 978-606-13-9512-5, 212 pagini
4. **Mihaela Aradoaei**, Romeo Cristian Ciobanu, Chimie - Elemente de electrochimie – Îndrumar de laborator, Teste și Probleme, Editura PIM, Iași, 2023, ISBN 978-606-13-7818-0, pp. 221.
5. Romeo Cristian Ciobanu, **Mihaela Aradoaei**, Elemente de Electrochimie, Editura PIM, Iași, 2023, ISBN 978-606-13-7819-7, pp. 232.
6. Aradoaei Sebastian Teodor, **Mihaela Aradoaei**, Tehnologii inovative de reciclare și biocompozitare a materialelor din plastic și biomasă, Editura PIM, Iasi, 2023, ISBN 978-606-13-7816-6, pp. 323 .
7. Aradoaei Sebastian Teodor, **Mihaela Aradoaei**, Realizarea biocompozitelor din materiale platice și biomasă, Editura PIM, Iasi, 2023, ISBN 978-606-13-7817-3, pp. 199
8. **Aradoaei Mihaela**, Romeo Cristian Ciobanu, Aradoaei Sebastian Teodor, Caracterizarea biocompozitelor reciclate cu destinația electrotehnică, Editura Pim Iași, 2019, ISBN978-606-13-5040-7, pp.192.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

-

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. **Mihaela Aradoaei**, Alina Ruxandra Caramitru, Magdalena Lungu, George Ursan, Romeo Cristian Ciobanu, Magdalena Aflori and Andrian Parfeni, Thermoplastic Recycling of WEEE Carcasses with the Incorporation of Talc, Fly Ash, and Elastomers for Composites with Electromagnetic Interference Shielding Characteristics for Electric Car Components, Polymers Journal 2025, Volume 17, Issue 17, 2394, DOI:10.3390/polym17172394, WOS:001569728100001
2. **Mihaela Aradoaei**, Romeo Cristian Ciobanu, Cristina Mihaela Schreiner, Gheorghe Grigoras, and Razvan Petru Livadariu, BENEFIT: An Energy Management Platform for Smart and Energy Efficient Buildings, Energies Journal 2025, Volume 18, Issue 17, 4542, DOI:10.3390/en18174542, WOS:001569696500001
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G. Lucrări ştiinţifice publicate în reviste din străinătate.

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I. Lucrări ştiinţifice publicate în volumele conferinţelor.

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J. Invenţii.

1. Brevet de invenție nr. 135946/2022 cu titlul " Procedeu de evaluare a contaminării cu biomolecule a suporturilor pe bază de polierilen tereftalat reciclat", inventatori: Dodi Gianina, Cojocaru Florina Daniela, Popescu Diana, Mihaai Cosmin Teodor, Mihaela Arădoaei, Romeo Cristian Ciobanu

K. Contracte de cercetare.

1. **Director proiect - NEEDS Repowered - Navigând în ape tulburi: Restructurarea orașelor în perioade de criză-** Contract de finanțare 127/2025, Contract de cercetare/finanţare tip COFUND, program 5.8. - Cooperare europeană și internațională, subprogram 5.8.1. - Orizont Europa, durată 35 luni, buget 1.000.000 lei
2. **Director proiect** - ***Tehnologia de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabile sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale-*** Contract de finanțare 19/2018, Program PN III - Cooperare Europeană și Internațională - Subprogram 3.2 - Orizont 2020, Tip Proiect - ERANET, COFUND-MANUNET III-AniConFilm-2, durată 24 luni, , buget 388.270 lei
3. **Membru** - *Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions*, DaWetRest, Contract nr. 101113015/2023, din cadrul HorizonEurope, finanţat prin CE HORIZON Action Grant Budget-Based, durata 36 luni, buget 88.062,50 euro
4. **Membru** - *Grant pentru susținerea capacității de publicare*, grant intern GI/P10/2021, buget 45.000 lei
5. **Membru** - *Grant pentru idei de proiect*, grant intern GI/P1/2021_IDEI, , buget 40.000 lei
6. **Membru** - *Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane (MINaFBioS)*, PN III - ERANET, MANUNET-III, Contract nr. 149/2020, durata 24 luni, buget 432.250 lei
7. **Membru** - *Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor (INTREPIDUS)*, PN III ERANET-EURONANOMED, Contract nr. 193/2020, durata 36 luni, buget 535.700 lei
8. **Membru** - *Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi*, (CARBIOSENSE), Programul MANUNET ERANET, Contract nr. 7-038/ 13.05.2011, durata 33 luni, buget 381.282,62 lei
9. **Membru** - *Sisteme software cu arhitecturi versatile de management al energiei și de optimizare a indicatorilor de performanță energetică a clădirilor inteligente, dezvoltate în cadrul clusterului euronest IT&C HUB*, Programul Operaţional

Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei

10. **Membru** - *Cercetare-dezvoltare de materiale compozite inovative nanostructurate, activabile in camp de radiofrecventa si de microunde, pentru tehnologii reversibile de asamblare cu aplicatii intersectoriale*, Programul Operaţional Competitivitate, Contract nr. 119/16.09.2016, ID P_37_757, My SMIS 104089, durată 48 luni, buget 11.140.371 lei
11. **Membru** - *Realizarea inovativă de produse compozite termoplastice cu proprietăţi superioare de ecranare electromagnetică prin reciclarea integrată a deşeurilor electronice, (RECEMAT)*, Programul Operaţional Sectorial Creşterea Competitivităţii Economice, Axa Prioritară 2 – Competitivitate prin CDI, Contract nr. 460/03.04.2013, ID 1372/SMIS 41074, durată 26 luni, buget 3.498.500 lei
12. **Director proiect** - Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice, Programul Operaţional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei
13. **Director proiect** - Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei
14. **Director proiect** - Dezvoltarea de materiale compozite ceramice geopolimerice, din deseuri industriale, cu proprietati superioare de ecranare electromagnetica si termica, pentru constructii speciale, Programul EUREKA-EUROSTARS- NEWCOMAT, Contract 316E/15.05.2012, durată 19 luni, buget 367.710 lei
15. **Membru** - Mitigarea riscului pentru sănătatea publică privind contaminanții biochimici ai ambalajelor farmaceutice și alimentare reciclate printr-o nouă metodologie bazată pe analiza spectrală în domeniul THz (THzPET), PN-III-P2-2.1-657PED/2020, durată 18 luni, buget 250.000 lei
16. **Membru** - Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 636/16.03.2020, My SMIS 105725, durată 15 luni, buget 630.199 lei
17. **Membru** - Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală, Programul Operaţional Competitivitate, Contract subsidiar nr. 8733/05.12.2019 - 659/06.12.2019, My SMIS 105689, durată 32 luni, buget 900.000 lei
18. **Membru** - Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili, 4DPrintEN, Proiect cod COFUND - ERANET MANUNET III, Contract de finantare nr. 96/01.06.2019, durată 24 luni, buget 468.100 lei
19. **Membru** - Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie, Programul Operaţional Competitivitate, Contract subsidiar nr. 370/20.02.2019, My SMIS 105726, durată 24 luni, buget 880.000 lei
20. **Membru** - Reciclarea avansata integrata a deseurilor combinate inseparabile de mase plastice si hartie, nereciclabile prin tehnologiile actuale, Programul Operaţional Competitivitate, Contract subsidiar nr. 366/11.09.2017 - 15351/13.09.2017, My SMIS 105581, durată 24 luni, buget 900.000 lei
21. **Membru** - Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „green building concept, Programul EUREKA- FEVAL, Contract 308E/19.08.2011, durată 35 luni, buget 390.074 lei

L. Premii, distincţii.

1. **Premiul** - Premierea rezultatelor cercetarii UEFISCDI Program 5.2, Subprogram 5.2.3 - Premierea rezultatelor cercetarii - Articole Web of Science, Competitia 2023 - Lista 1 - Cereri premiere pentru articole publicate in anul 2021_aprobate, cu incadrare in bugetul competitiei, pag. 63/79, nr. crt. 873, cod depunere PN-IV-P2-2.3-PRECISI-2023-82452, pentru articolul Megha Sahu, Lakshmi Narasimhan, Ashok M. Raichur, Alexandru Sover, Romeo C. Ciobanu,Nicolae Lucanu, **Mihaela Aradoaei**, *Improving Fracture Toughness of Tetrafunctional Epoxy with Functionalized 2D Molybdenum Disulfide Nanosheets*, Polymers Journal, 2021, Volume 13, Issue 24, 4440, DOI: 10.3390/polym13244440, WOS:000737388000001, ISI web of Science **(Jurnal)**.
2. **Premiul** - Premierea rezultatelor cercetarii UEFISCDI Program 5.2, Subprogram 5.2.3 - Premierea rezultatelor cercetarii - Articole Web of Science, Competitia 2023 - Lista 1 - Cereri premiere pentru articole publicate in anul 2021_aprobate, cu incadrare in bugetul competitiei, pag. 63/79, nr. crt. 876, cod depunere PN-IV-P2-2.3-PRECISI-2023-82488, pentru articolul Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, **Mihaela Aradoaei**, Nicolae Lucanu, *Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication*, Polymers Journal, 2021, Volume 13, Issue 23, 4253, DOI: 10.3390/polym13234253, WOS:000734564000001 ISI web of Science (Jurnal).
3. **Premiul** - Premierea rezultatelor cercetarii UEFISCDI - Articole, Competitia 2021, Rezultate evaluare Lista 6_Partial, pag. 124-125, nr. crt. 330, cod depunere PN-III-P1-1.1-PRECISI-2021-67434, pentru articolul V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, M. Aradoaie, R. Ciobanu, L. Pintilie, Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS–Fe_3O_4 Composites, Materials 2021, Volume 14, Issue 13, 3696.
4. **Diplomă de aur** pentru *Procedeu și compoziție pentru obținerea de compozite poliolefine/material cheratinic*, la Salonul Internațional de Invenții și Inovații „Traian Vuia", Timisoara, 10 octombrie 2022

M. Alte realizări semnificative.

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Data: 24. 02.2026

Conf. Dr. Ing. Arădoaei Mihaela



A N E X A 3 . 7

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE MANAGEMENT
Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**
Conf.dr.ing. Oana-Maria Asiminicesei

L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. ***Cercetări privind controlul şi măsurarea poluării electromagnetice***, conducător ştiinţific prof. univ. dr. Mihai Creţu, 2009.

B. Cărţi si capitole în cărţi publicate în ultimii 10 anii

1. Constantin Sărmășanu **– coordonator-Seria: Antreprenoriat pentru ingineri și arhitecți, Coordonator Vol.3 Oana-Maria Asiminicesei-Afaceri digitale** – Capitole:
   - *1.1.* Capitolul 1- **Oana-Maria Asiminicesei**," Antreprenoriat-***trecut și prezent. Economia digitală-Societatea informațională. Antreprenor/Antreprenoriat-Concepte generale"-*** Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.14-pag.39 (25 pagini)
   - *1.2.* Capitolul 2- **Oana-Maria Asiminicesei – *"Calitățile și abilitățile unui antreprenor de succes. Gândire și comportament antreprenorial" "*-** Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.40-pag.46 (6 pagini)
   - *1.3.* Capitolul 3- **Oana-Maria Asiminicesei- "*Sursele de finanțare pentru o idee de afaceri. Etapele autorizării unei afaceri în România"* -** Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.47- pag.59 (12 pagini)
   - *1.4.* Capitolul 10- **Oana-Maria Asiminicesei –** *"Concepte e-Business. Stadiile și caracteristicile unei afaceri electronice"* Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.199- pag. 207 (8 pagini)
   - *1.5.* Capitolul 11- **Oana-Maria Asiminicesei –** *"Noțiuni generale e-Commerce. Modele/Infrastructură/tipuri de site-uri/Modalități de plată on-line"* - Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.208- pag. 220 (12 pagini)
   - *1.6.* Capitolul 11- **Oana-Maria Asiminicesei –** *"Securitatea în sistemele de tip E-Business. Politici, servicii și mecanisme de securitate"* **-** Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.221- pag. 238 (17 pagini)
   - *1.7.* Capitolul 14- **Oana-Maria Asiminicesei,** Sebastian-Teodor Arădoaie- "***Ghid pentru elaborarea lucrării de diplomă cu privire la evaluarea potențialului de valorizare a***

produsului/tehnologiei sau serviciului proiectat/analizat într-o afacere" - Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.258- pag. 308 (50 pagini)

2. Oana Neacșu (Asiminicesei), *"Informatică Aplicată I. Curs didactic"*, 516 pagini – ISBN-978-606-13-5188-6, Editura PIM, Iași, 2019
3. Oana Neacșu (Asiminicesei), *"Informatică Aplicată I. Aplicații de laborator"*, 229 pagini – ISBN-978-606-13-5189-3, Editura PIM, Iași, 2019
4. Oana Neacsu, Alexandru Sălceanu, Marius Păuleț, *"Software de birotică. Teorie și aplicații"*, Ed.PIM, 2018, ISBN 978-606-4816-9, 210 pagini.
5. Oana Neacșu (Asiminicesei),*"Fenomenul de descărcări electrostatice. Considerații teoretice"*, Editura PIM, Iași, 2019, ISBN-978-606-13-5325-5, 118 pagini
6. Andrei Marinescu-Editor, Electromagnetic Compatibility/ Electromagnetic Field. Research and Development in Romania, Ed. A.G.I.R., 2014, Electrical-Power Engineering Series, ISBN-978-973-720-521-6.- Chapter- A. Salceanu, E. Lunca, O. Beniuga, O. Neacsu, S. Ursache- *"Works and Walks in ESD, developed at the Faculty of Electrical Engineering"*- pp.112-118.
7. A. Sălceanu, E. Lună, Oana. Neacșu, M. Paulet, S. Ursache - *"Compatibilitate Electromagnetică. Aplicații"*,Editura PIM, 2015, ISBN-978-606-13-2812-3, (200 pagini)

C. Lucrări indexate ISI/BDI publicate în ultimii 10 anii

1. MA Olariu, C Hamciuc, OM Neacsu, E Hamciuc, L Dimitrov- " Microwave dielectric properties of polyimide composites based on tio 2 nanotubes and carbon nanotubes." Digest Journal of Nanomaterials and Biostructures, Vol. 14, No. 1, January - March 2019, p. 37 – 44, factor de impact-0,638
2. O.M. Neacșu, O.Beniuga, A. Sălceanu – „Assessment on electric chargespollution in the residential area and laboratory environment", Environmental Engineering and Management Journal, Martie 2012, Vol. 11, No. 3, pg. 635-640 – factor de impact: 1.43
3. Marius Valerian Paulet, Alexandru Salceanu**, Oana Maria Asiminicesei**, Constantin Dan Neagu- "Electric Field in the Vicinity of High Voltage Deviation Towers", Proceedings of the 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iași, 2020, pp, 452-456, DOI: 10.1109/EPE50722.2020.9305612, ISSN: 2471-6855, ISBN:978-1-7281-8127-1
4. Alexandru Salceanu, Marius Paulet, Bogdan Dumitru Alistar**, Oana Asiminicesei- "***Upon the Contribution of Image Currents on the Magnetic Fields Generated by Overhead Power Lines",* 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chișinău, pag 1-6, IEEE Explore
5. A.C. Podaru, V. David., **O.M. Neacșu**. *„Comparison between electrocardiographic and photoplethysmographic peaks intervals"* 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements Volume 2017-September, 2017, Pages 234-238, Code 134087, Indexata Scopus

6. M.V.Paulet, A. Sălceanu, **O.M. Neacșu** - *„Ultrasonic radar”*, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 551-554, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge
7. S Ursache, A Salceanu, **O.M. Neacșu** –“Indoor and outdoor measurements of the low frequency magnetic fields in an urban area” Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 376-379, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge.
8. A. Salceanu, E. Lunca, **O.M. Neacșu**, Fanel Iacobescu- „*Assessing the close field non-ionizing emissions of PC-monitors”* Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 592-597, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge
9. S. Ursache, A. Sălceanu, **O.M. Neacșu**, -*„Indoor and Outdoor measurements of the low frequency magnetic Fields in an Urban Area”*, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, Pag. 376-379, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge
10. S. Ursache, A. Sălceanu and **O.M. Neacșu,** *„Measuring the electric and magnetic fields associated with the electrostatic discharges”*, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 4, 2015, Index Copernicus, get CITED, Ulrich's
11. M.V. Păuleţ, **O.M. Neacșu**, A. Sălceanu*,” Secured access system based on the recognition of ecg characteristics”*, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LXI (LXV), Fasc. 3, 2015, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, Indexata în Index Copernicus, getCITED, Ulrich's

D. Lucrări publicate în ultimii 10 anii în reviste şi volume de conferinţe cu referenţi (neindexate)

1. Andrei Salceanu, Eduard Lunca, **Oana Maria Asiminicesei,” Specific** *Absorption Rate: Comparative Analysis from the Perspective of terms, methodologies, and regulations”,* 15th International Conference on Electromecanical and Power Systems – SIELMEN 2025, Chisinau, Rep. Moldova, Oct. 15-17, 2025,
2. **Oana Maria Asiminicesei**, Ramona Simionescu, Alexandra Abăceoae- *"Studies about changing the labor market after covid-19 pandemic context"*, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.10, Issue 1, page no.a360-a364, January-2023, Available:http://www.jetir.org/papers/JETIR2301046.pdf,
3. S. Ursache, A. Sălceanu and **O.M. Neacșu,** *„Measuring the electric and magnetic fields associated with the electrostatic discharges”*, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 4, 2015, Index Copernicus, get CITED, Ulrich's
4. M.V. Păuleţ, **O.M. Neacșu**, A. Sălceanu*,” Secured access system based on the recognition of ecg characteristics”*, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LXI (LXV), Fasc. 3, 2015, Secţia

ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, Indexata în Index Copernicus, getCITED, Ulrich's

K. Contracte de cercetare

1. **Membru în echipa de cercetare- Proiect international** ERANET-EURONANOMED nr. 193/2020: Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor, 2020-2023, Valoare totală contract 432250 lei, director proiect. Romeo Ciobanu
2. **Membru în echipa de cercetare** Chemirezistor serigrafiat pe bază de MXenes electromanipulate cu ajutorul dielectroforezei pentru detecția compușilor organici volatili (COV) , 2022-2024, Valoare totală contract 450000lei, director proiect. Marius Olariu
3. **Membru în echipa de cercetare- Proiect international-** PNIII - ERANET, COFUND-MANUNET **nr. 18/2018*, "Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabila sub actiunea campului electromagnetic, pentru aplicații electronice și biomedicale- AniConFilm*"**, Valoarea totală a contractului: 492100 lei. Valoarea contractului pe 2018- 220674 lei, Valoare pe 2019- 271426 lei, Membri ai echipei: 19. Durata proiectului: 01.04.2018 - 31.03.2020, 2 ani, Director Proiect Conf. Marius Andrei Olariu, (medie grant TUIASI: 2018- 73260 lei)
4. **Membru în echipa de cercetare- Proiect international** PNIII - ERANET, COFUND-MANUNET, **nr. 22/2018*, "Sistem de sortare a deșeurilor de constructii si demolari (DCD) bazat pe robotică avansată (STEWART)",*** Valoarea totală a contractului: 485137 lei, 2018-180674 lei, 2019-304463 lei. Membri ai echipei: 16, Durata proiectului: 01.04.2018 - 31.03.2020, Director de Proiect- Prof. Romeo Ciobanu, (medie grant TUIASI: 2018- 73260 lei)
5. **Membru în echipa de cercetare- Proiect international -** PNIII - ERANET, COFUND-MANUNET, **nr. 17/2018*, "Îmbunătățirea tehnologiilor de printare pentru fabricarea economica a sistemelor de analiză tip Point of Care"* (PRIN TPoC),** Valoarea totală a contractului: 382700 lei, Valoare 2018- 178012 lei, Valoare 2019- 204688 lei, Membri ai echipei: 17. Durata proiectului: 01.04.2018 - 31.03.2020, 2 ani, Director de Proiect- Prof. Cristina Schreiner, (medie grant TUIASI: 2018- 73260 lei), **Membru în echipa de cercetare (5%)**
6. **Membru în echipa de cercetare** – **Proiect international** Era Net Cofund, Titlul*:" **Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE)**",* Contract 83/2016, Valoare proiect: 710.968,5 lei, Durata: 01.06.2016 - 01.06.2018, 2 ani
7. **Membru în echipa de cercetare** – **Proiect international** Era Net, Titlul: ***"Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez)"***, Valoare proiect: 447.750 lei. Contract 50/2016, Durata: 01.06.2016 - 01.06.2019, 3 ani

8. **Membru în echipa de cercetare** – **Proiect international** Era Net, Titlul:" ***Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC (INTCERSEN)"***, Contract 9/2015, Valoare proiect: 468.000 lei., Durata: 02.11.2015 - 29.12.2017, 2 ani
9. **Membru în echipa de cercetare** – ***„Retea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe baza de olc-uri (onion-like carbon) manipulate cu ajutorul dielectroforezei-H2Sense"*** Valoare TUIASI 685792,00 - 2 ani, 2018-2020.

Data: 10.01.2025 **Semnătura:**

Conf. univ. dr. ing. Asiminicesei Oana



Anexa A.3.7 - ***Lista de lucrări cadre didactice***

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE MANAGEMENT
Programul de studii de licență: INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Ș.l. dr. ing. Baciu Alina-Georgiana

A. Teza de doctorat.

Stan (Baciu) Alina Georgiana, *Cercetări privind managementul surselor de energie de pe vehicule electrice hibride* (2012), Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată, domeniul: Inginerie Electrică, coordonator științific Prof. Dr. Ing. Gheorghe Livinț, perioada studiilor doctorale: octombrie 2009 – octombrie 2012, susținută public la data de 27.10.2012.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

- Gheorghe Livinț, **Baciu Alina-Georgiana**, *Sisteme de control robust,* Ed. Matrix Rom București, ISBN 978-606-25-0542-4, 2020

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

- **Baciu A.G.**, Livinț G., Irimia D.C., Poboroniuc M.S., *Battery/Supercapacitor Hybridization – Solution to improve efficiency of a vehicular system*, Conferința Națională a Acționărilor Electrice, Iași, 7-8 Iunie 2018.
- Irimia D.C., **Baciu A.G.**, Sticea D.A., Poboroniuc M.S., *New Fes-robotic glove hyybrid system for hand motor functions rehabilitation,* Conferința Națională a Acționărilor Electrice, Iași, 7-8 Iunie 2018.

- **Stan A.G.,** Adam G., Livinţ G., Munteanu C., *"Simulation and analysis of a fuel cell/battery hybrid vehicular power system"* – 4th International Symposium on Electrical Engineering and Energy Converters, pg. 171-176, 22nd-23rd September 2011, Suceava, Romania
- Adam G., **Stan A.G.**, Livinţ G., *A Matlab graphical user interface for studying brushless dc motor control* – 4th International Symposium on Electrical Engineering and Energy Converters, pg. 251-254, 22nd-23rd September 2011, Suceava, Romania
- **Stan A.G.**, Munteanu C., Livinț G., Adam G. *Technological challenges for successful development of a hybrid electric vehicle,* The 7th International Conference Management of Technological Changes, MTC 2011, pg. 609-612, 1-3rd September 2011, Alexandroupolis, Greece
- Adam G., **Stan A.G.**, Livinț G. *Impact of poor power quality in household equipment and how to diminish it,* The 7th International Conference Management of Technological Changes, MTC 2011, pg. 433-436, 1-3rd September 2011, Alexandroupolis, Greece
- **Stan A.G.,** Livinţ G., *Utilizarea transformatei Wavelet în analiza și filtrarea semnalelor* – Al II-lea Simpozion Stiinţific Studentesc Naţional ELStudis, 26-27 Octombrie 2010, Iasi, Romania.
- **Stan A.G.,** Livinţ G., *"A Wavelet based energy management strategy for a fuel cell power system"* – 6th International Conference on Electrical and Power Engineering, EPE2010, Iasi, Romania.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

- **Aida Baltag, Gheorghe Livint, Alina Baciu, Samir Bellarbi** *Design of Hinfinity robust controllers for wind turbines based on DFIG***, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical And Power Engineering, 2022, Iasi, Romania**
- Alexandru Mitocaru, Marian-Silviu Poboroniuc, Danut Irimia, Silvia Placinta, Alina Baciu *Brain-Computer Interface movement control for humanoid robot,* **EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical And Power Engineering, 2022, Iasi, Romania**
- **Aida Baltag, Gheorghe Livint, Alina Baciu *Robust control structure for wind turbine based on DFIG,*** Conferinta Nationala a Actionarilor Electrica, Editia XX Timisoara, 12-13 mai 2022
- **Aida Baltag, Gheorghe Livint, Lucian Belehuz, Alina Georgiana Baciu, "**Application of feedback linearization method to wind turbines with PMSG for extracting maximum power from wind energy*", 2023 10th International Conference on Modern Power Systems (MPS)*, 21-23 June 2023, Cluj-Napoca Romania
- Marian-Silviu Poboroniuc , Andrei Iulian Roman, Radu Ionascu, Teodora Piseru, Andrei Piseru, Danut Irimia, Alina Baciu, Alexandru Mitocaru, "*Hybrid FES&Mechatronic devices to assess and support rehabilitation in stroke people*", The XXVII international Conference "INVENTICS 2023 – Science of creativity", Iasi, Romania
- Florin Andrei Rusu, Gheorghe Livint, **Alina Baciu**, *Analysis of hybrid energy storage systems based on photovoltaic panel, supercapacitors and battery for electric vehicles*,

Environmental Engineering and Management Journal, Vo.19, No.1, 121-129, January 2020.

- Danut Constantin Irimia ; Alexandra Mitocaru ; **Alina Georgiana Baciu** ; Marian Silviu Poboroniuc *Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility*, 2019 E-Health and Bioengineering Conference (EHB),2019, Iasi Romania.

- Rusu F.A.**, Baciu A.G.,** Livinț G., *Applicability of Fuel Cell in Electric Vehicles* , Proc. of 18-th International Conference on Electrical and Power Engineering EPE2018, Iași, România, 18-19 Oct. 2018, indexata IEEE.

- M.S. Poboroniuc, D.C. Irimia, **A. Baciu**, T. Bondar, I.A. Nitica, A.E. Piseru, *A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia*, Proc. of 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/ICEPE.2018.8559951, indexata IEEE.

- Baciu A.G., Livinț G., *Wavelet Transform and Neural Network Based Control Strategy for Hybrid Energy System*, Proc. of 11-th International Conference on Electromechanical and Power Systems SIELMEN2017, Chișinău, Rep. Moldova, 12-13 Oct. 2017.

- Danut Irimia, Marian Poboroniuc, Florin Serea, **Alina Baciu**, Radu Olaru, *Controlling a FES-EXOSKELETON Rehabilitation System by Means of Brain-Computer Interface*, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEExplore and Reuters WOS, pp.352-355, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781361.

- Stan (Baciu) A.G, Livinț G, *Control strategies for hybrid electric vehicles with two energy sources on board* - 2014 International Conference and Exposition on Electrical and Power Engineering, 8th edition, 16-18 October 2014, Iași, România.

- Stan (Baciu) A.G, Livinț G, *Multistep – Ahead Prediction of Power Demand using a sliding Window Technique and Neural Networks* - 2012 International Conference and Exposition on Electrical and Power Engineering, 7th edition, 25-27 October 2012, Iasi, Romania.

- Adam G., **Stan (Baciu) A.G.,** Livinţ G., *An adaptive hysteresis band current control for three phase shunt active power filter using Fuzzy logic* – 2012 International Conference and Exposition on Electrical and Power Engineering, 7th edition, 25th-27th October 2012, Iasi, Romania.

- Stan (Baciu) A.G., Adam G., Livinț G. *Using Wavelet transform and neural network algorithm for power demand prediction* - 26th European Conference on Modelling and simulation, ECMS 2012, 29th May-1st June 2012, Koblenz, Germany.

- Adam G.,**Stan (Baciu) A.G.,** Livinț G. *Improved BLDC control algorithm for reducing source current harmonics. Simulation study* - 26th European Conference on Modelling and simulation, ECMS 2012, 29th May-1st June 2012, Koblenz, Germany.

- Adam G.,**Stan A.G.,** Livinţ G. *A Matlab-Simulink approach to shunt active power filters* - 25th European Conference on Modelling and simulation, ECMS 2011, pg. 205-210, 7-10th June 2011, Krakow, Poland.

J. Invenţii.

K. Contracte de cercetare.

- Membru in cadrul proiectului ROSE 185/SGU/NC/II, cu titlul *Creşterea gradului de retenţie în primul an de studii universitare în inginerie electrică şi energetică prin reducerea abandonului şi creşterea promovabilităţii*, acronim *ProElectro* cu perioada de desfăşurare 11.09.2019 - 10.09.2022, valoarea totala a finantarii 699789 lei.

- PNIII project, nr. 25PTE /2020, cu titlul *Mănuşi mecatronice textile inteligente pentru recuperarea mâinii la persoanele cu accident vascular cerebral (MANUTEX)*, 2020-2022, Responsabil proiect Poboroniuc Marian-Silviu.

- PNIII project, nr. TE114 /2020, cu titlul *Sistem hibrid BCI-Exoschelet pentru recuperarea membrelor superioare (HBES),* Director proiect Irimia Dănuț-Constantin.

- IG project P20_IDEI/2021: ***Control methods for humanoid robots using Brain Computer Interface***, coordonator de proiect: Baciu Alina-Georgiana, Project Ideas Grant Competition organized by TUIASI within HORIZON Europe Program, 2021

- Membru in echipa de implementare a proiectului **PEO - *Primul STEM student din familie***, ID 326591, proiect cofinanțat prin Programul Educație și Ocupare (PEO) 2021-2027.

L. Premii, distincţii.

M. Alte realizări semnificative.

Data,
25.02.2026

Nume, semnătura

Baciu Alina Georgiana

* Conform H.G. 1175/ 2006



Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Baciu Ioana :

A. Teza de doctorat.

Baciu, Ioana, Nature and Culture in the American Gothic, 2020, Universitatea „Alexandru Ioan Cuza" din Iași, domeniul filologie, coordonator prof. univ. dr. Codrin Liviu Cuțitaru

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

Baciu, loana, Nature and Culture in the American Gothic, Editura Prouniversitaria, București, 2023, 222 p.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

MUIRIS Ó LAOIRE, IOANA BACIU, HELEN BRAUND, KRISTIN BROGAN, EVAGRINA DÎRȚU, MARIAN HURLEY and SHEILA WALSH, "Internationalisation and Interculturalism in Three European Contexts: A Brief Review of Literature", *The Bulletin of the Polytechnic Institute of Iași*, Socio-Humanistic Sciences Section, a journal published by "Gheorghe Asachi" Technical University of Iași, no 1-2, vol. 71 (75) / 2025, pp. 9-22

Baciu, Ioana, Recenzie a volumului „Crime Fiction as World Literature", Louise Nilsson, David Damrosch, and Theo D'haen, Bloomsbury Academic, 2017, în VTU Review: Studies in the Humanities and Social Sciences, vol.6, no.1, 2022, pp.75-76, doi: 10.54664/ZAEI2131

Baciu, loana, „Gheorghe Asachi" Technical University of lasi, Recenzie: MaggieO'FarreII, Hamnet, Tinder Press, 2020, Les Cahiers Linguatek, ISSN 2559-7752, ISSN-L 2559-7752, Mémoire et Oubli, nr. 9-10/2021, pp. 197-200, indexare Fabula.org. CEEOL; http:/limbistraine.tuiasi.ro/images/8.%20CentruI%20de%20Iimbi%20modeme/LesCahiersLinguatek9- 10.pdf

Baciu, loana, Medical Gothic Masculinities in Bram Stoker's Dracula", Linguaculture, 12:1, 2021, pp. 77-86, DOI: 10.4773/Iincu-2021-1-0188

Baciu, loana, „Gheorghe Asachi Technical University of lasi, Buletinul Institutului Politehnic lasi, Secția Socio-Umane, Volumul 67 (71), nr. 1-2/2021, Writing is Masculine, Gossip is Feminine: American Myths in Shirley Jackson's "The Possibility of Evil", pp. 39-52

Baciu, Ioana, Rewinding a Clockwork Self-Disintegration and Unity in The British Literature of the 60s: The Golden Notebook and A Clockwork Orange, Romanian Journal of Literary Studies, nr. 5/2014, ISSN 2248-3004, pp. 619-626

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

Baciu, loana, Reinterpreting the Frankenstein Myth in Yorgos Lanthimos' *Poor Things* (2023), Les Cahiers Linguatek 15-16 / 2024, pp 251-260, volumul conferinței Mad Science: Innovation, Genius, Madness, 10-11 mai 2024, Universitatea Tehnică „Gheorghe Asachi din Iași, Iași, http://limbistraine.tuiasi.ro/images/8.%20Centrul%20de%20limbi%20moderne/001_Les%20Cahiers%20Linguatek_vol.VIII_nos.15-16.pdf

Baciu, loana, How WeII Does Political Corectness SeII? Portraying Racism for the Masses in The Help (2011) and Django Unchained (2012), publicat în volumul conferinței Communication, Context, Interdisciplinarity, 3rd Edition, Tîrgu Mureș, 23-24 octombrie 2014, Institutul de Studii Multiculturale Alpha în parteneriat cu Universitatea "Petru Maior" din Tîrgu Mureș și Institutul de studii socio-umane "Gheorghe Șincai" al Academiei Române, ISSN 2069— 3389, pp. 211-218

Baciu loana, Ted Hughes and R. S. Thomas —Advocates of Ecotheology?, Literature, Discourse and Multicultural Dialogue 2nd Edition, Tirgu Mures. 4-5 decembrie 2014, Institutul de Studii Multiculturale Alpha în parteneriat cu Universitatea "Petru Maior" din Tîrgu Mures și Institutul de studii socio-umane "Gheorghe Șincai"al Academiei Române, pp. 991-998

J. Invenții.

K. Contracte de cercetare.

L. Premii, distincții.

M. Alte realizări semnificative.

Data, Nume, semnătura

Lect. dr. Baciu Ioana

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

A. Teza de doctorat

A.1. Cercetari privind integrarea surselor eoliene in sistemul energetic national – sustinută public în data de 27.09.2013, în cadrul Universitatii Tehnice "Gheorghe Asachi" din Iaşi, Facultatea de Inginerie Electrică, Energetică şi Informatică Aplicată, conducător ştiintific prof. dr. ing. Marcel Istrate.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Nu e cazul

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

C.1. **Răzvan Beniugă**, Producerea energiei electrice și termice – Suport de curs, ISBN 978-606-13-9252-0, Editura PIM, 2025

C.2. **Răzvan Beniugă**, Eficiența energetică a clădirilor – îndrumar de proiect, ISBN: 978-606-13-9181-3, Editura PIM, 2025

C.3. **Răzvan Beniugă**, Clădiri eficiente energetic. Soluții și strategii pentru îndeplinirea standardului NZEB, ISBN 978-606-13-8955-1, Editura PIM, 2025

C.4. **Răzvan Beniugă**, Producerea energiei electrice și termice – îndrumar de laborator, ISBN: 978-606-13-8016-9, Editura PIM, 2023

C.5. **Răzvan Beniugă**, Marcel Istrate, Provocări privind integrarea centralelor eoliene în sistemul energetic, ISBN 978-973-621-520-9, Editura Politehnium, Iași, 2023

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

Nu e cazul

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

E.1. Marcel Istrate, **Răzvan Beniugă**, Sustainable Energy - Part B – Clean coal technology, suport de curs în limba engleză, disponibil la adresa http://iota.ee.tuiasi.ro/~tti/materiale/sustainable/Sustainable%20Energy-Part%20B.pdf

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

F.1. **Beniuga, Constantin Razvan**, Bogdan Andrei Pingescu, Oana Cristina Beniuga, Alin Dragomir, Dragos-George Astanei, and Radu Burlica, *Photovoltaic Panel System with Optical*

Dispersion of Solar Light for Greenhouse Agricultural Applications, AgriEngineering 7, no. 4: 125. https://doi.org/10.3390/agriengineering7040125, WOS:001474731900001, 2025

F.2. Machidon, Dragos, Marcel Istrate, and **Razvan Beniuga**, *Wind Shear Coefficient Estimation Based on LIDAR Measurements to Improve Power Law Extrapolation Performance*, Remote Sensing 17, no. 1: 23. https://doi.org/10.3390/rs17010023, WOS:001393632700001, 2025

F.3. Baiceanu, Florin-Constantin, Ovidiu Ivanov, **Razvan-Constantin Beniuga**, Bogdan-Constantin Neagu, and Ciprian-Mircea Nemes, *A Continuous Multistage Load Shedding Algorithm for Industrial Processes Based on Metaheuristic Optimization*, Mathematics 11, no. 12: 2684. https://doi.org/10.3390/math11122684, WOS:001017561300001, 2023

F.4. **Răzvan Beniugă**, Oana Beniugă, *Grid fault outcome on assessing DFIG wind turbine voltage recovery output*, Buletinul Institutului Politehnic din Iasi, Vol. 62 (66) FASC. 4, 2016, Electrotechnics, Energetics, Electronics, ISSN 1223-8139, pp.79-84 (cod CNCSIS 87)

F.5. Oana Beniugă, Karol Kovac, **Răzvan Beniugă**, *Electromagnetic compatibility problems involved by ESD Magnetic Field Radiation*, 5th International Conference On Modern Power System, MPS 2013, 28-31 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.55-58

F.6. Banu Ioan Viorel, **Beniugă Răzvan**, Istrate Marcel, *Study on Temperature for Modeling of Photovoltaic Solar Array using Experimental Test Data, 5th International Conference On Modern Power System*, MPS 2013, 28-31 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.51-54

F.7. Dragomir Marian, Machidon Dragos, **Beniuga Razvan**, *One-end Data Fault Location Algorithm for Transmission Grids*, 5th International Conference On Modern Power System, MPS 2013, 28-31 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.175-178

F.8. **Beniugă Răzvan**, Banu Ioan Viorel, Istrate Marcel, *Behavior of Doubly-Fed Induction Generator Wind Turbines with crowbar System during Grid Faults*, 5th International Conference On Modern Power System, MPS 2013, 28-31 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.59-63

F.9. **Constantin-Razvan Beniuga**, Marcel Istrate, *DFIG Wind Turbine dynamic under the stress of power system faults*, Buletinul AGIR nr. 3/2012 iunie- august , ISSN-L 1224-7928, pp.429 – 434

F.10. Marian Dragomir, Marcel Istrate, **Razvan Beniuga**, Dragos Machidon, *Assessment of two-end data fault location algorithms for transmission grids*, Buletinul AGIR nr. 3/2012 iunie- august, ISSN-L 1224-7928, pp.435-438

F.11. Alexandru Miron, Marian Dragomir, **Razvan Beniuga**, Crenguta E. Bobric, Cezar Popa, *The use of wap applications to prevent large blackouts in the north-east romanian power grid*, Buletinul AGIR nr. 3/2012 iunie- august , ISSN-L 1224-7928, pp.497-502

F.12. Iftime Cornel Marian, Guşă Mircea Dan, **Beniugă Constantin Răzvan** - *Reactive power compensation for grid-connected wind farms that use induction generators and pitch control systems*, Acta Electrotehnica, Volumul 52, Numărul 5, 2011, ISSN 1841-3323

G. Lucrări ştiinţifice publicate în reviste din străinătate.

Nu e cazul

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

Nu e cazul

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I.1. B. A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, **C. R. Beniugă** and R. Burlică, *High conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 616-619, doi: 10.1109/EPEi63510.2024.10758144

I.2. D. Machidon, M. Istrate and **R. Beniuga**, *Wind Speed Estimation based on Power Law Extrapolation Technique*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 227-231, doi: 10.1109/EPEi63510.2024.10758142

I.3. **R. Beniugă**, D. Machidon, P. S. Popa, O. Beniugă, F. Băiceanu and M. Istrate, *Cost-effectiveness and sustainability analysis of a NZEB house*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 187-192, doi: 10.1109/EPEi63510.2024.10758113

I.4. P. S. Popa, **R. Beniugă** and M. Istrate, *Comparing the concept of Nearly Zero-Energy Buildings between EU countries in terms of required renewable energy share*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 164-169, doi: 10.1109/EPEi63510.2024.10758182

I.5. O. C. Beniugă, **C. R. Beniugă**, D. G. Astanei and R. Burlică, *Thermostat Behavior Analysis in Smart Home Environment Using Petri Nets*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 390-393, doi: 10.1109/EPEi63510.2024.10758167

I.6. O. Beniugă, **R. Beniugă**, F. Băiceanu, *House heating system thermal dynamics assessment using Petri Net approach*, Proceedings of 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-05, doi: 10.1109/MPS58874.2023.10187544

I.7. Dragos Machidon, Marcel Istrate, **Razvan Beniuga**, *An Application of LIDAR Technology for Wind Speed Measurement*, 10th International Conference on Modern Power Systems (MPS) 2023, Conference paper, DOI: 10.1109/mps58874.2023.10187425

I.8. **R. Beniugă**, O. Beniugă, D. Machidon, F. Băiceanu, M. Istrate, *NZEB compliance principles in Romania for residential buildings*, Proceedings of 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-06, doi: 10.1109/MPS58874.2023.10187523

I.9. D. Machidon, M. Istrate, R. Oprea and **R. Beniuga**, *Performance analysis of double-axis orientating Low Concentration Photovoltaic Systems*, 2021 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2021, pp. 1-5, doi: 10.1109/MPS52805.2021.9492623, WOS:000941563300054

I.10. F. C. Baiceanu, O. Beniugă, **R. Beniugă**, F. T. Munteanu, *Transient of High Voltage Circuit Breakers Intelligent Switching during Grid Faults*, Proceedings of the 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, pp. 1-4, doi: 10.1109/MPS52805.2021.9492555, WOS:000941563300016, 2021

I.11. **R. Beniugă**, O. Beniugă, F. Băiceanu, M. Istrate, *The Influence of Feedwater Preheaters on the Power Plant Thermal Efficiency*, Proceedings of the 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, pp. 1-5, doi: 10.1109/MPS52805.2021.9492627, WOS:000941563300057, 2021

I.12. **R. Beniugă**, O. Beniugă, D. Machidon, M. Istrate, *Wind Power in Romania Energy Mix Towards Sustainable Development*, Proceedings of the 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, pp. 1-4, doi: 10.1109/MPS52805.2021.9492673, WOS:000941563300081, 2021

I.13. F. C. Baiceanu, O. Beniugă, **R. C. Beniuga**, E. I. Diac, *Quality Assessment of Power Transformers Differential Protection Behavior Using Harmonic Restraint Techniques*, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, pp. 680-684, doi: 10.1109/EPE50722.2020.9305610

I.14. D. Machidon, R. Oprea, M. Istrate and **R. Beniuga**, *Energy Output Increase by Using a Periodic Orientation System for Fixed Photovoltaic Panels*, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 388-391, doi: 10.1109/EPE50722.2020.9305626

I.15. **Răzvan Beniugă**, Marcel Istrate, Oana Beniugă, *Wind farms behaviour at power grid voltage dips*, Proceedings of the 8th International Conference on Modern Power Systems (MPS), Cluj Napoca, Romania, pp. 1-4. doi: 10.1109/MPS.2019.8759716, WOS:000612401900076, 2019.

I.16. R. Oprea, M. Istrate, D. Machidon and **R. Beniuga**, *Determination of Optimum Tilt Angle for Fixed Photovoltaic Modules in Iasi*, Romania, 2019 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Cluj, Romania, 2019, pp. 1-6, doi: 10.1109/MPS.2019.8759661, WOS:000612401900012

I.17. **Răzvan Beniugă**, Oana Beniugă, Dragos Machidon, *Assessment of DFIG wind turbine overvoltage protection system for grid stability*, Proceedings of the 8th International Conference on Modern Power Systems (MPS), Cluj Napoca, Romania, 2019, pp. 1-4. doi: 10.1109/MPS.2019.8759716, WOS:000612401900125, 2019

I.18. **Răzvan Beniugă**, Marcel Istrate, Oana Beniugă, Dragoș Machidon, *Educational Resource for Wind Turbine Behaviour Assessment*, Proceedings of the 2018 International Conference and Expositions on Electrical and Power Engineering, pp.395-398 IEEE Catalog Number: CFP1847S-USB ISBN: 978-1-5386-5061-5, WOS:000458752200075, 2018

I.19. O. Roxana, I. Marcel, M. Dragos and **B. Razvan**, *Experimental Evaluation of the Optimum Tilt Angle for Fixed Photovoltaic Modules*, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0594-0598, doi: 10.1109/ICEPE.2018.8559879, WOS:000458752200115

I.20. Oana Beniugă, **Razvan Beniuga**, Mihai Leca, Gabriel Constantin Sârbu, *Using Petri Net Tool to Study the Dynamic Behaviour of Power Systems Protections*, Proceedings of the 2018 International Conference and Expositions on Electrical and Power Engineering, pp. 416-419, IEEE Catalog Number: CFP1847S-USB ISBN: 978-1-5386-5061-5, WOS:000458752200079, 2018

I.21. **Răzvan Beniugă**, Marcel Istrate, Oana Beniugă, *Crowbar protection impact on wind farm behaviour during grid disturbance*, Proceedings of the 7th International Conference on Modern Power Systems (MPS), ISBN 978-1-5090-6565-3, WOS:000428462600021, 2017

I.22. Oana Beniugă, **Razvan Beniuga**, *3D Assessment of ESD field level for protection devices safet*y, Proceedings of the 10th International Symposium on Advanced Topics in Electrical Engineering March 23-25, ISBN: 978-1-5090-5160-1, pp. 354-357, WOS:000403399400069, 2017

I.23. Beniugă Oana, **Beniugă Răzvan**, *Assessing operational planning performance among wind power system based on N-1 criterion*, Proc. of the 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, 2017-September, pp. 435-438

I.24. Iuliana-Delicia Dîrlau, Oana Beniugă, Radu Burlică, **Răzvan Beniugă**, *Organic pollutants removal from aqueous solutions by surface gliding discharges*, 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC4), 28 - 31 August 2017, Chisinau – Republica Moldova, ISBN 978-3-940237-47-7

I.25. Oana Beniuga, **Razvan Beniuga**, *Wind Farms' Grid Connection And Protection Requirements For Sustainable Development*, Proceedings of International Conference "Energy Of Moldova – 2016. Regional aspects of development" 29 September – 01 October, 2016 - Chisinau, Republic of Moldova, ISBN 978-9975-4123-5-3 pg. 478 – 481

I.26. Oana Beniugă, Mihai Leca, **Razvan Beniuga**, *Assessment of Influence of Grid Disturbances on Wind Turbine DFIG Converters*, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-5090-6128-0, pp. 693-696, WOS:000390706300137, 2016

I.27. I. V. Banu, **R. Beniugă** and M. Istrate, *Comparative analysis of the perturb-and-observe and incremental conductance MPPT methods*, 2013 8th International Symposium on Advanced Topics In Electrical Engineering (ATEE), Bucharest, Romania, 2013, pp. 1-4, doi: 10.1109/ATEE.2013.6563483, WOS:000332928500137, 2013.

I.28. O. Beniugă, **R. Beniuga**, P. Bicleanu, A. Nicuta, S. Ursache, *Wind turbine crowbar reliability related on electric charge accumulation/discharge*, 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 900-903, doi: 10.1109/ICEPE.2012.6463818, WOS:000324685300166, 2012

I.29. **Răzvan Beniugă**, *Specific requirements for grid connetion of wind farms in context of sustainable development*, 16th International Student Conference on Electrical Engineering, ISBN 978-80-01-05043-9, Praga, 2012, Republica Ceha, pp.1-5

I.30. Cintula, Boris - Viglaš, Dominik - **Beniuga, Constantin-Razvan**: *Power System Security Operation in Applying The N-1 Criterion*, In: ELITECH´12 [elektronický zdroj] : 14th Conference of Doctoral Students. Bratislava, Slovak Republic, 22 May 2012. - Bratislava : Nakladateľstvo STU, 2012. - ISBN 978-80-227-3705-0. - CD-ROM, [6] s

I.31. Viglaš, Dominik - Cintula, Boris - **Beniuga, Constantin-Razvan**: *Development of Support of Renewable Energy Sources in Slovak Republic*, In: ELITECH´12 [elektronický zdroj] : 14th Conference of Doctoral Students. Bratislava, Slovak Republic, 22 May 2012. - Bratislava : Nakladateľstvo STU, 2012. - ISBN 978-80-227-3705-0. - CD-ROM, [4] s

I.32. **Răzvan Beniugă**, Marcel Istrate – *Voltage Recovery of DFIG Wind Turbines after a grid fault*, Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4673-1171-7, pp.904-908

I.33. O.Beniugă, O. Neacsu, A. Salceanu, **R. Beniugă**, *Evaluating the immunity of electronic devices under the action of electrostatic discharge in near field environment*, Proceedings of International Conference on Innovative Technologies 2011, pg.54-57, ISBN 987-80-904502-6-4

J. Invenţii.

J.1. Cerere de brevet – R. Burlică, D. Astanei, O. Beniugă, A. Dragomir, **R.Beniuga**, *Sistem de panouri fotovoltaice cu dispersie optică a luminii solare pentru aplicații în agricultură*, Cerere de brevet nr. nr. A00557/ 06.10.2023.

K. Contracte de cercetare.

K.1. Director proiect finanțat de UEFISCDI PN-IV-PCB-RO-MD-2024-0382, Contract nr. 6PCBROMD/2025, perioada 2025-2027 (24 luni), Buget: 600.000 RON

K.2. Director proiect finanțat de UEFISCDI PN-IV-P8-8.3-PM-RO-BE-2024-0011, Contract nr. 7BMBE/2024, perioada 2024-2025 (13 luni), Buget: 24.100 RON
K.3. Membru proiect REFORM2H2, finanțat de Universitatea Tehnică Gheorghe Asachi din Iași, Grant intern nr. GI/P11_IDEI 2021, perioada: 01.08.2021 - 15.12.2021 (5 luni)
K.4. Membru proiect cu agent economic Nr. contract: 3651/2025, Perioada de implementare: 2025-2026, Buget: 70.000 RON fără TVA
K.5. Membru proiect cu agent economic, Nr. contract: 2824/2024, Perioada de implementare: 2024-2025, Buget: 65.000 RON fără TVA
K.6. Membru proiect cu agent economic, Nr. contract: 2443/2023, Perioada de implementare: 2023-2024, Buget: 60.000 RON
K.7. Membru proiect cu agent economic, Nr. contract: 2592/2022, Perioada de implementare: 2022-2023, Buget: 51.000 RON
K.8. Membru proiect cu agent economic, Nr. contract: 377/8731P/2012, Perioada de implementare: 2012, Buget: 70.000 RON

L. Premii, distincţii.
Nu e cazul

M. Alte realizări semnificative.
Nu e cazul

Data, 16.02.2026

Nume, semnătura
Conf. univ. dr.ing. Răzvan Beniugă



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Dr. Ec. BREZULEANU MĂDĂLINA MARIA

A. Teza de doctorat.
Doctor în economie teză cu titlul: „RELAȚIA LIBERTATE ECONOMICĂ - BUNĂSTARE INDIVIDUALĂ: REPERE TEORETICE, DOVEZI EMPIRICE, IMPLICAȚII NORMATIVE" anul 2024, Universitatea „Al. I. Cuza" Iaşi, Facultatea de Economie și Administrarea Afacerilor Iași,

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

RELAȚIA LIBERTATE ECONOMICĂ-BUNĂSTARE INDIVIDUALĂ-Mădălina-Maria BREZULEANU, Editura Performantica, Iași 2024, ISBN 978-630-328-099-8, 236 pag.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1.DETERMINANTS OF SUBJECTIVE WELL-BEING AMONG EUROPEAN UNION`S OLDER ADULTS, autori: Alexandra Cristina Sîrbu, *Mădălina Brezuleanu*, Claudiu Tiganaș, Mircea Asandului, Andreea Iacobuță, revista TRANSFORMATIONS IN BUSINESS & ECONOMICS, vol.21, nr. 2A (21A), 2022, Factor de impact = 1,824, Scor de influență = 0,161, WOS: 000927592100015, pag. 671-689, ISSN: 1648-4460

2 ADAPTATION OF ENTREPRENEURIAL EDUCATION AND TRAINING IN ECONOMICS FOR THE STUDENTS OF „ ION IONESCU DE LA BRAD" UNERSITY OF LIFE SCIENCE (IULS) IAȘI, ROMANIA, IN THE CONTEXT OF CHARGING LABOR MARKET NEEDS, Carmen-Olguța Brezuleanu, Roxana Mihalache, *Mădălina-Maria Brezuleanu*, Elena Ungureanu, Alina Sirghea, SCIENTIFIC PAPER-SERIES MANAGEMENT ECONOMIC ENGINERING IN AGRICULTURE AND RURAL DEVELOPMENT,VOL.24, Issue 1, 2024, pag. 135-146, Factor de impact = 1,4, ISSN 2284-7995, E-ISSN 2285-3952.

3.EFFECTS OF ECONOMIC FREEDOM ON SUBJECTIVE-WELL-BEING" Alexandra Cristina Sîrbu, Andreea Iacobuță, Mircea Asandului, *Mădălina-Maria Brezuleanu*, 2023, SCIENTIFIC ANNALS OF ECONOMICS AND BUSINESS, VOL 70, Special Issue SI, page 85-97, WOS:000992422300006, ISSN: 2501-1960.http://saeb.feaa.uaic.ro/index.php/saeb/issue/vieew/78

4. Artificial Intelligence Meets Semiotics: Optimising Advertising Strategies across Cultures, Mihalache Roxana[1] ; Brezuleanu Madalina-Maria [2], 2025, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON BUSINESS EXCELLENCE, vol 19, pag 4652-4670, WOS:001536636300030, ISSN: 2502-0226

5. Studies on the sustainable impact of artificial intelligence in technical and agricultural university education: benefits challenge and future directions, Brezuleanu Madalina-Maria [1] ; Ungureanu Elena [2] ; Zaharia Raluca Sinziana, Brezuleanu Carmen- Olguta [2], 2025, SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, ISSN: 2284-7995, WOS:001481821300010

7. BIBLIOMETRIC ANALYSIS OF QUALITY IN EDUCATION: GLOBAL TRENDS AND RESEARCH GAPS, Marcuta Alina Gabriela [1] ; Tudor Valentina Constanta [1] ; Smedescu Dragon Ion [1] ; Grecu Mihaela ; Brezuleanu, Madalina Maria [2], 2025, SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, ISSN: 2284-7995, WOS:001578115200046.

8.QUALITATIVE ANALYSIS OF INNOVATIVE ENTREPRENEURSHIP IN VARIOUS FORMS OF CAPITALISM, Mădălina-Maria BREZULEANU, publicat în Proccedings The 19th Romanian Textiles and Leather Conference, Iași, pg. 353-360, DOI: https://doi.org/10.2478/9788367405829-051

9.ROMANIA UNDER THE EFFECTS OF THE TRANSITION OF THE POLITICAL REGIME, Madalina Maria BREZULEANU, Carmen Olguta BREZULEANU, Annals of "Dunarea de Jos" University of GalatiFascicle I. Economics and Applied InformaticsAnalele Universitatii "Dunărea de Jos" din Galați, Fascicola I. Economie și Informatică Aplicată, pag. 150-153, Print ISSN 1584-0409 http://www.eia.feaa.ugal.ro/images/eia/2021_2/BrezuleanuBrezuleanu.pdf

10.LIBERTATEA ECONOMICĂ – VECTOR AL CREȘTERII, autor: Mădălina Brezuleanu, în volumul Conferinței Internaționale Economics, International Business and Cross-Cultural Communication (EIBC), nr. 2/2022, Ed. UAIC, Iași, pp. 67-74.

11.STUDIES ON THE RESILIENCE OF CITIZENS IN THE CONTEXT OF WELL-BEING, Mădălina-Maria Brezuleanu, Carmen –Olguța Brezuleanu, International Conference “Risk in Contemporary Economy” ISSN-L 2067-0532 ISSN online 2344-5386 XXIIIth Edition, 2023, Galați, România, “Dunărea de Jos” University of Galați, România – Faculty of Economics and Business Administration, pp 87-92, DOI https://doi.org/10.35219/rce20670532151

12.ASPECTS OF THE CONTRIBUTION OF THE LEADER APPROACH TO RURAL DEVELOPMENT IN ROMANIA – CASE STUDY: NORTH-EAST DEVELOPMENT REGION-Carmen-Olguța Brezuleanu, Mădălina-Maria Brezuleanu, Roxana Mihalache, Irina Susanu, Diana Elena Creangă, Elena Ungureanu, Journal of Applied Life Sciences and Environment, https://jurnalalse.com, https://doi.org/10.46909/alse-571123, Vol. 57, Issue 1 (197) / 2024: 37-72

13.A QUALITATIVE PERSPECTIVE OF RELATIONSHIP BETWEEN ECONOMIC FREEDOM AND INDIVIDUAL WELL-BEING, Mădălina-Maria Brezuleanu, Conferința științifică Internațională „PROMOVAREA VALORILOR SOCIAL-ECONOMICE ÎN CONTEXTUL INTEGRĂRII EUROPENE”, Ediția a 6-a, 2023, pag. 138-142, ISBN: 978-9975-3611-0-1.

14.QUALITATIVE ANALYSIS OF INNOVATIVE ENTREPRENEURSHIP IN VARIOUS FORMS OF CAPITALISM, Mădălina-Maria BREZULEANU, publicat în Proccedings The 19th Romanian Textiles and Leather Conference, Iași, pg. 353-360, DOI: https://doi.org/10.2478/9788367405829-051

15.ROMANIA UNDER THE EFFECTS OF THE TRANSITION OF THE POLITICAL REGIME, Madalina Maria BREZULEANU, Carmen Olguta BREZULEANU, Annals of "Dunarea de Jos" University of GalatiFascicle I. Economics and Applied InformaticsAnalele Universitatii "Dunărea de Jos" din Galați, Fascicola I. Economie și Informatică Aplicată, pag. 150-153, Print ISSN 1584-0409 http://www.eia.feaa.ugal.ro/images/eia/2021_2/BrezuleanuBrezuleanu.pdf

16.LIBERTATEA ECONOMICĂ – VECTOR AL CREȘTERII, autor: Mădălina Brezuleanu, în volumul Conferinței Internaționale Economics, International Business and Cross-Cultural Communication (EIBC), nr. 2/2022, Ed. UAIC, Iași, pp. 67-74.

17.STUDIES ON THE RESILIENCE OF CITIZENS IN THE CONTEXT OF WELL-BEING, Mădălina-Maria Brezuleanu, Carmen –Olguța Brezuleanu, International Conference “Risk in Contemporary Economy” ISSN-L 2067-0532 ISSN online 2344-5386 XXIIIth Edition, 2023, Galați, România, “Dunărea de Jos” University of Galați, România – Faculty of Economics and Business Administration, pp 87-92, DOI https://doi.org/10.35219/rce20670532151

18.ASPECTS OF THE CONTRIBUTION OF THE LEADER APPROACH TO RURAL DEVELOPMENT IN ROMANIA – CASE STUDY: NORTH-EAST DEVELOPMENT REGION-Carmen-Olguța Brezuleanu, Mădălina-Maria Brezuleanu, Roxana Mihalache, Irina Susanu, Diana Elena Creangă, Elena Ungureanu, Journal of Applied Life Sciences and Environment, https://jurnalalse.com, https://doi.org/10.46909/alse-571123, Vol. 57, Issue 1 (197) / 2024: 37-72

19.A QUALITATIVE PERSPECTIVE OF RELATIONSHIP BETWEEN ECONOMIC FREEDOM AND INDIVIDUAL WELL-BEING, Mădălina-Maria Brezuleanu, Conferința științifică Internațională „PROMOVAREA VALORILOR SOCIAL-ECONOMICE ÎN CONTEXTUL INTEGRĂRII EUROPENE", Ediția a 6-a, 2023, pag. 138-142, ISBN: 978-9975-3611-0-1.

20. Technological Entrepreneurship in Renewable Energy: Challenges and Opportunities in Eastern Europe, Mădălina Maria Brezuleanu, Marius Pislaru, Andrei Mămăligă, 2025, SIELMEN, ISSN: 979-8-3315-8512-9, pag. 330-334, doi: 10.1109/SIELMEN67352.2025.11260665

21. Corporate Sustainability Assessment Models: A Theoretical Approach, Mădălina Maria Brezuleanu, Marius Pislaru, Andrei Mămăligă, 2025, SIELMEN, ISSN: 979-8-3315-8512-9, pag. 847-850, doi: 10.1109/SIELMEN67352.2025.11260785.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1.MANAGEMENTUL RISCURILOR ÎN MICILE AFACERI, BREZULEANU Mădălina Maria, în volumul conferinței "Conferința științifică Internațională PROMOVAREA VALORILOR SOCIAL-ECONOMICE ÎN CONTEXTUL INTEGRĂRII EUROPENE, Ediția a 7-ea " 2025, Chișinău, Rep. Moldova, pag 73-88, ISBN 978-9975-3611-4-9.3(082)

J. Invenții.

K. Contracte de cercetare.

1. ȘCOALĂ ANTREPRENORIALĂ PENTRU SUSȚINEREA INIȚIATIVELOR DE AFACERI STUDENȚEȘTI INOVATIVE (SASIASI)- CNFIS-FDI-2019-0192, http://sas-usamviasi.ro/
2. MODERNIZAREA ACTIVITĂȚII DE PREDARE-ÎNVĂȚARE-EVALUARE DIN ÎNVĂȚĂMÂNTUL SUPERIOR AGRONOMIC ȘI RESPECTAREA DEONTOLOGIEI ȘI ETICII ACADEMICE CNFIS-FDI-0258-2019 http://www.cnfis.ro/wp-content/uploads/2019/04/Rezultate_finale-FDI2019-lista_proiecte_domenii_site.pdf
3. DEZVOLTAREA COMPETENȚELOR ȘI INIȚIATIVELOR DE AFACERI STUDENȚEȘTI PRIN INOVARE ÎN DOMENIUL AGRONOMIC CNFIS- FDI 0247-2020. http://www.cnfis.ro/wp-content/uploads/2020/03/FDI2020-Rezultate-finaleCNFIS-lista-proiecte-publicare.pdf
4. CREȘTEREA VIABILITĂȚII ECONOMICE A FERMEI PRIN OPTIMIZAREA UTILIZĂRII FACTORILOR DE PRODUCŢIE ÎN CONDIȚII DE REZILIENȚĂ LA FACTORII CLIMATICI RESPECTÂND PRINCIPIILE DEZVOLTĂRII DURABILE-Contract de consultanță și cercetare dezvoltare nr. 9762/10.07.2023 între USV Iași și SC EVEL-H COMPANY SRL, jud. Vaslui.
5. STUDII PRIVIND SEMIOTICA ȘI RETORICA ELEMENTELOR PUBLICITARE DIN DOMENIUL PREPARATELOR DIN CARNE- Contract de cercetare aplicativă nr, 6607/22.04.2024 între USV Iași și SC Industrializarea cărnii KOSAROM SA.
6. DEZVOLTAREA DE SERVICII EDUCAȚIONALE DE CALITATE PRIN STAGII DE PRACTICĂ ÎN ÎNVĂȚĂMÂNTUL PROFESIONAL ȘI TEHNIC DIN DOMENIUL AGRICOL ȘI DE INDUSTRIE ALIMENTARĂ-cod proiect My Smis2021+:308587/2024, Beneficiar Colegiul Agricol și de Industrie Alimentară V. Adamachi Iași

L. Premii, distincții.

Lucrări premiate

ECONOMIC FREEDOM AND VARIETIES OF CAPITALISM, Mădălina-Maria Brezuleanu, Premiu: Medalie de BRONZ, în cadrul International Exihibition of Innovation and Technology Transfer EXCELLENT IDEA-2023.

Medalie de Bronz, Mădălina-Maria Brezuleanu, Euroinvent, 2025.

M. Alte realizări semnificative.

Data,

Nume, semnătura

Dr. Ec. BREZULEANU MĂDĂLINA MARIA

* Conform H.G. 1175/ 2006

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licenţă

Numele şi prenumele: **BUJU CREOLA SMARANDA**

A. Teza de doctorat.

Instituţie: Universitatea Al.I.Cuza, Iași
Perioada: 1997-2005
Coordonator: Prof.univ.dr. Marin Constantin
Titlul tezei: Hesychasmul palamit parte integrantă a Ortodoxiei Răsăritene
Titlul: doctor în Istoria Filosofiei, ordin.Ministrului Educatiei şi Cercetarii nr.4802 din 15.08.2005. Diploma de doctor seria D nr.0003730

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. **Buju S.,** *Isiham și controversă. Aspecte filosofice și psihologice*, Editura Presa Universitară Clujeană, 2014, ISBN 978-973-595-702-5; 175 pagini.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

1. **Buju S**., în vol. *Învățarea continuuă. Tendințe actuale și viitoare în educație și societate*, coord. T. Stanciu și C.M.Tofan, cap. Educația pentru spiritualitate. Dezvoltare și integrare curriculară, pp. 120-148, Editura Universității " Alexandru Ioan Cuza"din Iași, 2023. ISBN 978-606-714-796-4
2. **Buju S.,** în vol. *Adicțiile în societatea contemporană. De la acceptare la schimbare*, coord. A. Karner-Huțuleac si T.D. Huțul, Gestionarea recăderilor (cap.27, pp.336-346) și Adicțiile și spiritualitatea (cap.29, pp.357-368), Editura Polirom, Iași, 2023. ISBN 978-973-46-9599-7
3. Buju S. (în colaborare), *Cum să devină studenții la inginerie și arhitectură mai interactivi și mai creativi?*, Editura Politehnium, Iași, 2017, pp.79-102.
4. Buju S., *Psihologia educației. Curs pentru studenții și cursanții cu profil tehnic*, Editura PIM, 2014, ISBN 978-606-13-2132-2; 157p.
5. Tiron Elena, **Buju Smaranda,** *În Educația centrată pe elev/student, cap.1 Strategii de predare-învțare-evaluare centrate pe elev/student*, pp.9-46; cap.*3 Metode și tehnici de cunoaștere a elevilor și comunității*, pp.284-314, Performantica, Iasi, 2012.
6. **Buju Smaranda**, Tiron Elena, Hojbota Ana Maria, *Ghid de bune practici în orientare și consiliere profesională*, Editura Pim, Iași, 2011, 111 p.
7. **Buju Smaranda**, *Psihologia educației. Caiet de aplicații pentru studenții cu profil tehnic,* Editura Fundația Academică Axis, Iași, 2007, ISBN: 978-973-7742-51-3.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. **Buju, S**., Perceptions of Self-Love Among Orthodox Christians: Clinical and Pastoral Implications. Pastoral Psychol 74, 305–323 (2025). https://doi.org/10.1007/s11089-024-01165-4
2. **Buju S.,** Understanding madness: from mental illness to a global human phenomenon, LES CAHIERS LINGUATEK*, nos.15-16*, pp. 176-185, Editura Politehnium, Iași, 2024, CEEOL indexation, ISSN 2601-0313 ISSN-L 2559-7752.

3. **Buju Smaranda**, *Clinical Approach of Spiritual Illnesses: Eastern Christian Spirituality and Cognitive Behavioral Therapy,* Pastoral Psychology, https://doi.org/10.1007/s11089-019-00874-5, © Springer Science+Business Media, LLC, part of Springer Nature 2019.
4. Burlacu A., Artene B., Nistor I., **Buju S**., Jugrin D., Mavrichi I.,Covic A, Religiosity, spirituality and quality of life of dialysis patients: a systematic review, International Urology and Nephrology, Volume: 51, Issue:5, Pages: 839-850, Pulished: May, 2019; https://doi.org/10.1007/s11255-019-02129-x; FI= 1,596
5. **Buju S**., *Circularity in Psychotherapy. A Representation of Complex Psychological Processes*, În jurul și de-a lungul. Proceedings of the Symposium "Around and Across", CRU TUIASI, Editura Politehnum, 2022, Print-ISBN-13: 978-973-621-508-7, pp.41-53.
6. **Buju S**., Rădășanu H., Barnea C.A., Leonte G., Filip L., *Mentoring in Orthodox Seminaries/Theological high School: A pilot study*, BIP, Iași, Volumul 67 (71), Numărul 1-2, 2021, ISSN-L 1224-5860, pp.15-28.
7. **Buju S**., Jugrin D., *A Christian model of forgiveness. An analysis from the perspective of modern psychological theories*, International Journal of Education and Psychology in the Community, IJEPC, ISSN: 2069-4695, 2021, 11(1&2), 47-71.
8. Burlacu, A., Mavrichi, I., Crisan-Dabija, R., Jugrin, D., **Buju, S**., Artene, B., Covic, A. (2021). *"Celebrating old age": an obsolete expression during the COVID-19 pandemic? Medical, social, psychological, and religious consequences of home isolation and loneliness among the elderly*. Archives of Medical Science, ISSN: 1734-1922, 17(2), pp.285-295, https://doi.org/10.5114/aoms.2020.95955
9**. Buju S.,** Buju M., *Meaning in Life for Adolescents and Young Adults*, BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAŞI, Volume 66 (70), Number 3-4, 2020, pp.9-20.
10. **Buju S.**, *Meaninglessness in Psychotherapy: Clinical Challenges and Spiritual Resources*, pp. 33-54, ACTA PHILOSOPHICA, Rivista internazionale di filosofia, fascicolo i · volume 29 · anno 2020, issn print 1121-2179 · e-issn 1825-6562, https://doi.org/10.19272/202000701003.
11. **Buju Smaranda,** *Personality profile of students with technical academic performance*, in Procedia Social and Behavioral Science, Volumul nr. 78 din 13 mai 2013, Elsevier, pp.56-60.
12. **Buju Smaranda**, *The study of psycho-pedagogical subjects for the students of technical field: from empirical perceptions, prejudices, to scientific opinions,* în Scientific Buletin Education Sciences Series no.2/ 2013, University of Pitesti Publishing House, pp.113-129, ISSN 1584-5915.
13. M. Carcea, C.C.Ioan, Iorga M., **Buju S**., Hojbota A.M., *A Psychological Behavioral Model for Researchers,* Environmental Engineering and Management Journal, vol.9 (2010), no. 10, pp.1443-1449, ISSN 1843-3707.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

1. **Buju Smaranda**, *Modelling the personality -the trainers dilemma*, în „Europen Journal of Science and Theology", June 2005, vol.1, no.2, p. 21-25, ISSN:1841-0464.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. Buju S., *Inductive Methods and Interactive Lectures in Technical Higher Education*, în Bulletin of the Pollytechnic Institute of Iași, vol.63 (67), nr.3-4, 2016, pp.9-16, indexat C.E.E.O.L.
2. Buju S., *Eastern Christian Spirituality and Experimental Psychology: Dilemmas and Interrogations in building a dialogue*, în Bulletin of the Pollytechnic Institute of Iași, vol.62 (66), nr.3, 2016, ISSN electronic 2501-8760, ISSN-L 1224-5860, pp.39-47, indexat C.E.E.O.L.
3. Buju S., *Application in education of the Rational-Emotional and Behaviour Therapy (REBT): Curricula of emotional health for teenegers*, în Buletinul Institutului Politehnic din Iași, Vol.62 (66), nr.2, 2016.

4. Hojbota Ana Maria, **Buju S**., *Exploring The Personal Factore involved in the Decision of High School Students from Rural Areas to pursue University Studies*, în Buletinul Institutului Politehnic din Iași, Tomul LX, Fas.3-4, 2014.
5. Buju S., *Which difficulties perceive the students of the technical specialization in the study of the psycho-pedagogical subjects*, in Buletinul Institutului Politehnic", Tomul LIX (LXIII), Fasc.1-2, Editura Politehnium, 2013, Iași, pp.65-73.
6. Buju Smaranda, *The Profile of Emotional Destress on Students in 8 th Grade*, în Buletinul Institutului Politehnic",Tomul LVIII (LXII), Fasc.3-4, Editura Politehnium, Iași, 2012, pp.61-66.
7. **Buju Smaranda,** *Big Five Plus Questionnaire, a predictive instrument for academic performance*, în Buletinul Institutului Politehnic", Iaşi,Tomul LVI (LX),Fasc.3, Iași, 2010.
8. *Hojbota Ana Maria***, Buju Smaranda,** *Social reprezentations of conflict in Romania organizations public and private sector*, in colab.,in Conflict, Change and Organizational Health, Supliment la Analele de Psihologie „Alexandru Ioan Cuza"Iasi, 2009, p.85-97.
9. *Hojbota Ana Maria***, Buju Smaranda,** *Cercetarea fundamentala, aplicata si actionala.Profilul psihologic al cercetatorului - un demers teoretico-aplicativ*,in Revista Cercetarii Stiintifice, vol.1, nr.1, 2009, p.58-72.
10. *Sandu Gabriel***, Buju Smaranda** *Factori de risc in evaluarea academica a personalului didactic din DPPD-UTI*, Buletinul Institutului Politehnic Iasi,Tomul LV(LIX), Fasc.3-4, 2009, p.163-170
11. **Buju Smaranda**, *Forms of Human Edification by Psycho-Therapeutic Interpretation and Understanding,* in Journal for Interdisciplinary Research on Religion and Science, no. 3, July, 2008, p.193-219, „Al.I.Cuza" University of Iasi and Center for Advanced Interdisciplinary Research on Religion and Science, Romania, ISSN:1843-4142.
12. **Buju Smaranda**,*The Human Subject between Individual and Person,* in Buletinul Institutului Politehnic din Iasi, Tomul LIV (LVIII), Fasc.2, p.49-53, 2008.
13. **Buju Smaranda**, *Psychology and Neurosciences,* în „Buletinul Institutului Politehnic", Iaşi, TomulLIII (LVII), Fas.1-4, p.93-98, 2007.
14. **Buju Smaranda**, *A Humanist View of The Trainer,* în „Buletinul Institutului Politehnic", Iaşi, TomulLI (LV), fas.1-4, p. 77-81, 2005.
15. **Buju Smaranda**, *Considérations sur l'apport de la spiritualité orientale dans la psychologie de la personne,* în „Buletinul Institutului Politehnic", Iaşi, Tomul XLIX (LIII), Fas. 1-4, p. 39-42, 2003.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. **Buju Smaranda,** *Ce dificultati percep studenții cu profil tehnic în studiul disciplinelor psihopedagogice?,* in Volumul Prima Conferință Internațională, Educație-Profesionalizare-Creație în Societatea Cunoașterii, EPC 2013, Performantica, Iași, 28-29 noiembrie, pp.39-48.
2. **Buju Smaranda,** *From spiritual 'akedia' towards the understanding of the students' lack of motivation*, in Unity and Diversity in Knowledge Society, Antropology and Cultural Studies Psychology and Educational Sciences, vol.nr.26, Institutul European, Iasi 2013, pp.223-232.
3. *Hojbota Ana Maria*, **Buju Smaranda,** *Explorarea factorilor personali implicati in decizia liceenilor din mediul rural de a continua studiile*, la Sesiunea anuala de comunicari stiintifice la nivel national, Editia a XIX a. Dimensiuni contemporane ale dezvoltarii. Fundalul romanesc al sincronizarii europene, Petre Andrei, Iasi, 3-4 iunie 2011.
4. *Carcea I.Maria, Ioan Carmen, Iorga Magdalena***, Buju Smaranda**, *Differentiated Curriculum for Developing Reaserch Competence*, la Balkan Region Conference on Engineering and Business Education & International Conference on Engineering and Business Education,15/17 octombrie 2009, Sibiu, p.317-320.
5. **Buju Smaranda**, *Ana Maria Hojbotă,* Social representations of conflict in Romanian organizations, public and private sector, Workshop International, „Organizational Behavior, Change and Performance", Universitatea „Alexandru Ioan Cuza", Iaşi, 30-31 Mai 2008, publicat in Performantica Publishing House, Iaşi, Romania, 2009.
6. **Buju Smaranda**, *Jitaru Oana, Questionaire for moral-civic values diagnosis,* la Primul Simpozion naţional- EPC, 20-21 0ctombrie, 2006, p. 217-222. ISSN:1224-5860

7. **Buju Smaranda**, *Jitaru Oana*, *Civic-Moral values at the Students of the Higher Technical Education,* la Primul Simpozion naţional- EPC, 20-21 0ctombrie, 2006, p. 207-216, ISSN:1224-5860.
8. **Buju Smaranda**, *Cum mai poate fi recreeat mediul universitar?* în Inventica 2006, a XVIII-a Conferinţă Internaţională de Inventică "Cercetări şi tehnologii inovative performante", 5-9 iulie, p.87-90.
9. **Buju Smaranda**, *Jitaru Oana, Implicare socială şi voluntariat la studenţii din învăţământul superior tehnic*, la Lucrările Simpozionului Naţional "Bazele Performanţei şi Inventica" în cadrul "Zilelor Academice Ieşene", Ediţia XXI, Iaşi, 8-10 septembrie 2006, p.66-79, ISBN:973-730-244-3.
10. **Buju Smaranda**, *Nae Ionescu –un formator atipic sau creativ?,* în „Ecoinvent 2005, a XVII Conferinţa Internaţională de Inventică „Cercetări şi Tehnologii Inovative Performante", 2005, p.93-96, ISBN:973-730-077-7.

J. Invenţii-

K. Contracte de cercetare:

1) Membru in 2 contracte de cercetare interdisciplinară finanţate de Fundaţia Templeton, 2007-2008: „Interpretare şi înţelegere: premise ale edificării spirituale în lumea de astăzi"; „Persoana umană. Determinism şi libertate".
2) Colaborator în Proiect CNCSIS ID_303, Studiu privind eficientizarea formării competenţei de cercetare ştiinţifică, 2008-2009.
3) Manager de proiect finantat din FSE –Consiliere si orientare profesionala prin informare si evaluare psihologica. „Pasul cel mare. De la liceu la universitate " POSDRU /22/2.1/G/36441, 1 septembrie 2009-31 august 2011.
4) Expert pe termen scurt în proiect "Specializarea personalului didactic universitar pentru funcţia de supervizor de practică", POSDRU/57/1.3/S/17884, anul 2010-2011.
5) Expert pe termen scurt în proiect, "Edu Tehnic Forma Plus", POSDRU 19/1.3/G/33739, anul 2010-2011.
6) Consilier studenți în proiect Student la Universitatea Tehnică Iași, CNFIS-FDI-2016-0049.
7) Membru proiect „Excelență în profesie și în viață prin TUIASI"-CNFIS-FDI-2017-0017.
8) Membru proiect „Perfecționarea continuă a personalului didactic din universitate-garanție a respectării deontologiei profesionale și a eticii academice"-CNFIS-FDI-2017-0065, PERF-DEONTIC.
9) Expert consiliere profesională in proiect Învățământ secundar Rose „Șansă la educație la Știința și Ingineria Materialelor" (SESIM)(Contract muncă nr.18402/20.05.2019).
10) Expert consiliere profesională in proiect Învățământ secundar Rose NC35, nr.65/SGU/NC/I, Construim împreună viitori ingineri constructori" (CIVIC) (Contract muncă nr.18165/28.02.2019).
11) Expert consiliere profesională in proiect Învățământ secundar Rose 89/SGU/NC/I, Croiește-ți viitorulcu încredere la Facultatea de Textile Pielărie și Management industrial din UTI Iași" (Contract de muncă nr.19068/31.10.2019).
12) Consilier de dezvoltare în proiect AG 367/SGU/SS/III „Viitorul este Electric!"- STARTing (Contract de muncă nr.19949/30.09.2020).
13) Expert consiliere profesională in proiect Învățământ secundar Rose AG 65/SGU/NC/I „Construim împreună viitori ingineri constructori" (CIVIC) (Contract muncă nr.19356/28.02.2020)
14) Expert consiliere profesională in proiect Învățământ secundar Rose „Șansă la educație la Știința și Ingineria Materialelor" (SESIM)(Contract muncă nr.21236/03.06.2021)
15) Expert formator in proiect Învățământ secundar Rose „Educație, Inovare pentru formarea de ingineri constructori motivați" EDIFICIUM, AG346/SGU/SS/III.(Contract de muncă nr. 20658/26.02.2021)
16) Consilier dezvoltare competențe in proiect POCU/626/6/13 ID:131181 „Inserția absolvenților prin stagii de pregătire practică moderne și eficiente din cadrul UTI Iași", PRACTEH (Contract de muncă nr. 20816/31.03.2021)
17) Expert consiliere profesională în proiect „Vara aceastaînvață să fii inginer la Facultatea de Construcții și Instalații", LEARN-ING, AG nr.311/SGU/P/III, 2021.
18) Expert consiliere în proiect 114/SGU/PU/11 „Academia de vară pentru viitori ingineri constructori"-ACADEMICA (Contract de muncă nr.23003/24.06.2022)
19) Expert formare profesională in proiect MySMIS POCU/320/6/21/122333 "Oferte educaționale noi și flexibile în învățământul terțiar uniiversitar și non-universitar tehnic conform cu cerințele pieții muncii în schimbare. (Contract de muncă nr.23697/31.01.2023)

20) Consilier specialitate în proiect „Inserția profesională de succes a absolvenților TUIASI susținută prin dezvoltare instituțională-Insert-Ing”, CNFIS-FDI-2025-F-0069, 2025.

L. Premii, distincţii-

M. Alte realizări semnificative:

16 Episode „Dialoguri cu sens: Educatie si inspiratie pentru familia ta”, Doxologia, https://www.youtube.com/watch?v=5FusHcAJ1vo&list=PLDvGgwa6qU1K0H3AqSZCOEm7nC_jjKzE6

Lector univ.dr. psih. Buju C. Smaranda



Data : 14.10.2025

Anexa A.3.7 - ***Lista de lucrări cadre didactice***

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ
Domeniul de licenţă: INGINERIE MANAGEMENT
Programul de studii de licenţă: INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Numele şi prenumele: **BURLICĂ M. MONICA-DANA**

A. Teza de doctorat.
Titlul tezei de doctorat: "METODE SEMIGRUPALE PENTRU SISTEME DE REACTIE-DIFUZIE". Data susţinerii- 18.12.2009, Universitatea "Alexandru Ioan-Cuza" din Iasi, Facultatea de Matematica, in domeniul Matematica, conducator stiintific- Prof. univ. dr. Ioan I. Vrabie.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.
M.D. Burlică, M. Necula, D. Roşu, I.I. Vrabie, *Delay Differential Evolutions Subjected to Nonlocal Initial Conditions*, CRC Press, Taylor & Francis Group, A Chapman & Hall Book, Boca Raton London-New York, 361pg., 2016.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.
M. Burlică, *Capitole de Analiză Matematică,* Editura Performantica, Iaşi, 2022.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.
1. R. Gologan, V. Iftode, G. Păltineanu, M. Olteanu, A. Toma, T-L . Costache, J. Cringanu, M. Roman**, M. Burlică**, V. Kecs, *Calcul diferenţial si integral*, Editura Studis, Iaşi, 194 pg. ,2013. ISBN: 978-606-624-316-2
2. V. Pop, L. Popa, D. Popa, M. Olteanu, G. Mincu, **M. Burlică**, R. Strugariu, M. Ispas, *Teme şi probleme pentru concursurile studenţeşti de matematică*, vol. 2, Concursuri internaţionale, Editura Studis, Iaşi, 2013, 251pg.
ISBN vol.2: 978-606-624-300-1
3. O. N. Stănăşilă, M. Pîrvan, M. Olteanu, C. Costinescu, M. Gavril, D. Popa, V. Pop, L. Popa, **M. Burlică**, M. Ispas, A. Gica, C. Gheorghe, V. Vuletescu, . Teme şi probleme pentru concursurile studenţeşti de matematică, vol. 3, Concursuri naţionale, Editura Studis, Iaşi, 2013, 385 pg.
ISBN vol.3: 978-606-624-301-8

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
1. **M. D. Burlică**, *Analiza matematica. Culegere de probleme,* 2022*,* 119 pg.
2. **M. D. Burlică**, *Matematici Speciale I- Indrumar pentru seminar,* 53 pg.
3. **M. D. Burlică**, *Analiza matematica, Curs în format ppt* (305 slides).
4. **M. D. Burlică,** *Matematici Speciale I, Curs în format pdf,* 74 pg.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.
F1**. M. Burlică**, M. Durea, R. Strugariu, On directional subregularity of mappings, Optimization, pp.1-25, 2022.

F2. **M. Burlică**, M. Durea, R. Strugariu, ***New concepts of directional derivatives for set-valued maps and applications to set optimization***, Optimization, pp.1-23, 2023.
F3. **M. D. Burlică,** D. Roşu, *An existence result for a class of delay inclusions involving measures, subjected to nonlocal initial data*, Mediterranean Journal of Mathematics, 14:104, 2017.
F4. **M. D. Burlică,** D. Roşu, *Nonlinear delay reaction-diffusion systems with nonlocal initial conditions having affine growth*, Topological Methods in Nonlinear Analysis, 48 (2), pp. 1-22, 2016.
F5. **M. D. Burlică**, D. Roşu, I.I. Vrabie, *Abstract reaction–diffusion systems with nonlocal initial conditions*, Nonlinear Analysis: Theory, Methods & Applications, 94, pp. 107–119, 2014.
F6. **M. Burlică**, D. Roşu, *A class of nonlinear delay evolution equations with nonlocal initial conditions*, Proceedings of the American Mathematical Society, 142, pp. 2445-2458, 2014.
F7. **M. Burlică**, D. Roşu, *A class of reaction-diffusion systems with nonlocal initial conditions*, An. Ştiinţ. Univ. Al. I. CuzaIaşi, (N.S), 61(1)(2015), 59-78.
F8. **M. D. Burlică**, D. Roşu, I. I. Vrabie, *Continuity with respect to the data for a delay evolution equation with nonlocal initial conditions*, Libertas Mathematica,(new series), 32 (2012), No. 1, 39-50.
F9. **M. D. Burlică,** *Viability for multi-valued semilinear reaction-diffusion systems,* Ann. Acad. Rom. Sci.. Ser. Math.,2 (2010), 3-24.
F10. **M. Burlică**, D. Roşu, *A viability result for semilinear reaction-diffusion systems*,An. Ştiinţ. Univ. Al. I. CuzaIaşi, (N.S), 54(2) (2008), 361-382.
F11. **M. Burlică**, D. Roşu, *The initial value and the periodic problems for a class of reaction-diffusion systems*, Dynamics of Continuous, Discrete and Impulsive Systems, DCDIS, series A: Mathematical Analysis, 15 (2008), 427-444

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.
H1. **M. Burlică**, D. Roşu, *Semilinear reaction-diffusion systems*, Buletinul Institutului Politehnic, Iaşi, tom LIII (LVII), Secţia Matematică, Mecanică Teoretică, Fizică, 5, pp.51-58, 2007.
ISSN: 1224-7863

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I1. **M. Burlică,** *Viability for Semi-Multi-Valued Reaction-Diffusion Systems*, International Conference on Numerical Analysis and Applied Mathematics, 16-20 September, 2008, Kos, Greece, Vol. 1048, pp. 126-129, 2008.
ISBN: 978-0-7354-0576-9**.**
I2. **M. Burlică**, D. Roşu, *A viability result for semilinear reaction-diffusion systems*, Proceedings of the International Conference of Applied Analysis and Differential Equations, 4–9 September 2006, Iaşi, Romania, World Scientific, 2007, 31–44.

J. Invenţii.

K. Contracte de cercetare.

K1. Membru Grant ERASMUS KA2+ MathE-Improve Math Skills in Higher Education, nr. 2018-1-PTK01-KA203-047361, perioada 01.09.2018 – 31.08.2021.

K2. 2019-2022 Expert Educație Matematică proiect ROSE 185/SGU/NC/II „Cresterea gradului de retentie in primul an de studii universitare in inginerie electrica si energetica prin reducerea abandonului si cresterea promovabilitatii”, grant prof. univ. dr. ing. Marinel Temneanu, 13 membri

K3. Expert Educație Matematică proiect ROSE 288/SGU/CI/III „Rețea de laboratoare didactice pentru discipline generale specifice studiilor de inginerie -NETLAB”, director grant prof. univ. dr. ing. Neculai Eugen Seghedin, 36 membri

K4. 2020-2022 Consilier mentor proiect ROSE 367/SGU/SS/III „Viitorul este electric!”, director grant sef lucrari dr.ing. Cristina Vatavu, 23 membri

K5. 2017-2020 Expert Educație Matematică proiect ROSE 83/SGU/CI/I „ Reducerea abandonului școlar al studenților din anul întâi prin activități remediale și de consiliere în Centrul de Învățare din cadrul TUIASI (REMEDIUM)”, director grant prof. univ. dr. ing. Neculai Eugen Seghedin, 36 membri

K6. 2011-2016 Proiect PN-II-ID-PCE-2011-3-0052, CNCSIS-UEFISCDI, coordonator contract prof. univ. dr. I. I. Vrabie, tema, „Incluziuni funcţional-diferenţiale cu întârziere în spaţii Banach”(5 membri), membru în echipă.

K7. 2011-2013 Proiect POSDRU/56/1.2/S/32768, „Formarea cadrelor didactice universitare şi a studenţilor in domeniul utilizării unor indtrumente moderne de predare-învăţare-evaluare pentru disciplinee matematice, în vederea creeării de competenţe performante şi practice pentru piata muncii”, coordonator proiect conf dr. A. L. Pletea, expert pe termen scurt

K8. 2007-2010 Grant PN-II-ID-IDEI, cod CNCSIS ID 397, cu tema, „Incluziuni diferenţiale pe mulțimi închise, mulțimi tangente și aplicații”, încheiat de Universitatea „Alexandru Ioan Cuza” din Iași, director de contract prof. univ. dr. I. I. Vrabie (5 membri)- membru în echipă.

K9. 2006-2008 Grant CNCSIS A , cod 1159 cu tema, „Probleme de viabilitate și invarianță pentru ecuații diferențiale și ecuații funcționale, sisteme de reacție-difuzie și ecuații cu date măsuri” încheiat de Universitatea „Alexandru Ioan Cuza” din Iași, director de contract prof. univ. dr. I. I. Vrabie (5 membri)- membru în echipă

K10. **Grant CNCSIS tip A, cod 818**, cu titlul: „*Studiul existenţei, unicităţii, stabilităţii şi aproximării soluţiilor unor clase de ecuaţii funcţionale”*, încheiat de Universitatea Tehnică “Gheorghe Asachi”, Iaşi, director proiect prof. dr. Adrian Corduneanu, **membru în echipă** Nr. 33371/2004, tema 50; nr. 34664/2005, tema 21.

L. Premii, distincţii.

L1. Articolul **R3** este premiat în zona galbenă PN-III-P1-1.1-PRECISI-2017-14311

L2. Articolul **R5** este premiat în zona galbenă PN-II-RU-PRECISI-2014-8-6134

L3. Articolul **R6** este premiat în zona galbenă PN-II-RU-PRECISI-2014-5834

L4. Articolul **R9** a obținut Special Award oferit de The Section of Mathematics of the Academy of Romanian Scientists

M. Alte realizări semnificative.

Data,
24.01.2026

Conf. univ. dr. mat. Monica-Dana Burlică

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**
Domeniul de licență: **INGINERIE MANAGEMENT**
Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Numele şi prenumele: Burlică Radu

A. Teza de doctorat.
Teză de doctorat: Acţionarea cu electromagneţi a aparatelor electrice

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. R. Burlică, "Prospective de l'incineration des dechets urbains et industriels specieux de la ville de Iasi ", Ecole des Mines d'Ales (in french), Ales, 2001, Editura Universităţii Ecole des Mines d'Ales, Franţa. 97p

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. R. Burlică, "Tehnici de comutaţie", Curs, Editura PIM, 2014, ISBN: 978-606-13-2019-6, 216p
2. R. Burlica, Tehnici de comutatie, Indrumar de laborator,127p, Ed. PIM 2014
3. R.Burlica, Electroecologie, Indrumar de laborator, 95p, PIM, 2014
4. R. Burlica, "Descarcari electrice de tip plasma rece. Aplicatii pentru mediu", Ed. PIM , 2015, , ISBN: 978-606-13-2409-5
5. E. Hnatiuc, R. Burlică, B. Hnatiuc, Bazele Teoretice ale Funcţionării Aparatelor Electrice, Editura Venus, Iaşi, 2004, ISBN: 973-7960-52-1 E. Hnatiuc 120p, R. Burlică 100p B. Hnatiuc 45p
6. R. Burlică, Regimurile Tranzitorii ale Aparatelor Electrice, Indrumar de laborator. 130p
7. R. Burlică, E. Hnatiuc, B. Hnatiuc, Aparate Electrice de Comutaţie Acţionate cu Electromagneţi, Editura Venus, Iaşi, 2004, ISBN: 973-7960-30-0, R. Burlică 100p, E. Hnatiuc 30p, B. Hnatiuc 25p
8. Radu Burlică, Dragoş Astanei, „Plasma non-termică: Fundamente, Aplicații, Analiză", Editura PIM, ISBN 978-606-13-5944-8, 323 pag., Iași, 2020.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. R. Burlică, E. Hnatiuc, Proiectarea Aparatelor Electrice, curs, www.ee.tuiasi.ro/~rburlica/public/PCAE 218p, R.Burlica 146p, E.Hnatiuc 72p
2. R. Burlică, Regimurile Tranzitorii ale Aparatelor Electrice, curs, www.ee.tuiasi.ro/~rburlica/public/RTAE, 203p

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. V. Stoleru, R. Burlică, G. Mihalache, D. Dirlau, S. Padurean, G.C. Teliban, D. Astanei, A. Cojocaru, O. Beniuga, A. Patras, „Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate", Scientific Reports (Nature), vol. 10, issue 1, Art. number 20920, 2020, factor de impact (2019) 3,998.
2. V. Popescu, D.G. Astanei, R. Burlică, A. Popescu, C. Munteanu, F. Ciolacu, M. Ursache, L. Ciobanu, A. Cocean, "Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics", Journal of Cleaner Production, vol. 232, pp. 451–461, 2019, factor de impact (2019) 7,246.
3. R. Burlică, I.D. Dirlău, D. Astanei, „NON-THERMAL PLASMA MINI-REACTORS FOR WATER TREATMENT", Environmental Engineering and Management Journal, vol. 18, issue 8, pp. 1799 – 1807, 2019, factor de impact (2018) 1,186.
4. A. Doubla , E. B. Tsagou-Sobze, D. Moussa, R. Burlica, E. Hnatiuc, J.-L. Brisset, Plasmachemical degradation of urea and thiourea solutes exposed to an electric discharge at atmospheric pressure"Revue des Sciences d'Eau, no.20-3, pp 265-272, 2007, ISSN 0992-7158
5. Avaly Doubla, Radu Burlica, Eugen Hnatiuc, David Moussa and Jean-Louis Brisset, " Destruction of alkaline cyanides by electric discharges" Research Journal of Chemistry and Environment, ", 11 (1) 92-95. (2007)
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10. National Science Foundation, SUA Water Spray in Atmospheric Pressure Electrical Discharge Plasma (P.I. Dr. Bruce R. Locke, co-P.I. Dr. Farrukh Alvi, co-P.I. Dr. Milen Kostov) (09/01/2009-08/31/2012) CBET 0932481., funcția în cadrul proiectului: Membru

11. Grant de cercetare AUF, Tema Application du plasma froid au traitment des eaux de lavage, parteneri : Université de Paris, Mancy (France), Université de Yaoundé (Cameroun), Universitatea Tehnica « Gh. Asachi » Iasi (Roumanie), funcția în cadrul proiectului: Membru

12. “Pulsed Gliding Arc Electrical Discharge Reactor” supported by the Florida State University Research Foundation (GAP_Program) (1 an), SUA, funcția în cadrul proiectului: Membru

13. Grant PEG (Program Enhancement Grant), USA, “Laboratory for Advanced Chemical Reaction Engineering” at Florida State University-College of Engineering, Florida, USA, funcția în cadrul proiectului: Membru

14. PAI de tip « BRINCUSI », hotărârea MEC din 13.01.2003 cu Nr. 06050RC, Tema: Sistem de aprindere cu plasmă pentru motor de automobil, , coordonator Parteneri : Universitatea Tehnică « Gh. Asachi » Iaşi, şi Centre Universitaire de Bourges (France) Faculté des Sciences, , funcția în cadrul proiectului: Membru

15. Grant NSF (National Science Foundation) / NATO, (DGE-0209555), “High voltage electrochemical reactors for water pollution treatment”, Florida State University, College of Engineering, Florida, USA, competiţie internaţională, Dr. B. Locke (FSU)-PI, R. Burlica (UTI) Co-PI, Grant for International Cooperation (INT-0086351) at Florida State University-College of Engineering, Florida, USA, 2002-2003, funcția în cadrul proiectului: Membru

16. Proiect European, CRAFT, « VOC Oxidation Using electrical discharges and catalitic bed », Contract.G1ST-CT-2001-50147, , participant la University of Rouen, France,, funcția în cadrul proiectului: Membru

17. Francofonie AUF, ESOPE, nr. 6301PS 327, Limitation de solutés organiques polluants d’effluents liquide par plasma non thermique), parteneri : Université de Rouen (France), Université Ougadougou (Burkina-Faso), Université de Yaoundé (Cameroun), Université de Mostaganem (Algérie), Université Technique « Gh. Asachi » Iasi (Roumanie), funcția în cadrul proiectului: Membru

18. Francofonie AUF, nr. 2001 PAS 23, Program tip FICU, Degradation de molecules organiques polluantes dans des eaux de rejet domestique et industriel par décharge électrique, parteneri : Université de Rouen (France), Université Ougadougou (Burkina-Faso), Université de Yaoundé (Cameroun), Université de Mostaganem (Algérie), Université Technique « Gh. Asachi » Iasi,, funcția în cadrul proiectului: Membru

L. Premii, distincţii.

1.IEEE-Creativity and Innovation Price Paper Award - 2009

2.Florida State University –INNOVATOR AWARD -2007

3.Florida State University –INNOVATOR AWARD -2011

M. Alte realizări semnificative.

Prof.dr.ing. Radu Burlică

Data, 20.02.2026



Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **Căileanu Corneliu**

A. Teza de doctorat.

„Utilizarea Sistemelor Discrete pentru Conducerea Adaptiv-Optimală a Acţionărilor Electrice" 1997, Domeniul „Ingineria Sistemelor", Universitatea Tehnică „Gheorghe Asachi" din Iaşi, conducător doctorat: prof. dr. ing. Balaban E.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. **C. Căileanu**, Gh. Livint, Neural networks in model based control of discrete event systems, in Real World Applications of Intelligent Technologies, Eds. H.J. Zimmermann, M. Gh. Negoita, Dan Dascalu, Editura Academiei Romane, 1995, ISBN: 973-27-0553-1, pag. 185-192.
2. **C. Căileanu**, Algoritmi de comandă a motoarelor de curent alternativ, Editura MATRIX ROM, Bucureşti, România, 1998, ISBN: 973-9390-13-7.
3. **C. Căileanu,** Sisteme cu evenimente discrete, **Editura Matrix Rom**, 2015, ISBN 978-606-25-0203-4

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. **Căileanu C.,** Modelarea şi comanda sistemelor cu evenimente discrete – note de curs, www.didatec.ro, programul ‚Scoala universitara de formare initiala si continua a personalului didactic si a trainerilordin domeniul specializarilor tehnice si ingineresti - DidaTec', Cod Contract: POSDRU/87/1.3/S/60891, 2014.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. **C. Căileanu**, J.L. Ferrier, Digital control of un unstable system : Ball and Beam, the 4-th International Symposium on Automatic Control and Computer Science, 29-30 octombrie 1993, Iaşi, România, vol.1, pag. 216-221. (**The open archive HAL – hal.archives.ouvertes.fr - HAL Id : hal-00843137).**
2. **C. Căileanu**, An Agent-based Approach to Induction Motor Drives Control, IEEE Conference INES'97, 15-17 September 1997, Budapest, Hungary, pag. 351-355
3. **C. Căileanu**, Deterministic Timed Event Graphs Identification, 40th IEEE Conference on Decision and Control, Orlando, Florida, USA, December 4-7, 2001, pp.4996-4997

4. **C. Căileanu**, Reliability Calculus using Max-Plus Algebra, 16th IFAC Congress, Prague, Czech Republic, July, 3-8, 2005

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. Gh. Livint, **C. Căileanu**, J.L Boimond, J.L. Ferrier, Considerations on discrete event systems modelling and control, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), Facs. 5, 1995, Secţia III, Electrotehnica, Energetica, Electronica, pag. 963-972.
2. **C. Căileanu**, Gh. Livint, Neural networks for discrete event systems identification, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), Facs. 5, 1995, Secţia III, Electrotehnică, Energetică, Electronică, pag. 973-980.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. C. Neaga, **C. Căileanu**, Pachet de programe pentru analiza automatelor programabile pe bit, Al III-lea Simpozion Naţional 'Structuri, algoritmi şi echipamente de comandă a proceselor industriale', 25-26 octombrie 1991, Iaşi, România, vol.2, pag. 149-152.
2. C. Neaga, **C. Căileanu**, Pachet de programe pentru analiza automatelor programabile pe cuvânt, al III-lea Simpozion Naţional 'Structuri, algoritmi şi echipamente de comandă a proceselor industriale', 25-26 octombrie 1991, Iaşi, România, vol.2, pag. 153-157.
3. Gh. Livint, R. Olaru, **C. Căileanu**, C. Cotae, The determination of the static characteristics of screened inductive transducers with magnetic fluids, the 6-th International Conference on Magnetic Fluids, 20-24 July 1992, Paris, France, pag. 530-531.
4. **C**. Căileanu, Gh. Livint, Comanda cu model intern a motoarelor electrice de curent continuu, Conferinţa' Electrotehnica-80', 22-24 octombrie 1992, Iaşi, România, vol.II, pag. 45-50.
5. **C. Căileanu**, Evolution strategies for system identification, the 4-th International Symposium on Automatic Control and Computer Science, 29-30 octombrie 1993, Iaşi, România, vol.1, pag. 66-71.
6. Gh. Livint, **C. Căileanu**, Internal model control structures for position control systems with DC motors, the 4-th International Symposium on Automatic Control and Computer Science, 29-30 octombrie 1993, Iaşi, România, vol.1, pag. 205-210.
7. **C. Căileanu**, Gh. Livint, Flexible digital control for DC motors, the 4-th International Symposium on Automatic Control and Computer Science, 29-30 octombrie 1993, Iaşi, România, vol.1, pag. 211-215.
8. **C. Căileanu**, J.L. Ferrier, Digital control of un unstable system : Ball and Beam, the 4-th International Symposium on Automatic Control and Computer Science, 29-30 octombrie 1993, Iaşi, România, vol.1, pag. 216-221. (**The open archive HAL – hal.archives.ouvertes.fr - HAL Id : hal-00843137).**
9. **C. Căileanu**, Multiple run approach for system identification, the 8-th Symposium of Modelling, Simulation and Identification Systems, 21-22 octombrie 1994, Galaţi, România, vol.1 pag. 27-32.
10. **C. Căileanu**, Considerations on Bond-Graphs for system modelling (1), the 8-th Symposium of Modelling, Simulation and Identification Systems, 21-22 octombrie 1994, Galaţi, România, vol.1 pag. 33-42.
11. **C. Căileanu**, Considerations on Bond-Graphs for system modelling (2), the International (AMSE) Conference SDS'94, 12-14 decembrie 1994, Hyderabad, India, vol. 1, pag. 113-122.
12. C. Calistru, **C. Căileanu**, Symbolic calculus : an efficient way of solving control and optimization problems, the 10-th International Conference on Control Systems and Computer Science, 24-26 mai 1995, Bucureşti, România, vol. 1, pag. 203-206.
13. **C. Căileanu**, C. Calistru, Considerations on bilinear systems control, the 10-th International Conference on Control Systems and Computer Science, 24-26 mai 1995, Bucureşti, România, vol. 1, pag. 126-129.
14. **Gh**. Livint, **C. Căileanu**, M.D. Zamfir, M. Poboroniuc, Bilinear discrete event systems control, the 5-th International Symposium on Automatic Control and Computer Science, 26-27 octombrie 1995, Iaşi, România, vol.1, pag. 73-77.

15. **C. Căileanu**, Gh. Livint, Techniques for induction motor modelling and parameter identification, the 5-th International Symposium on Automatic Control and Computer Science, 26-27 octombrie 1995, Iaşi, România, vol.1, pag. 102-107.
16. **C. Căileanu**, Gh. Livint, Neural networks in model based control of discrete event systems, in Real World Applications of Intelligent Technologies, Eds. H.J. Zimmermann, M. Gh. Negoita, Dan Dascalu, **Editura Academiei Romane**, 1995, pag. 185-192.
17. Gh. Livint, **C. Căileanu**, Neurocontrol of discrete event systems, the 3-rd workshop (IFAC) on Intelligent Manufacturing Systems, 24-26 octombrie 1995, Bucureşti, România, pag. 489-494.
18. Gh. Livint, **C. Căileanu**, J.L Boimond, J.L. Ferrier, Considerations on discrete event systems modelling and control, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), Facs. 5, 1995, Secţia III, Electrotehnica, Energetica, Electronica, pag. 963-972.
19. **C. Căileanu**, Gh. Livint, Neural networks for discrete event systems identification, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), Facs. 5, 1995, Secţia III, Electrotehnică, Energetică, Electronică, pag. 973-980.
20. **C. Căileanu**, Optimal-model reference adaptive control of induction motor drives, the 3-rd International Conference, D&AS'96, 23-24 mai,1996,Suceava,România,vol. 008, pag. 13-20, **ISSN** 1222-7234.
21. **C. Căileanu**, Considerations on model reference adaptive control of induction motors, Simpozionul National de Automatica şi Testare, Cluj-Napoca, România, 23-24 mai, 1996, pag. 229-234.
22. **C. Căileanu**, Adaptive Control of Induction Motors Using Artificial Neural Networks, World Multiconference SCI'97/ISAS'97, 7-11 July, 1997, Caracas, Venezuela, Vol.3, pag. 143-150.
23. **C. Căileanu**, An Agent-based Approach to Induction Motor Drives Control, IEEE Conference INES'97, 15-17 September 1997, Budapest, Hungary, pag. 351-355.
24. **C. Căileanu**, Comanda Neliniara Adaptiva a Acţionarilor Electrice cu Motoare Asincrone, Conferinţa Internaţională SIELMEC'97, 16-18 Octombrie, 1997, Chişinău, Moldova, Vol. 2, pag. 86-89.
25. **C. Căileanu**, Intelligent Control of AC Drives, Conferinţa Naţională de Acţionări Electrice, 8-9 octombrie 1998, Craiova, România, pag. 179-184.
26. **C. Căileanu**, J.L. Boimond, Considerations on Discrete-Event Dynamic Systems Identification, Proceedings of the SCI2000 Conference, Orlando Florida, USA, July 23-26, 2000, Vol.8, Part II, pp.324-329.
27. **C. Căileanu**, On-line Algorithms for Deterministic Timed Event Graphs Identification, Proceedings of the 9th Mediterranean Conference on Control and Automation, June 27-29, 2001, Dubrovnik, Croatia (CD).
28. **C. Căileanu**, Considerations on Timed Event Graphs Identification, Preprints of the Workshop on Max-Plus Algebras, Prague, Czech Republic, August 27-29, 2001, pp.63-69.
29. **C. Căileanu**, Deterministic Timed Event Graphs Identification, 40th IEEE Conference on Decision and Control, Orlando, Florida, USA, December 4-7, 2001, pp.4996-4997.
30. **C**. Căileanu, Reliability Calculus using Max-Plus Algebra, Proceedings of the 16th IFAC Congress, Prague, Czech Republic, 2005, Volume # 16 | Part# 1, pp. 1814-1814, ISBN 978-3-902661-75-3**.**

J. Invenţii.

K. Contracte de cercetare.

1. Contract nr. 653/1990, Beneficiar: Institutul de Fizică Atomică Bucureşti - Cercetări privind realizarea traductorilor electrici de presiune, Responsabil contract: Dr. Horia Chiriac, Institutul de Fizică Tehnică Iaşi
2. Contract nr. 703/1990, Beneficiar: Institutul de Fizică Atomică Bucureşti - Cercetări privind realizarea de instalaţii de testare a caracteristicilor magnetice, Responsabil contract: Dr. Horia Chiriac – Institutul de Fizică Tehnică Iaşi
3. Contract nr. 8602/1991, plan intern, Universitatea Tehnică Iaşi - Identificarea Statistică a Proceselor, Responsabil contract: Prof. dr. ing. Gh. Livint.

4. Contract nr. 8506/1993, plan intern, Universitatea Tehnică Iaşi - Modelarea unor procese tehnice in vederea conducerii cu calculatoare numerice, Responsabil contract: Prof. dr. ing. Gh. Livint.
5. Contract nr. 36894/1994, Beneficiar: Ministerul Învăţământului, – Structuri şi algoritmi de reglare numerică a proceselor industriale, Responsabil contract: Prof. dr. ing. Gh. Livint.
6. Grant Intel Galileo, 2014 (responsabil grant).

L. Premii, distincţii.

M. Alte realizări semnificative.

Data, 18.10.2025 Nume, semnătura

* Conform H.G. 1175/ 2006

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **CAZACU MARIUS MIHAI**

A. Teza de doctorat.

Instituție: Universitatea „Alexandru Ioan Cuza" din Iași
Perioada: 2007 - 2010
Coordonator: Profesor Dr. Dorohoi Dana - Ortansa
Titlul tezei: Contribuţii la implementarea primei reţele lidar la scară naţională pentru caracterizarea optică a aerosolilor atmosferici
Titlul: DOCTOR în Fizică, diploma seria H nr. 0008105, Ordin 4387/ 06.06.2011

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Mireștean, C. C., Agop, M., **Cazacu, M. M**., Buzea, C. G., Prelipceanu, M., Iancu, R. I., & Iancu, D. T. (2022). Radiotherapy for pelvic malignancies in a COVID-19 pandemic scenario: Focus on rectal and cervical cancers. *Biomedical Engineering Applications for People with Disabilities and the Elderly in the COVID-19 Pandemic and Beyond*, 131–143, Capitolul 14, https://doi.org/10.1016/B978-0-323-85174-9.00006-6.
2. Mireștean, C. C., Agop, M., Buzea, C. G., **Cazacu, M. M**., Prelipceanu, M., Iancu, R. I., & Iancu, D. T. (2021). Radiotherapy challenges in COVID era. Biomedical Engineering Tools for Management for Patients with COVID-19, 41–72, Capitolul 3, https://doi.org/10.1016/B978-0-12-824473-9.00009-4
3. T.B. Coman, **M.M. Cazacu**, G. Apreotesei., M. Prelipceanu, I. Radinschi; In-person versus virtual activities: Assessing the usefulness and impact of simulated experiments, a case study, Biomedical Engineering Tools for Management for Patients with COVID-19, Capitol carte, Academic Press, 2021, Pages 73-86, ISBN 9780128244739, https://doi.org/10.1016/B978-0-12-824473-9.00004-5.
4. Buzea, C. G., Eva, L., Prelipceanu, **M., Cazacu**, M. M., Garofalide, S., & Agop, M. (2021). Coronavirus disease COVID-19 tracking the global outbreak. SEIR compartmental model applied to SARS-CoV-2 epidemic in Romania. Biomedical Engineering Tools for Management for Patients with COVID-19, 87–102, Capitolul 5, https://doi.org/10.1016/B978-0-12-824473-9.00002-1

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. **Cazacu M.M.**, Şchiopu C.E., Rădulescu C.M., Falotă D., Bodnariu A.I., Politică publică alternativă pentru măsurarea, îmbunătățirea şi păstrarea calităţii aerului ambiental: Propunere

de politică publică dezvoltată în cadrul proiectului „Politici publice alternative în domeniul calității aerului”, ISBN: 978-606-48-1175-2, StudIS, Iasi, 2024 – 109 pg

2. Irina Radinschi, **Marius Mihai Cazacu** - Physics 1 Quizzes - Performantica, Iasi, 2023, ISBN: 9786303280615

3. Capitole: “Îndrumar de lucrări practice pentru disciplina Fizică”, Ed. Performantica, 2023, ISBN: 978-630-328-060-8:
   a. **M. M. Cazacu**, Studiul proprietăților elastice. Studiul oscilațiilor, 9 pg.
   b. **M. M. Cazacu**, I. Radinschi, Oscilații amortizate. Oscilații forțate. Pendulul lui Pohl, 9 pg.
   c. **M. M. Cazacu**, I. Radinschi, Studiul fenomenelor specifice undelor electromagnetice. Microundele, 11 pg.
   d. **M. M. Cazacu**, Experimentul Franck și Hertz. Determinarea primului potențial de excitare la atomii de neon, 5 pg.
4. M. Voiculescu, S. Condurache-Bota, L. Sfîcă, **M.M. Cazacu**, Teste și întrebări de fizica atmosferei,meteorologie și climatologie, Editura: Ars Longa, ISBN 978-973-148-354-9, 2020
5. A. Ionce, I.S. Stratulat, A. Timofte, **M.M Cazacu**, Analiza unui areal natural de balneoclimatoterapie: Cacica, Județul Suceava, Capitol din Partea III-a al cărții: Balneclimatologia în România și Republica Moldova, coordonator I.S. Stratulat, Editura Academiei Române, ISBN 978-973-27-3005-8, 2018
6. A. Ionce, I.S. Stratulat, **M.M Cazacu**, A. Timofte, Analiza unui areal natural de balneoclimatoterapie: Cacica, Județul Suceava, Capitol din Partea III al cartii: Balneclimatologia Românească. Istoric și perspective europene, coordonator I.S. Stratulat, Editura Academiei Române, ISBN 978-973-27-2704-1, 2016
7. **M. M. Cazacu**, A. Timofte, G. Bulai, S. Gurlui, D. Nicolae, A. Nemuc. L. Belegante, C. Radu, Advanced optical temote sensors for airborne and spaceborne platforms, Capitol din cartea “Romanian projects nd initiatives in support of Earth Observation”, Editor D. Nicolae, Editura Tehnopress, ISBN 978-606-687-281-2, 2016

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

2025

1. Tanasa, I., Cazacu, M., Botan, D., Atkinson, J. D., Sebestyen, V., & Sluser, B. (2025). From Aerosol Optical Depth to Risk Assessment: A Novel Framework for Environmental Impact Statistics of Air Quality Using AERONET. Environments 2025, Vol. 12, Page 285, 12(8), 285. https://doi.org/10.3390/ENVIRONMENTS12080285
2. Drăgoi, L., Cazacu, M.-M., & Breabăn, I.-G. (2025). Evaluation of Scenarios for the Application of the Future PM2.5 and PM10 Standards: A Case Study of Three Urban Areas in Romania and Implications for Public Policies. Environments 2025, Vol. 12, Page 373, 12(10), 373. https://doi.org/10.3390/ENVIRONMENTS12100373
3. Ciocan, G., Nemuc, A., Belegante, L., & Cazacu, M. M. (2025). Mineral dust intrusions in Southeastern Romania: insights from seventeen years of sun photometer data. Journal of Optoelectronics and Advanced Materials, 27(July-August 2025), 354–367.
4. Drăgoi, L., Cazacu, M. M., & Breabăn, I. G. (2025). Analysis of the PM2.5/PM10 Ratio in Three Urban Areas of Northeastern Romania. Atmosphere, 16(6), 720. https://doi.org/10.3390/ATMOS16060720/S1
5. Ababei, R. V., Garofalide, S., Bulai, G., Dimitriu, G. D., Gurlui, S., & Cazacu, M. M. (2025). Unveiling the Correlation between Lyapunov Coefficients and Deep Learning

Performance Using Ceilometer Data. IEEE Geoscience and Remote Sensing Letters, 22, 1–5. https://doi.org/10.1109/LGRS.2025.3557150

2024

6. Roman, A.-M., Cimpoeșu, R., Pricop, B., **Cazacu, M. M**., Zegan, G., Istrate, B., Cocean, A., Chelariu, R., Moscu, M., Bădărău, G., Cimpoeșu, N., & Ivănescu, M. C. (2024). Investigations on the Degradation Behavior of Processed FeMnSi-xCu Shape Memory Alloys. Nanomaterials 2024, Vol. 14, Page 330, 14(4), 330. https://doi.org/10.3390/NANO14040330
7. **Cazacu, M. M**., Roșu, A. I., Ababei, R. V., Roșu, A., Vasincu, D., Nica, D. C., Rusu, O., Bruma, A. B., & Agop, M. (2024). Investigating Nonlinear Dynamics in Atmospheric Aerosols during the Transition from Laminar to Turbulent Flow. Atmosphere, 15(3). https://doi.org/10.3390/atmos15030366

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8. Bostan, D., Miclăuș, I., Apetroaie, C., Voiculescu, M., Timofte, A., & **Cazacu, M.-M.** (2023). Long-Range Transport Analysis Based on Eastern Atmospheric Circulation and Its Impact on the Dust Event over Moldavia , Romania in August 2022 Circulation and Its Impact on the Dust Event over Moldavia ,. Atmosphere, 14(August), 1366.
9. Dragoi (Oniu), L., Breabăn, I. G., & **Cazacu, M. M.** (2023). 2017 – 2020 trends of particulate matter PM10 concentrations in the cities of Suceava and Botoșani. Present Environment and Sustainable Development, 17(1), 335–349.
10. Tanasa, I., **Cazacu, M.**, & Sluser, B. (2023). Air Quality Integrated Assessment: Environmental Impacts, Risks and Human Health Hazards. Applied Sciences, 13(2). https://doi.org/10.3390/app13021222
11. Roman, A. M., Cimpoeșu, R., Pricop, B., Lohan, N. M., **Cazacu, M. M**., Bujoreanu, L. G., Panaghie, C., Zegan, G., Cimpoeșu, N., & Murariu, A. M. (2023). Influence of Dynamic Strain Sweep on the Degradation Behavior of FeMnSi–Ag Shape Memory Alloys. Journal of Functional Biomaterials, 14(7), 377. https://doi.org/10.3390/jfb14070377
12. Luţcanu, M., Munteanu, C., Kicsi, G., Roman, A. M., Croitoru, C. G., Prisecariu, B. A., **Cazacu, M. M**., Ştirbu, I., Chicet, D. L., & Cimpoeşu, N. (2023). Analysis of water jet cutting of metal-ceramic elements made through atmospheric plasma spraying technique. Materials Today: Proceedings, 72, 550–553. https://doi.org/10.1016/j.matpr.2022.10.037

2022

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96. Pelin, V., Rusu, O., Sandu, I. G., Vasilache, V., Gurlui, S., Sandu, A. V., **Cazacu, M. M**. & Sandu, I. G. G. (2017). Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi - Romania. IOP Conference Series-Materials Science and Engineering, Vol. 209, Issue 1, Article no. 012080 (pp.:1 - 8). https://doi.org/10.1088/1757-899X/209/1/012080
97. Covatariu, G., **Cazacu, M. M**., Radinschi, I., Ciocan, V., Fratiman, V., & Turcanu, F. E. (2017). Statistical survey of the outcome of effective use of computer simulations in students learning. EDULEARN Proceedings: 9th International Conference on Education and New Learning Technologies (EDULEARN17), (pp. 887–893). ISBN 978-84-697-3777-4.

2013

98. **M.M. Cazacu**, F. Unga, A. Mortier, P. Goloub, D. Dimitriu, S. Gurlui, Optical parameters analysis of mixtures of biomass-burning and urban aerosols: a case study, 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Jun, 2013, Timisoara, Romania;
99. **M.M. Cazacu**, F. Unga, N. Ajtai, H.I. Stefanie, A. Timofte, D. Dimitriu, S. Gurlui, Monitoring and analyses of Grímsvötn volcanic dust intrusion over northern Romania. LIDAR and AERONET considerations, 6th Workshop on Optoelectronic Techniques for Environmental Monitoring OTEM 2013, Jun, 2013, Timisoara, Romania;
100. O.G. Tudose, **M.M. Cazacu**, A. Timofte, D. Nicolae, S. Gurlui, I. Balin, May29, 2013 - a Saharan dust event over Iasi region, Romania. Remote sensing Observations and regional

dust modeling, 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Jun, 2013, Timisoara, Romania;

2011

101. **Marius Mihai Cazacu**, Adrian Timofte, Camelia Talianu, Doina Nicolae, Dan Gheorghe Dimitriu, Silviu Gurlui, Iasi County: Atmospheric volcanic ash cloud investigations. Modeling-forecast and experimental environmental approach, 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;
102. Ioan-Sorin Stratulat, **Marius-Mihai Cazacu**, Adrian Timofte, Dan-Gheorghe Dimitriu, Silviu Gurlui, Meteo-climatic factors influence upon Cacica salt-mines, Suceava county-natural climatic areal for medical rehabilitation treatment, 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;
103. Ioan-Sorin Stratulat, Adrian Timofte, **Marius-Mihai Cazacu**, Dan-Gheorghe Dimitriu, Silviu Gurlui, Cacica salt-mines, Suceava county: meteorological factors and balneary-climatic potential studies, 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;
104. Ovidiu-Gelu Tudose, **Marius-Mihai Cazacu**, Adrian Timofte, Ioan Balin, ESYROLIDAR system developments for troposphere monitoring of aerosols and clouds properties, SPIE Remote Sensing, 2011, Prague, Czech Republic;

2010

105. A. Timofte, **M.M. Cazacu**, D. Dimitriu, S. Gurlui, R. Radulescu, C. Talianu, Utilizarea sistemelor LIDAR in Romania pentru investigarea norului de cenusa provenit de la vulcanul EYJAFJALLAJOKULL, Sesiunea anuala de comunicari stiintifice, Administratia Nationala de Meteorologie, Bucuresti, Romania, 10 – 11 Noiembrie 2010;
106. Timofte, **M.M. Cazacu**, R. Radulescu, C. Talianu, D. Dimitriu, S. Gurlui, First Romanian LIDAR investigation of the EYJAFJALLAJOKULL volcanic ash, 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010, București, Romania;
107. **M.M. Cazacu**, A. Timofte, D. Dimitriu, S. Gurlui, Experimental validation of MAP 3D environmental data in NE region of Romania-Iasi area, 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010;

2009

108. **M. Cazacu**, I. Vetres, P. Ristori, P. Mark, O. Tudose, D. Nicolae, D. Dorohoi, I. Balin – mESYLIDAR – a new up-gradable and versatile LIDAR configuration for 3D monitoring of atmospheric aerosols, clouds and water vapor within ROLINET project, 3rd International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2009, 30 Septembrie – 2 Octombrie 2009;

2008

109. Adrian Covăsnianu, **Mihai Cazacu**, Alexis Merlaud, Joelle Bechara, Victor-Daniel Cărbunaru, Daniel-Eduard Constantin, Tropospheric exploration above Moldavia province: trace gas measurements ATR-42 flight AS0729 on the 16th of july 2007, The II^{sd} edition of the International Symposium - Present Environment end Sustainable Development, 2008;
110. M.M. Cazacu, V. Nica, H. Morawiec, Structure formation and its effect on properties of shape memory materials, Physics of Advanced Materials Winter School 2008

2007

111. A. Covasnianu, M. Cazacu, N. Libralesso, L.Galisson, M. Memier, I. Balin – Digital Terrain Model by airborne LIDAR technique: an essential tool for hydrologic risks assessment; 1st International Workshop on Optoelectronic Techniques for Environmental Monitoring and Risk Asseessment, Bucharest, Romania, 21– 24 May 2007;

2006

112. **Mihai Cazacu**, Eduard-Daniel Constantin, Adrian Covasnianu, Ioan Balin – O3, SO2 and NOx urban processes: point monitor measurement & interpretation in Bucharest – spring 2006; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Asseessment 31 iulie – 9 august 2006, Baia Mare, Romania;
113. Eduard-Daniel Constantin, Adrian Covasnianu, **Mihai Cazacu**, Ioan Balin - O3, SO2 and NOx urban processes: interpretation in Bucharest – May 2006; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Asseessment 31 iulie – 9 august 2006, Baia Mare, Romania.

J. Invenţii.

K. Contracte de cercetare.

Programme/Project	Position	Period	Administrated Budget
PN-III-P1-1.1-TE-2019-1921, Nano Air	Project coordinator	11.2020 – 10.2022	100.000 €
ARUT/GnaC2018_65 / 2019, MYAIR	Project coordinator	06.2019 – 05.2020	6.300 €
MySMIS / 111890/249/	Expert	03.2019 – 10.2019	180.000 €
STAR ROSA/114/07.11.2016, AIRFRAME	Researcher	07.2017 – 12.2018	330.000 €
STAR ROSA/114/07.11.2016, SATY	Researcher	07.2017 – 12.2018	160.000 €
STAR ROSA/114/07.11.2016, LEO	Researcher	11.2016 – 11.2017	1.000.000 €
STAR-ROSA/98/129.11.2013, DARLIOES	Research assistant	02.2014 – 12.2016	180.000 €
PN-II-PT-PCCA-2013-4-1798, MOBBE	Researcher	07.2014 – 12.2016	275.000 €
PN-II-PT-PCCA-2013-4-2074, LIRA	Researcher	07.2014 – 12.2016	231.033 €
CAPACITATI/RO-CERN, ELI-NP, E03/30.06.2014	Researcher	09.2014 – 07.2016	140.000 €
POSDRU /157/1.3/S/132731	Training Expert	05.2014 – 11.2015	650.000 €
POSDRU/89/1.5/S/63663	Postdoctoral Researcher	10.2011 – 09.2012	330.000 €
POSCCE/5710 (ID364)/93/02.02.2010	Research assistant	02.2010 – 02.2013	300.000 €
RADO – Norway Grants STVES 115266	PhD student possition	05.2009 – 04.2011	3.500.000 €
ROLINET, Proiect nr. 31-002/14.09.2007	PhD student possition	09.2007 – 09.2010	280.000 €

L. Premii, distincţii.

DE ADAUGAT PREMIUL TUIASI

1. Premiul pentru tânărul cercetător cu cele mai bune performante în cercetarea ştiinţifică, Zilele Universității Tehnice „Gheorghe Asachi” din Iași, 9 - 12 noiembrie 2021 2021
2. Premiul III: M.M. Cazacu, A. Timofte, O.G. Tudose, D. Dimitriu, S. Gurlui, I. Balin – ^{mESY}LIDAR – A new configuration for 3D monitoring of atmospheric aerosols and clouds, A XXXIX-a Conferinta Nationala Fizica si Tehnologiile Educationale Moderne, 15 Mai 2010, Iasi, Romania;
3. Premiul I: I. Vetres, I. Ionel, M.M. Cazacu, I. Balin – Necessity of complementar vertical resolved LIDAR observation towars ground air pollution analysis, in western Romania, International U.A.B. – B.E.N.A Workshop Management and Sustainable Protection of Environment, 6 -7 Mai 2009, Alba Iulia, Romania;

M. Alte realizări semnificative.

Data,
17.10.2025

Nume, semnătura
Cazacu Marius Mihai

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume: Răzvan-Dumitru Ceucă

A. Teza de doctorat.

Institutie: *Universidad del Pais Vasco, Bilbao, Spania*
Perioada: 2018-2022
Indrumator: Arghir-Dani Zărnescu (BCAM, Bilbao & IMAR, București) & Eugen Vărvărucă (UAIC, Iași)
Titlul tezei: Various results concerning homogenisation of nematic liquid crystals
Titlul: Doctor în Matematică (Cum Laudae, Doctorat Internațional), Registro Nacional de Titulos – 2022320736, Codigo de CENTRO – 48012838, Registro Universitario de Titulos – 202208062, susținută pe 17.10.2022, diplomă eliberată pe 02.11.2022

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

- Articole publicate în reviste cotate ISI

1. Ceucă, R.D., Taylor, J. M., Zărnescu, A. D., *Effective surface energies in nematic liquid crystals as homogenised rugosity effects.* Communications in Contemporary Mathematics, Volume 25, Issue 06, August 2023.
2. Ceucă, R.D., *Cubic microlattices embedded in nematic liquid crystals: a Landau-de Gennes study*. ESAIM: Control, Optimization and Calculus of Variations, Volume 27, Article Number 95, October 2021.

- Articole publicate în volume indexate ISI Proceedings

- Articole indexate în baze de date internaţionale

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

J. Invenţii.

K. Contracte de cercetare.

Membru în colectiv

1. Membru în calitate de student masterand în grantul de cercetare *Mathematical methods applied in the study of nonlinear mechanical systems,* PN-III-P1-1.1-TE-2016-2314, PI: Prof. Dr. Ionel-Dumitrel Ghiba, Universitatea Alexandru Ioan Cuza, Iași, România, 8 iulie 2019 – 31 octombrie 2019
2. Postdoc fellowship, Hausdorff Research Institute for Mathematics, Bonn, Germania, 7 ianuarie 2023 – 4 februarie 2023

L. Premii, distincţii.

M. Alte realizări semnificative.

Publicații în baze de date de preprinturi:

1. Rusconi, S., Schenk, C., Ceucă, R.D., Zărnescu, A.D., Akhmatskaya, E., *Complexity reduction of physical models: an equation-free approach by means of scaling*, arXiv, 2025.

Publicații pentru mediul preuniversitar:

1. Ceucă, R. D., Iacob, I., Plugariu, A., *Evaluare Națională pentru clasa a VIII-a. Matematică. Subiectul I. Algebră. Clasa a V-a*, 2025, editura Intuitext
2. Brumar, D., Cicu, I., Coroian, M. A., Olărașu, L., Ceucă, R. D., Iacob, I., Ciurcea, R., Mareș, S., *Matematică 5.1. Culegere*, 2024, editura Intuitext
3. Cicu, I., Smarandache, S., Iacob, I., Ceucă, R. D., *Matematică - Manual pentru clasa a V-a*, ediția 2022, Intuitext
4. Cicu, I., David, E. M., Iacob, I., Ceucă, R. D., *Matematică. Clasa a VIII-a*, Manual școlar, 2020, editura Intuitext
5. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A., *Matematică. Clasa a VII-a*, Manual școlar, 2019, editura Intuitext
6. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A., *Matematică. Suport teoretic și exerciții aplicative. Clasa a VI-a*, 2018, editura Intuitext
7. Cicu, I., Smarandache, S., Mareș, S., Iacob, I., Ceucă, R. D., *Culegere de matematică. Clasa a V-a,* 2017, editura Intuitext

Data, Nume, semnătura

* Conform H.G. 1175/ 2006

Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență Inginerie Management

Numele şi prenumele: **CIURARIU Gabriela**

A. Teza de doctorat.

DIAGNOZĂ ŞI PROGNOZĂ ÎN ANALIZA RENTABILITĂŢII ŞI RISCULUI FIRMEI, Universitatea „A.I.Cuza" Iaşi, 2003

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1.	**CIURARIU**, Gabriela, *Elemente de matematici aplicate în economie,* Editura TEHNICA-INFO, Chişinău, 2010, ISBN 978-9975-633-063-4
2.	**CIURARIU**, Gabriela, *Diagnostic economico-financiar-studii de caz,* Editura Libertatea, Panciova-Serbia-Novi Sad, 2007, ISBN 86-7001-183-2

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1.	**CIURARIU**, Gabriela, Cîndea, Moise, *Managementul financiar-contabil al firmei*, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2022, ISBN 978-606-687-505-9
2.	**CIURARIU**, Gabriela, *Noțiuni economice pentru ingineri*, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2021, ISBN 978-606-687-453-3
3.	**CIURARIU**, Gabriela, *Evaluarea întreprinderii. Elemente metodologice și aplicații*, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2013, ISBN 978-606-687-055-9
4.	**CIURARIU**, Gabriela, *Investiții*, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2012, ISBN 978-973-702-939-3
5.	**CIURARIU**, Gabriela, *Analiză economico-financiară*, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2011, ISBN 978-973-702-834-1
6.	**CIURARIU**, Gabriela, *Microeconomie,* Editura Sedcom Libris (cod CNCSIS 179), Iaşi, 2008, ISBN 978-973-670-262-4
	Alexandri, Cecilia, Chițea, Lorena, Leonte, Marie, Munteanu, Cătălin (coord.), *Reziliență, sustenabilitate și profitabilitate în sectorul agricol și spațiul rural,* Editura Academiei Române, București 2025, ISBN 978-973-27-4010-1
7.	**CIURARIU**, Gabriela, *Diagnoza şi prognoza rentabilităţii şi riscului firmei,* Editura Sedcom Libris (cod CNCSIS 179), Iaşi, 2005, ISBN 973-670-147-6
8.	Păduraru, Teodor, Jijie, Dumitru Tudor, Doncean, Marilena, Tavu, Georgiana (coord.), *Dezvoltarea economico-socială durabilă a euroregiunilor și a zonelor transfrontaliere,* Volum XXIV, Editura Tehnopress (cod CNCSIS 89), 2015, ISBN 978-606-687-222-5
9.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul XIV, Editura TERRA NOSTRA (cod CNCSIS 029), 2015, ISBN 978-973-8432-53-6

10.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul XIII, Editura TERRA NOSTRA (cod CNCSIS 029), 2014, ISBN 978-973-8432-53-6
11.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul XII, Editura TERRA NOSTRA (cod CNCSIS 029), 2013, ISBN 978-973-8432-53-6
12.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul XI, Editura TERRA NOSTRA (cod CNCSIS 029), 2012, ISBN 978-973-8432-53-6
13.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul IX, Editura TERRA NOSTRA (cod CNCSIS 029), 2010, ISBN 978-973-8432-53-6
14.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală,* Tomul VIII, Editura TERRA NOSTRA (cod CNCSIS 029), 2009, ISBN 978-973-8432-53-6
15.	Vlădeanu, Dorian, Toma, Ion, Gherasim, Ovidiu (coord.), *Progrese în teoria deciziei economice în condiţii de risc şi incertitudine*, vol. IX, Capitolul " Current theories and practices of modern economics", Iaşi, 2009, Editura Tehnopress (cod CNCSIS 89), Iaşi, 2009, ISBN 978-973-702-688-0
16.	Voinea, Gheorghe, Chirleşan, Dan (coord.), *Valenţe ale relaţiei oportunităţi investiţionale-active necorporale la nivel european,* Editura Universităţii "A.I.Cuza" (cod CNCSIS 136), Iaşi, 2008, ISBN 978-973- 703-333
17.	Bohatereţ, Valentin Mihai (coord.), *Studii şi cercetări de economie rurală- Convergenţe în cercetarea spaţiului rural*", Tomul VI, Editura TERRA NOSTRA (cod CNCSIS 029), 2007, ISBN 978-973-8432-85-7
18.	Bohatereţ, Valentin Mihai (coord.), *Spaţiul rural. Abordări multiple,* Volumul II, Editura TERRA NOSTRA (cod CNCSIS 029), 2006, ISBN 978-973-8432-53-6
19.	Talabă, Ion, Profir, Lucian, Covalinschi, Daniela (coord.), *Euroregiunile-prezent şi viitor*, Ed. Performantica (cod CNCSIS 85), Iaşi, 2005, ISBN 973-730-153-6

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1.	Mihaela-Nona Chilian, Marioara Iordan, Gabriela CIURARIU, *Green transition and the business sector in the European Union and Romania*, Holistica Journal of Business and Public Administration, ISSN L2067-9785, nr. 14/2023, DOI:10.2478/hjbpa-2023-0015
2.	Mihaela-Nona Chilian, Marioara Iordan, Gabriela **CIURARIU**, „*Economic vulnerability – concept and indicators"*, in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 28/2019, Romanian Academy Publishing House, Bucureşti, ISSN 1453-4061 (Categoria B+ CNCSIS), indexat EBSCO, ProQuest, REPEC International Database
3.	**CIURARIU**, Gabriela, „*Assessment of enterprise based on the method of ratios"*, in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 26/2017, Issue 2, Romanian Academy Publishing House, Bucureşti, ISSN

	1453-4061 (Categoria B+ CNCSIS), indexat EBSCO, ProQuest, REPEC International Database
4.	**CIURARIU**, Gabriela, *"Type of analysis of skills and labor mobility"* în International Journal of Economics &Law, ISSN 2217-5504, Issue 13/2015, pp. 16-19
5.	**CIURARIU**, Gabriela "*The utility rates in firm's profitability analysis*", in "Economy, Transdisciplinarity, Cognition", Vol. XVIII, Issue 1/2015, George Bacovia University Printing House, Bacău, ISSN 2067-5046 indexată ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), (Categoria B+ CNCSIS)
6.	**CIURARIU**, Gabriela, „*Profitability analysis based on income statement"*, in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 23/2014, Issue 2, Romanian Academy Publishing House, Bucureşti, ISSN 1453-4061 (Categoria B+ CNCSIS), indexat EBSCO, ProQuest, REPEC International Database
7.	Cîndea, Moise; **CIURARIU**, Gabriela, „*Management control and its role in enterprise"*, in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 23/2014, Issue 2, Romanian Academy Publishing House, Bucureşti, ISSN 1453-4061 (Categoria B+ CNCSIS), indexat EBSCO, ProQuest, REPEC International Database
8.	**CIURARIU,** Gabriela "*The diagnosis Du Pont de Nemours in company*", în revista "Economy, Transdisciplinarity, Cognition", Vol. XVIII, Issue 2/2015, George Bacovia University Printing House, Bacău, ISSN 2067-5046, indexată ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), (Categoria B+ CNCSIS)
9.	**CIURARIU**, Gabriela, *"Model analysis of fixed assets"* în International Journal of Economics &Law, Issue 12/2014, ISSN 2217-5504, pp. 41-48
10.	Cîndea, Moise; Cîndea, Iuliana-Marina; **CIURARIU,** Gabriela; Trifu, Alexandru; Durdureanu Corneliu, „*The old versus de new Optimum Currency Area Theory*", in EBMM 2011, ***2011*** *International Conference on Economics, Business and Marketing Management*, Publisher: Institute of Electrical and Electronics Engineers, Inc., *Shanghai, China*, IEEE Catalog Number: CFP1149M-ART; ISBN: 978-1-4244-9545-0, IEEE Catalog Number: CFP1149M-PRT, ISBN: 978-1-4244-9543-6 Thomson ISI Proceedings
11.	Cîndea, Moise; Cîndea, Iuliana-Marina; **CIURARIU,** Gabriela; Trifu, Alexandru; Durdureanu Corneliu, „*History of accountancy. A chronological approach*", International Proceedings of Economics Development and Research, ISSN 2010-4626, Volume 11, March 2011, pp. 18-24, Hong-Kong, Thomson ISI Proceedings
12.	Cîndea, Moise, **CIURARIU**, Gabriela, *Values of the EU Accounting Profession"*, in Economic Sciences Series Volume XI, Issue 2, Year 2011, Ovidius University Press, Constanţa, ISSN 1582-9383- revistă cotată B+ CNCSIS, recenzat de bazele de date internaţionale DOAJ, REPEC, EBSCO
13.	Cîndea, Moise, Cîndea, Iuliana Marina, **CIURARIU**, Gabriela Corneliu Durdureanu, *Significant Historic Reference Points on Accountancy at Global Level*, în Annals of Ovidius University of Constanta, nr. 1//2011, Economic Sciences Series – revistă cotată CNCSIS B+ și indexată REPEC, DOAJ, EBSCO, CABELL
14.	**CIURARIU**, Gabriela, Cîndea, Moise, *Mergers and acquisitions in the current economic*, în Anuarul Institutului de cercetări economice Gheorghe Zane, Nr. 20/2011, Ed. Academiei Române - revistă cotată CNCSIS B+, indexat EBSCO, ProQuest, REPEC International Database
15.	**CIURARIU**, Gabriela, Cîndea, Moise, *Impact on the rate of the Euro area economy*, în Anuarul Institutului de cercetări economice Gheorghe Zane, Nr. 20/2011, Ed. Academiei Române - revistă cotată CNCSIS B+, indexat EBSCO, ProQuest, REPEC International Database

16.	**CIURARIU**, Gabriela, Cîndea, Moise, *The Role of SMEs in the current economic configuration*, în revista "Economy, Transdisciplinarity, Cognition", nr. 2/2011, George Bacovia University Printing House, Bacău - revistă cotată CNCSIS B+, indexat RePec, Index Copernicus, DOAJ
17.	**CIURARIU**, Gabriela, Cîndea, Moise, "*Mergers and acquisitions – tax aspects*", în revista "Economy, Transdisciplinarity, Cognition", nr. 2/2011, George Bacovia University Printing House, Bacău - revistă cotată CNCSIS B+, indexat RePec, Index Copernicus, Directory of Open Access Journals
18.	Andrei, Dalina Maria, **CIURARIU**, Gabriela "*Tourism current developments in Romania*", în revista "Economy, Transdisciplinarity, Cognition", Vol. XII, Issue 2/2009, George Bacovia University Printing House, Bacău, indexată în baze date internaţionale ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), (Categoria B+ CNCSIS)
19.	**CIURARIU**, Gabriela, „*The foreign direct investment flow within the extended EU area"*, ", in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 17/2008, Romanian Academy Publishing House, Bucureşti, ISSN 1453-4061 (Categoria B+ CNCSIS) indexat EBSCO, ProQuest, REPEC International Database
20.	**CIURARIU**, Gabriela, „*The adjustment the accounting policies face risk of bankruptcy"*, ", in The Yearbook of the "Gh. Zane" Institute for Economis and Social Research Iaşi, Volume 17/2008, Romanian Academy Publishing House, Bucureşti, ISSN 1453-4061 (Categoria B+ CNCSIS) indexat EBSCO, ProQuest, REPEC International Database
21.	Ştefura, Gabriel, **CIURARIU,** Gabriela, „*Financing the firm. Some issues of debate"***,** Scientific Annals of the "Alexandru Ioan Cuza" University of Iasi: Economic Sciences Series Year**:** 2007, Volume 54, indexată în baze date internaţionale EBSCO, EconLit, Directory of Open Access Journals (DOAJ), Cabell's, REPEC International Database
22.	**CIURARIU,** Gabriela, „*Ameliorarea rentabilităţii şi solvabilităţii – posibilităţi şi restricţii"***,** în volumul "România în Uniunea Europeană. Potenţialul de convergenţă" supplement of Theoretical and Applied Economics 01/2006, 4(499), **,** ISSN 1841-8678 indexată în baze date internaţionale RePEc, DOAJ, EconLit, EBSCO Publishing, ICAAP (Categoria B+ CNCSIS)
23.	**CIURARIU,** Gabriela, Ştefura Gabriel, „*The Effect of International Acquisitions on the Structure of the Capital"* , Scientific Annals of the "Alexandru Ioan Cuza" University of Iasi: Economic Sciences Series Year**:** 2006, Volume 52-53, indexată în baze date internaţionale EBSCO, ICAAP, EconLit, DOAJ, Cabell's, REPEC International Database (Categoria B+ CNCSIS)
24.	**CIURARIU**, Gabriela, *"Determining factors of the enterprise liquidity",* în revista "Economy, Transdisciplinarity, Cognition", George Bacovia University Printing House, Bacău, indexată în baze date internaţionale ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), Issue no 1/2005, ISSN 1454-5675 (Categoria B+ CNCSIS)
25.	**CIURARIU**, Gabriela, **„***Valenţe ale diagnosticului economico-financiar",* în revista "Economy, Transdisciplinarity, Cognition", George Bacovia University Printing House, Bacău, indexată în baze date internaţionale ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), Issue no 2/2004, ISSN 1454-5675 (Categoria B+ CNCSIS)
26.	**CIURARIU**, Gabriela, *„Consideraţii privind rolul prognozei în analiza economico-financiară",* în revista "Economy, Transdisciplinarity, Cognition", George Bacovia

	University Printing House, Bacău, indexată în baze date internaţionale ProQuest, Cabell's, Directory of Open Access Journals (DOAJ), Issue no 2/2004, ISSN 1454-5675 (Categoria B+ CNCSIS)
27.	**CIURARIU,** Gabriela, „*Valenţe fiscale ale fuziunilor şi achiziţiilor de întreprinderi"***,** în Volumul "Lucrări ştiinţifice", USAMV, Seria Horticultură**,** indexat în baza de date internaţională CAB International UK, Editura "Ion Ionescu de la Brad", An L, Vol. 1 (50), Iaşi, 2007, ISSN 1454-7376 (Categoria B+ CNCSIS)
28.	**CIURARIU,** Gabriela, „*Aspects on the financing of company"***,** în volumul Lucrări Ştiinţifice- Seria Horticultură, indexat în baza de date internaţională CAB International UK, Editura "Ion Ionescu de la Brad", An L, Vol. 1 (50), Iaşi, 2007, ISSN 1454-7376 (Categoria B+ CNCSIS)
29.	**CIURARIU,** Gabriela, „*Valenţe ale relaţiei rentabilitate-risc"***,** Volumul "Agriculture-between tradition and intensivisation", Lucrări ştiinţifice USAMV, seria Agricultură, Editura „Ion Ionescu de la Brad", Iaşi, 2006, vol. 49, ISSN 0379-7864 recenzat de baza de date internaţională CAB International, Copernicus International, Genamics Journal Seek Database (Categoria B+ CNCSIS)

G. Lucrări ştiinţifice publicate în reviste din străinătate.

1.	**CIURARIU**, Gabriela, *"Type of analysis of skills and labor mobility"* în International Journal of Economics &Law, ISSN 2217-5504, Issue 13/2015, pp. 16-19
2.	**CIURARIU**, Gabriela, *"Model analysis of fixed assets"* în International Journal of Economics &Law, Issue 12/2014, ISSN 2217-5504, pp. 41-48

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1.	Marioara IORDAN, Mihaela-Nona CHILIAN, Gabriela **CIURARIU**, *Medium-Term Demographic and Economic Transition in the Macro-Region 1 of Romania*, în volumul INTERNATIONAL SCIENTIFIC EVENT ECONOMY-HISTORY-SOCIETY -5-th editionRegional sustainable development through competitiveness, inovation and human capital -XII edition, Vasile Goldiș Western University of Arad, Romanian Academy, 6-7 November 2025
2.	Gabriela **CIURARIU**, Marioara IORDAN, Mihaela-Nona CHILIAN,*The labor market in Romania, a challenge for young people*, în volumul 13th International Conference EUROPEAN PERSPECTIVES ON THE LABOUR MARKET – INNOVATION, COMPETENCES, PERFORMANCE – MOVING TOWARDS THE NEW NORMAL, 20th — 21th November 2025, Bucharest
3.	Gabriela **CIURARIU**, *Analysis of the company's profitability using the rate method*, în volumul International Conference Knowledge Economy-Challenges of the 21st Century-Europe strategic choices in the face of global Challenges, Pitești, 27 november 2025
4.	Marioara IORDAN, Mihaela-Nona CHILIAN, Gabriela **CIURARIU**, Vanesa Mădălina TEODORESCU „*Tourism Development in the North-East Region of Romania: What the Tourism Indicators Reveal*", în volumul conferinței internaționale "Reziliență, sustenabilitate și profitabilitate în sectorul agricol și spațiul rural", Institutul de Economie Agrară al Academiei Române, 5 decembrie 2024, București
5.	Gabriela **CIURARIU**, *Values of auditing company after the covid-19 pandemic*, în volumul The 9th Edition of the International Conference TRENDS IN THE

	CURRENT ECONOMIC ENVIRONMENT 12-13 December, 2024, Hyperion" University Bucharest
6.	Marioara IORDAN, Mihaela-Nona CHILIAN, Gabriela CIURARIU Resilience of the Romanian Regions and Counties: A Medium-Term View, în volumul The 10-th International Conference REGIONAL SUSTAINABLE DEVELOPMENT – THROUGH COMPETITIVENESS, INNOVATION AND HUMAN CAPITAL, 26 October 2023, Baia Mare
7.	Marioara IORDAN, Mihaela-Nona CHILIAN, Gabriela CIURARIU, *SOME RECENT DEMOGRAPHIC AND OCCUPATIONAL TRENDS IN THE ROMANIAN LABOUR MARKET*, 11th International Conference European Perspectives on the Labour Market, 28-29 november 2023, București
8.	Gabriela CIURARIU, *The financing of Romanian companies before and after the onset of the Covid 19 pandemic*, International Conference Inclusive and sustainable economic growth. Challenges, measures and solutions, Transilvania University of Brașov, Romania, 27 May-2021
9.	Teodor Paduraru, Gabriela **Ciurariu,** *The navigable Prut:a postponed desideratum, ,* în volumul "The 15-th International Conference Sustainable Economic and Social Development of Euroregions and Cross-Border Areas", 25 october 2019 Iasi
10.	Teodor Paduraru, Gabriela **Ciurariu,** *Perspectives for developing the Romanian village through rural tourism,* în volumul Conferintei Internationale"Turismul rural romanesc in context international. Actualitate si perspective, Editia a XXI-a*",* 23-25 mai 2019 Vatra Dornei
11.	Marioara Iordan, Mihaela-Nona Chilian, Gabriela **CIURARIU**, *THE SAVING AND LOAN - ENGAGING BEHAVIOR OF ROMANIAN HOUSEHOLDS AND COMPANIES: DEVELOPMENTS AT REGIONAL AND COUNTY LEVELS AFTER THE ACCESSION TO THE EU*, în volumul INTERNATIONAL CONFERENCE ECONOMY – HISTORY – SOCIETY, 06-09 November 2019 CAREI, ROMANIA
12.	**CIURARIU**, Gabriela, *Developments in labour mobility in Eastern Europe,* în volumul 5th International Conference *Recent Advances in Economic and Social Research*, Bucuresti, 23-24 mai 2019
13.	Iordan, M, Chilian, M.N.,Pavel, E., CIURARIU G, International migration, balancing factor on the European labor market, în volumul Conferinţei Internaţionale "Perspective europene ale pieței muncii – Inovare, Competențe, Performanță – 24- 25 noiembrie 2016, București
14.	Cîndea, Iuliana-Marina; Cîndea, Moise; **CIURARIU,** Gabriela „*Values of single currency euro area economy*", în volumul XXIV al Conferinței Internaționale Dezvoltarea economico-socială durabilă a euroregiunilor și a zonelor transfrontaliere", Iași, 6 noiembrie 2015, Editura Tehnopress
15.	**CIURARIU**, Gabriela, *"Type of analysis of skills and labor mobility"* în Proceedings of 4-th International Conference "Law, economy and management in modern ambience*",* Belgrade, Serbia, 2015, ISBN 978-86-xxxxx-xx-x, Volume I, pp. 290-298
16.	**CIURARIU**, Gabriela, *"Model analysis of fixed assets"* în în Proceedings of 4-th International Conference "Law, economy and management in modern ambience*",* Belgrade, Serbia, 2015, ISBN 978-86-xxxxx-xx-x, Volume I, pp. 298-307
17.	Cîndea, Moise, **CIURARIU**, Gabriela, *Fundamental ethical principles of accounting profession,* în volumul "*2nd International Conference "Economics and Management-Based on New Technologies "EMoNT 2012",* Vrnjačka Banja, Serbia, 2012

18.	**CIURARIU**, Gabriela, *"Evolution of investment in the context of economic crisis"* în volumul "*2nd International Conference "Economics and Management-Based on New Technologies "EMoNT 2012",* Vrnjačka Banja, Serbia, 2012
19.	Cîndea, Moise; Cîndea, Iuliana-Marina; **CIURARIU,** Gabriela; Trifu, Alexandru; Durdureanu Corneliu, „*The old versus de new Optimum Currency Area Theory*", in EBMM 2011, ***2011*** *International Conference on Economics, Business and Marketing Management,* Publisher: Institute of Electrical and Electronics Engineers, Inc., *Shanghai, China,* IEEE Catalog Number: CFP1149M-ART; ISBN: 978-1-4244-9545-0, IEEE Catalog Number: CFP1149M-PRT, ISBN: 978-1-4244-9543-6 Thomson ISI Proceedings
20.	Cîndea, Moise, Cîndea Iuliana Marina, Gabriela **CIURARIU**, Alexandru Trifu şi Corneliu Durdureanu, *History of accountancy. A chronological approach*, 2011 International Conference on Financial Management and Economics, 2-3 iulie 2011, Hong Kong, China, Thomson ISI Proceedings, ISSN 2010-4626
21.	Cîndea, Moise, **CIURARIU**, Gabriela, *Values of the EU Accounting Profession,* în volumul "*The International Conference "Present issues of Global Economy" - 8th Edition - APRIL 15th-16th, 2011, Constanţa, Romania,* ISSN 1582-9383
22.	**CIURARIU**, Gabriela, Cîndea, Moise *SME In The Configuration Of The Current Economic,* în volumul "1st International Conference. Economics and Management-Based on New Technologies EMoNT 2011*",* Kladovo, Serbia, 2011
23.	**CIURARIU**, Gabriela, Cîndea, Moise *Accounting Methods Of Evaluation Of The Enterprise,* în volumul "1st International Conference. Economics and Management-Based on New Technologies EMoNT 2011*",* Kladovo, Serbia, 2011
24.	Cîndea**,** Moise, **CIURARIU**, Gabriela, *Significant Historic Reference Points on Accountancy at Global Level*, în volumul "*The International Conference "Present issues of Global Economy" - 8th Edition - APRIL 15th-16th, 2011, Constanţa, Romania*, ISSN 1582-9383
25.	**CIURARIU,** Gabriela, *"Bancruptcy risk and accounting measures"*, în volumul "2nd International Conference. Application of new technologies in management- ANTIM 2010-Proceedings vol. I", University of Business Academy, Novi Sad, Serbia, 2010
26.	**CIURARIU,** Gabriela, "*Competitiveness, business environment and small and medium companies*", în volumul "2nd International Conference. Application of new technologies in management- ANTIM 2010- Proceedings vol. II", University of Business Academy, Novi Sad, Serbia, 2010
27.	**CIURARIU**, Gabriela, Ştefura Gabriel, "*Valenţe ale relaţiei oportunităţi investiţionale-active necorporale la nivel european*", în volumul "Guvernarea în noile ţări membre UE-reguli sau strategii", Editura Universităţii "A.I.Cuza" Iaşi, 2007, ISBN 978-973-703-228-7, volum editat cu prilejul Conferinţei internaţionale FIBAS "Universitatea europeană în contextul globalizării - optimizarea implementării procesului Bologna la ciclul II de studii (master) în universităţile din Romania", Universitatea "A.I.Cuza" Iaşi, 25-27 octombrie 2007
28.	**CIURARIU**, Gabriela, "*Estimarea fluxurilor de numerar aferente proiectelor de investiţii*", în volumul Simpozionului "Analiza economico-financiară a întreprinderii în contextul aplicării Declaraţiei de la Bologna", Timişoara, 19-21 mai 2006
29.	**CIURARIU**, Gabriela, "*Ameliorarea rentabilităţii şi solvabilităţii – posibilităţi şi restricţii*", în volumul Simpozionului anual al AGER, Iaşi, 2 iunie 2006, ISSN 1841-8678
30.	**CIURARIU**, Gabriela, "*Factori determinanţi ai structurii capitalului întreprinderii*", în volumul "Probleme actuale ale dezvoltării social-economice a Republicii Moldova şi experienţe de dezvoltare a altor ţări", Editura Universităţii de Stat din Moldova,

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31.	**CIURARIU**, Gabriela, „*Determinarea valorii de piaţă a întreprinderii*", în volumul "Probleme actuale ale dezvoltării social-economice a Republicii Moldova şi experienţe de dezvoltare a altor ţări", Editura Universităţii de Stat din Moldova, 2007, ISBN 978-9975-70-171-6, volum editat cu prilejul Conferinţei ştiinţifice internaţionale "Probleme actuale ale dezvoltării social-economice a Republicii Moldova şi experienţe de dezvoltare a altor ţări", Chişinău, Moldova, 24-25 noiembrie 2006
32.	**CIURARIU**,, Gabriela, „*Analiza diagnostic şi exigenţele gestiunii economice*", în volumul "Probleme actuale ale dezvoltării social-economice a Republicii Moldova şi experienţe de dezvoltare a altor ţări", Editura Universităţii de Stat din Moldova, 2007, ISBN 978-9975-70-171-6, volum editat cu prilejul Conferinţei ştiinţifice internaţionale "Probleme actuale ale dezvoltării social-economice a Republicii Moldova şi experienţe de dezvoltare a altor ţări", Chişinău, Moldova, 24-25 noiembrie 2006
33.	**CIURARIU**, Gabriela, "*Diagnoză şi prognoză în analiza economico-financiară*", în volumul Simpozionului "Analiza economico-financiară a întreprinderii în contextul aplicării Declaraţiei de la Bologna", Cluj-Napoca, 27-29 mai 2005
34.	**CIURARIU**,, Gabriela, "*Analiza economico-financiară – instrument de evaluare a performanţelor firmei*", în volumul Simpozionului "Analiza economico-financiară a întreprinderii în contextul aplicării Declaraţiei de la Bologna", Cluj-Napoca, 27-29 mai 2005
35.	**CIURARIU**,, Gabriela, "*L'analyse diagnostique et les exigences de la gestion économique*", în volumul "Economia românească în contextual integrării europene", Editura Junimea, Iaşi, 2005, volum editat cu prilejul celei de-a XV-a Sesiuni Ştiinţifice a Facultăţii de Economie, Universitatea "Petre Andrei" Iaşi în colaborare cu Institutul de Economie Naţională a Academiei Române, Iaşi, 17-19 mai 2005
36.	**CIURARIU**,, Gabriela, "*Quelques considérations concernant le rôle de la prognose dans l'analyse économique et financière*", în Anuarul Universităţii "Petre Andrei" Iaşi, Tomul XV, Partea a II-a, Editura Junimea, Iaşi, 2005, volum editat cu prilejul celei de-a XV-a Sesiuni Ştiinţifice a Facultăţii de Economie, Universitatea "Petre Andrei" Iaşi în colaborare cu Institutul de Economie Naţională a Academiei Române, Iaşi, 20-21 mai 2005
37.	**CIURARIU**,, Gabriela, "*Valenţe ale diagnosticului economico-financiar*", în volumul Simpozionului internaţional „Ştiinţele economice în perspectiva integrării europene", Bacău, 9-10 decembrie 2004
38.	**CIURARIU**,, Gabriela, "*Consideraţii privind rolul prognozei în analiza economico-financiară*", în volumul Simpozionului internaţional „Ştiinţele economice în perspectiva integrării europene", Bacău, 9-10 decembrie 2004
39.	**CIURARIU**,, Gabriela, "*Surse de finanţare pentru ţările Europei Centrale şi de Est*", în volumul XII Cortep Wazs for the Future and Leather Science and Engineering, Section Economy and Marketing Applied in Textile & Leather Industry, „Gh. Asachi" Technical University, Iaşi, Editura Performantica (cod CNCSIS 85), Iaşi, 2002, ISBN 973-8075-46-7, Proceedings of The XII-th Textile and Leather International Conference, Faculty of Textile and Leather Industry, Iaşi, october 17-19, 2002
40.	**CIURARIU**, Gabriela, "*Rolul diagnosticului în procesul decizional*", în volumul "XII Cortep Wazs for the Future and Leather Science and Engineering, Section Economy

	and Marketing Applied in Textile & Leather Industry, „Gh. Asachi" Technical University, Iaşi", Editura Performantica (cod CNCSIS 85), Iaşi, 2002, ISBN 973-8075-46-7, Proceedings of The XII-th Textile and Leather International Conference, Faculty of Textile and Leather Industry, Iaşi, october 17-19, 2002
41.	**CIURARIU**, Gabriela, "*Opinii privind costurile şi performanţele economico-financiare ale firmei*", în volumul "Economia românească: present şi perspective", Suceava, 2003, ISBN 973-8293-57-X, editat cu prilejul Sesiunii ştiinţifice internaţionale „Economia românească prezent şi perspective", Suceava, 28-29 iunie, 2002
42.	**CIURARIU**, Gabriela, "*Analiza marginală în studiul performanţelor firmei*", în volumul editat cu ocazia Zilelor Universităţii "A.I.Cuza" Iaşi, Sesiune internaţionala de comunicări ştiinţifice, Facultatea de Economie şi Administrarea Afacerilor, octombrie 2001
43.	**CIURARIU**, Gabriela, "*Reforma sistemului fiscal românesc – coordonată a trecerii la economia de piaţă*", în volumul editat cu ocazia Zilelor Universităţii "A.I.Cuza" Iaşi, Sesiune internaţionala de comunicări ştiinţifice, Facultatea de Economie şi Administrarea Afacerilor, octombrie 2001
44.	**CIURARIU**, Gabriela, "*Finanţe şi fiscalitate la nivel microeconomic*", în volumul "Managementul tranziţiei", Editura Niculescu 2000, ISBN 973-568-443-8, volumul editat cu ocazia Seminarului internaţional "Managementul tranziţiei", Universitatea "Valahia" Târgovişte, 27-28 octombrie 2000
45.	**CIURARIU**, Gabriela, "*Integrarea României în UE-decalaje şi oportunităţi*", în volumul "Managementul tranziţiei", Editura Niculescu 2000, ISBN 973-568-443-8, volum editat cu ocazia Seminarului internaţional "Managementul tranziţiei", Universitatea "Valahia" Târgovişte, 27-28 octombrie 2000

J. Invenţii.

K. Contracte de cercetare.

1.	Proiectul PN2 – Capacităţi **"*Model funcţional de estimare a dimensiunii forţei de muncă real disponibile în mediul rural", DALFI,*** nr. 2001 din 15.09.2008, Institutul de Cercetări Economice şi Sociale „Gh. Zane", Iaşi în parteneriat cu: Institutul de Economie Agrară Bucureşti - Academia Română (coordinator), perioada de implementare: 15.09.2008 -15.09.2010
2.	Proiectul ***"Utilități și mediu la standarde europene",*** 13704/792 din 19.09.2013, încheiat între Primăria Municipiului Rădăuți și Asociația Generală a Economiștilor din Romania/ASOEC Moldova, în valoare de 15000 Euro, derulat pe perioada 2013-2014
3.	Proiectul CEEX-PN2, Contract nr. 2569/15.09.2007, **"*Elaborarea şi implementarea unor modele de exploataţii apicole viabile în contextul economic european*"**, Contractor: USAMV Iaşi, Subcontractori: ICDA Bucureşti, Institutul de Cercetări Economice şi Sociale "Gh. Zane", Iaşi, perioada de implementare: 15.09.2007 - 15.09.2010
4.	Proiectul CEEX P-CD-Parteneriate „***Evaluarea stadiului actual şi a potenţialului de dezvoltare a producţiei legumicole ecologice în zona de Nord Est a României"*** – PRODLECO, 31/12.01.2006, Institutul de Cercetări Economice şi Sociale „Gh. Zane", Iaşi, în parteneriat cu Universitatea de Ştiinţe Agricole şi Medicină Veterinară „Ion Ionescu de la Brad" (U.Ş.A.M.V.) Iaşi (coordonator), perioada de implementare 12.01.2006-15.10.2008
5.	Proiectul CEEX-M3-C3-12413-IEA, ASE, ICES, Contract nr. 124/2006, ***„Promovarea convergenţei regionale-modernizarea potenţialului ştiinţific în***

	***domeniul dezvoltării rurale*"**, Autoritatea contractantă MEC, Contractor: Institutul de Economie Agrară, perioada de implementare: 2006-2008
6.	Programul CEEX-C1-M105-D8-24/05.10.2005, **"*Creşterea economică, ocuparea şi competitivitatea în economia bazată pe cunoaştere*"**, Autoritatea contractantă: Institutul de Fizică Atomică, Contractor: Institutul de Prognoză Economică, perioada de implementare: 2005-2008
7.	Programul CEEX – MIII – Proiect PRO-CESIPAF, **"*Promovarea si valorificarea cercetarii stiintifice interdisciplinare in domeniul diagnozei si prognozei in afaceri publice si private prin colaborare europeana si internationala -PRO-CESIPAF (2006-2007)",*** contract nr. 37/CEEX/MIII/CORINT, Autoritatea contractantă CNMP din cadrul MEC/ANSTI, perioada de implementare: 2006-2007
8.	Grant CNCSIS, Tip A Nr.1581/2005, Cod **1581 "*Analiza web-pedagogy şi dezvoltarea strategiilor de învăţare interactivă în cadrul procesului de educare a adulţilor (w-p-way)*"** , Autoritatea contractantă: Universitatea "A. I. Cuza" Iaşi, Valoare 19000 RON, perioada de implementare: 2005-2008

Data,
22.12.2025



* Conform H.G. 1175/ 2006

Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență Inginerie Electrică

Numele şi prenumele: **Ghindă Iulian Dumitru**

Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale:

Iulian Ghinda, Codrin Donciu – OFDM Benchmark for Demodulation Impairments Evaluation, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Iulian Ghinda, Codrin Donciu –OFDM based on FFT decoder with non-integer argument, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Eugen Harasim, **Iulian Ghinda**, Codrin Donciu –Video coordination system for textile manufacturing process, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Eugen Harasim, **Iulian Ghinda**, Codrin Donciu – Mini patterns algorithm for industrial applications, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Catalin Damian, Daniel Grigorescu, **Iulian Ghinda**, Maria Robu – Using Mono and Stereo Camera System for Static and Moving Objects Detection, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, Conference Paper, Publisher : IEEE

Iulian Ghinda, Codrin Donciu - Distance measurements using 40L16 ultrasonic sensors, 2020 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Iulian Ghinda, Codrin Donciu - Distance measurement using the sound card of a computer and two microphones, 2021 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE

Data, 14.10.2025 Ghindă Iulian Dumitru



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Dănăilă Vanda - Ligia

A. Teza de doctorat.
Contribuţii privind tehnologia şi utilajul de deformare plastică prin metoda electrohidraulică, Universitatea Tehnică "Gheorghe Asachi" din Iaşi, 1999

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.
Dănăilă , V. L. - Practical Geometry, LAP Lambert Academic Publishing, 2013

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

- Prună, L., Anghel, A. A., Dănăilă V. L., Slonovschi, A., Bazele desenului tehnic industrial, Ed. Performantica, 2022
- Dănăilă, V. L. – Descriptive Geometry, Ed. PIM, 2019
- Dănăilă, V. L. – Infografică pentru desen tehnic, Ed. PIM, 2016
- Dănăilă, V. L., Anghel, A., Antonescu, I., Prună, L., Romanescu, C., Slonovschi, A. – Infografică. Aplicaţii în desenul tehnic industrial, Ed. PIM, 2008
- Slonovschi, A., Anghel, A., Antonescu, I., Dănăilă, V. L**.**, Prună, L., Romanescu, C. - Infografică. Îndrumar de laborator, Ed. PIM, 2007
- Dănăilă, V. L., Anghel, A. – Descriptive Geometry, Ed. Tehnopress, 2006
- Anghel, A., Dănăilă, V. L. – Geometrie descriptivă, Ed. Performantica, 2004
- Susan, M., Zaharia, L., Dănăilă, V. L. – Prelucrări plastice speciale, Ed. „Gh. Asachi", 2000
- Popa, C., Strobel, Gh., Onofrei, L., Romanescu, C., Anghel, A., Dănăilă, V. L., Antonescu, I., Prună – Desen tehnic. Desen industrial şi elemente pentru desenul de instalaţii, Ed. "Gh. Asachi", 1996

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

- Anghel, A., Dănăilă, V. L. – Geometrie descriptivă, Ed.AS'S, 2002
- Eftimescu, C., Dănăilă, V. L. – Technical Drawing for Constructions. Civilian Buildings, Rotaprint Universitatea Tehnică Iaşi, 1995
- Popa, C., Onofrei, L., Popa, I., Onofrei, V., colaboratori la traducere Silion, R., Dănăilă, V. L. – Descriptive Geometry - Course, Rotaprint Universitatea Tehnică Iaşi, 1992

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
Dănăilă, V. L. – Descriptive Geometry – platforma www.learning.tuiasi.ro, 2018

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

- Dănăilă, V. L., Ignătescu – Manea, I. – Influence of parameters of the electro-hydraulic deforming equipment on the geometric characteristics of workpiece - JIDEG Journal of Industrial Design and Engineering Graphics, no. 19 (Special issue), Cluj-Napoca, 2024
- Ignătescu – Manea, I., Dănăilă, V. L. – Study on improving the teaching methods of graphic disciplines after the pandemic - JIDEG Journal of Industrial Design and Engineering Graphics, no. 19 (Special issue), Cluj-Napoca, 2024
- Anghel, A. A., Dănăilă, V. L. – Online teaching of graphic courses in the pandemic, JIDEG Journal of Industrial Design and Engineering Graphics http://sorging.ro/jideg/index.php/jideg, 2023
- Dănăilă, V. L., Anghel, A. A. – Considerations on the shape of discharging chambers for the electro-hydraulic deforming method, JIDEG Journal of Industrial Design and Engineering Graphics http://sorging.ro/jideg/index.php/jideg, 2022
- Dănăilă, V. L., Anghel, A. A. – Graphical and analytical approach of cylindrical – conical intersections, JIDEG Journal of Industrial Design and Engineering Graphics, no. 14 (Special issue), Craiova, 2019
- Anghel, A. A., Dănăilă, V. L. – An educational application of graphic facilitation, JIDEG Journal of Industrial Design and Engineering Graphics, no. 14 (Special issue), Craiova, 2019
- Dănăilă, V. L., Anghel, A. A. – Methods to develop a toroidal surface, JIDEG Journal of Industrial Design and Engineering Graphics, no. 12 (Special issue), Bucureşti, 2017
- Anghel, A. A., Dănăilă, V. L. – Aspects regarding the surface developments of compound surfaces, JIDEG Journal of Industrial Design and Engineering Graphics, no. 12 (Special issue), Bucureşti, 2017
- Dănăilă, V. L., Anghel, A. A. – Development of some revolution surfaces, JIDEG Journal of Industrial Design and Engineering Graphics, no. 10 (Special issue), Bucureşti, 2015
- Anghel, A. A., Dănăilă, V. L. - Considerations about application of graphical calculus, JIDEG Journal of Industrial Design and Engineering Graphics, no. 10 (Special issue), Bucureşti, 2015

G. Lucrări ştiinţifice publicate în reviste din străinătate.

- Dănăilă, V. L. – Model matematic pentru analiza şi optimizarea procesului tehnologic de deformare plastică prin metoda electrohidraulică, Conferinţa Internaţională de Comunicări Ştiinţifice, Chişinău, 1999
- Dănăilă, V. L. – Model matematic al ecuaţiei de continuitate pentru deformarea plastică prin metoda electrohidraulică a semifabricatelor tubulare, Conferinţa Internaţională de Comunicări Ştiinţifice, Chişinău, 1999

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

- Dănăilă, V. L, - Method to develop a bend consisting of conical elements, Buletinul Ştiinţific al Universităţii „POLITEHNICA” din Timişoara, Timişoara, 2013
- Dănăilă, V. L., Anghel, A. A. - Method to develop a bend consisting of cylindrical elements with axes laying in different planes, Buletinul Ştiinţific al Universităţii „POLITEHNICA” din Timişoara, Timişoara, 2013
- Anghel, A. A., Dănăilă, V. L. – Consideration on the multiple threads representation, Buletinul Ştiinţific al Universităţii „POLITEHNICA” din Timişoara, Timişoara, 2013
- Dănăilă, V. L., Anghel, A. A. - Practical methods to develop some surfaces unable to be developed, Buletinul Institutului Politehnic din Iaşi, Iaşi, 2011
- Dănăilă, V. L. - Approximate methods to obtain some developments, Buletinul Institutului Politehnic din Iaşi, Iaşi, 2011
- Anghel, A. A., Dănăilă, V. L. - Aspects regarding improving maintainability through engineering design case study flange assembly, Buletinul Institutului Politehnic din Iaşi, Iaşi, 2011
- Dănăilă, V. L., Anghel, A. A. - Considerations on some characteristic cases of surfaces able to be developed, Acta Techinca Napocensis Technical University of Cluj-Napoca, Cluj Napoca, 2009

- Dănăilă, V. L. – The development of some steel sheet constructions, Acta Techinca Napocensis Technical University of Cluj-Napoca, Cluj Napoca, 2009
- Anghel, A. A., Dănăilă, V. L. - A theoretical study on the management of the design process and drawing of mechanical parts and assembly, Acta Techinca Napocensis Technical University of Cluj-Napoca, Cluj Napoca, 2009
- Dănăilă, V. L. – Recenzie în limba engleză a volumului "Zeichen fur technische Berufe.Metall" autori O. Bancke, H. Heidorn, W. Ollenburg, W. Timm, Buletinul Universităţii Tehnice Iaşi, 1992
- Dănăilă, V. L. – Recenzie în limba engleză a volumului "Darstellende Geometrie" autori W. D. Klix, H. Nickel, Buletinul Universităţii Tehnice Iaşi, 1992

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

- Dănăilă, V. L. – Dimensioning of the Development Drawings, International Conference of Engineering Graphics and Design, Galaţi, 2007
- Baran, M., Dănăilă, V. L., Antonescu, I. – Study Projection. The Trace Out of Ovals in Study Projection, International Conference of Engineering Graphics and Design, Bucureşti, 2005
- Dănăilă, V. L., Baran, M., Antonescu, I. – Technological Observations About the Display of the Iron Plate Machine Parts, International Conference of Engineering Graphics and Design, Bucureşti, 2005
- Baran, M., Dănăilă, V. L. – Triangulated Modeling of Surfaces. Display Applications, 34th International Scientific Symposium of METRA, Bucureşti, 2003
- Dănăilă, V. L. – Desfăşurarea coturilor alcătuite din elemente cilindrice, Al VIII-lea simpozion naţional cu participare internaţională de Grafică Tehnică şi Design, Braşov, 2003
- Dănăilă, V. L. – Mathematical Model of the Continuity Equation for the Plastic Deformation of Semi – Manufactured Tubes by the Electro - Hydraulic Method, Al Treilea Congres Internaţional de Ştiinţa şi Ingineria Materialelor, Iaşi, 2000
- Dănăilă, V. L. – Mathematical Model for the Analysis and Optimization of the Technological Process of Plastic Deformation by the Electro – Hydraulic Method, Al Treilea Congres Internaţional de Ştiinţa şi Ingineria Materialelor, Iaşi, 2000
- Racocea, C., Dănăilă, V. L., Segal, L., Baran, M. – Consideraţii asupra vizualizării spaţiale, Al Treilea Seminar Naţional de Geometrie Descriptivă, Cluj-Napoca, 1992
- Popa, C., Ciobanu, O., Onofrei, L., Dănăilă, V. L. – Contribuţii la studiul proprietăţilor şi aplicaţiilor afinităţii, Simpozionul "PRASIC'90", Braşov, 1990
- Biliuţi, R., Dănăilă, V. L., Dănăilă, R., Neagu, S. - Utilizarea metodei elementului finit la proiectarea carcasei vinciurilor fabricate la I. M. Vaslui, Simpozionul FORTUS'87, Iaşi, 1987
- Biliuţi, R., Dănăilă, V. L., Dănăilă, R., Neagu, S. - Utilizarea metodei elementului finit la proiectarea carcasei palanelor fabricate la I. M. Vaslui, Simpozionul I.U.G. "Progresul", Brăila, 1987

J. Invenții.

K. Contracte de cercetare.

- Grant ROSE nr. 83/SGU/CI/I 2018 – 2021 „Reducerea abandonului şcolar al studenţilor din anul întâi prin activităţi remediale şi de consiliere în Centrul de Învăţare din cadrul TU IAŞI (REMEDIUM)", director de contract Seghedin M.
- Grant CEEx, nr. 71/31.07.2006 - Sisteme inteligente şi metode pentru optimizarea, monitorizarea şi controlul reţelelor de termoficare – colectiv: Popescu, D., Ungureanu, D., Şerban, E., Dănăilă, V. L., beneficiar Ministerul Educaţiei, Cercetării şi Tineretului
- Contract CNFIS-FDI-2018-0006 „Acces direct prin Internaţionalizare Digitală – DIGITALin TUIASI", director de contract Lungu I.
- Contract de cercetare, nr.1080B/7464-93-poz.B1-26/1993 - Utilizarea tehnicilor automate de calcul pentru pregătirea şi perfecţionarea studenţilor şi specialiştilor în probleme de organizare şi management în construcţii – colectiv: Popa, C., Romanescu, C., Anghel, A.,

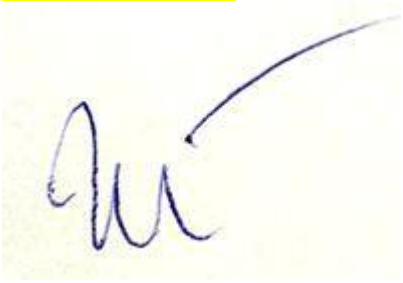
Dănăilă, V. L., Ciobănaşu, G., Antonescu, I., Prună, L., beneficiar Ministerul Învăţământului şi Ştiinţei

- Contract de cercetare, nr. 5002C/7463-93-poz.C2-18/1993 - Utilizarea programelor de grafică asistată de calculator în pregătirea studenţilor la disciplina de geometrie descriptivă – colectiv: Popa, C., Romanescu, C., Anghel, A., Dănăilă, V. L., Ciobănaşu, G., Antonescu, I., Prună, L., beneficiar Ministerul Învăţământului şi Ştiinţei
- Contract de cercetare, nr. 11177/14.01.1990 - Cercetare privind realizarea unei electropompe AN 50.30.160 cu turaţie variabilă – colectiv: Matei, P., Rusu, I., Popescu, T., Dănăilă, V. L., beneficiar I. E. H. Dorohoi

L. Premii, distincții.

M. Alte realizări semnificative.

Data, Nume, semnătura



Februarie 2026

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume: DAVID ANA-MARIA

A. Teza de doctorat.
Titlul tezei de doctorat: "Contribuții privind extinderea domeniului de aplicare al unor teorii de stare limita, pentru materiale metalice" 2020
Profesor îndrumător: prof. univ. dr. ing. Paul Doru Bârsănescu
Distincție – Excelent / Summa cum Laude
Universitatea Tehnică "Gheorghe Asachi" din Iași, Domeniul Inginerie Mecanică, Iași (România).

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local; anexa V.3

E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

Observație: Toate lucrările sunt publicate utilizând numele Comănici Ana-Maria.

1. **Comanici, A. M.**, & Barsanescu, P. D., *Modification of Mohr's criterion in order to consider the effect of the intermediate principal stress*, International Journal of Plasticity, 108, 40-54, 2018. https://doi.org/10.1016/j.ijplas.2018.04.010 *FI: 9.8 (2022)*

2. Barsanescu, P. D., & **Comanici, A. M.**, *von Mises hypothesis revised*, Acta Mechanica, 228(2), 433-446, 2017. https://doi.org/10.1007/s00707-016-1706-2 *FI: 2.7 (2022)*

3. **Comanici, A. M.**, Goanta, V., & Barsanescu, P. D., *Theoretical and experimental study of specimens with stress concentrators in dependence of stress triaxiality*, Ciência & Tecnologia dos Materiais, 29(1), e254-e261, 2017. https://doi.org/10.1016/j.ctmat.2016.09.001

4. Condurache, D., & **Comanici, A. M.**, *A Tensor closed-form solution of two-body problem in rotating reference frame*. Romanian Journal of Mechanics, 6(2), 31-45, 2021.

https://journals.srmta.ro/index.php/rjm/article/view/155

5. David, A., Barsanescu, P. D., & **Comanici, A. M.,** *About the sensitivity to hydrostatic pressure of Mohr-Coulomb criterion with circular failure envelope, dedicated to ductile materials*, In IOP Conference Series: Materials Science and Engineering, IOP Publishing, Vol. 400, No. 4, p. 042014, 2018. https://doi.org/10.1088/1757-899X/400/4/042014

6. David, A., **Comanici, A. M.**, Istrate, B., Munteanu, C., & Barsanescu, P. D., *Failure surfaces morphology for specimens with stress concentrators using scanning electron microscopy*, In IOP Conference Series: Materials Science and Engineering, IOP Publishing, Vol. 444, No. 6, p. 062018, 2018. https://doi.org/10.1088/1757-899X/444/6/062018

7. **Comanici, A. M.**, Sandovici, A., & Barsanescu, P. D., *Investigation of limit state criteria for amorphous metals*, In IOP Conference Series: Materials Science and Engineering, IOP Publishing, Vol. 147, No. 1, p. 012100, 2016. https://doi.org/10.1088/1757-899X/147/1/012100

8. **Comanici, A. M.**, & Barsanescu, P. D., *Considerations on elliptical failure envelope associated to Mohr-Coulomb criterion*, In IOP Conference Series: Materials Science and Engineering, IOP Publishing, Vol. 145, No. 4, p. 042006, 2016. https://doi.org/10.1088/1757-899X/145/4/042006

9. **Comanici, A. M.**, Goanta, V., Barsanescu, P. D., & Andrusca, L., *Study of a Specimen with Stress Concentrators in Multiaxial Tests*, In Applied Mechanics and Materials, Trans Tech Publications Ltd., Vol. 809, pp. 974-979, 2015. https://doi.org/10.4028/www.scientific.net/AMM.809-810.974

10. Barsanescu, P. D., **Comanici, A. M.**, Andrusca, L., & Savin, A., *Modified Mohr-Coulomb Theory for Triaxial State of Stress*, In Applied Mechanics and Materials, Trans Tech Publications Ltd., Vol. 809, pp. 658-663, 2015. https://doi.org/10.4028/www.scientific.net/AMM.809-810.658

11. **Comanici, A. M.**, Goanta, V., & Barsanescu, P. D. (2015). *STUDY OF A TRIAXIAL SPECIMEN AND A REVIEW FOR THE TRIAXIAL MACHINES*, Machines. Technologies. Materials., 9(12), 11-14, 2015. https://stumejournals.com/journals/mtm/2015/12/11

12. Andrusca, L., Goanta, V., Barsanescu, P. D., Savin, A., & **Comanici, A. M.**, *Stress state evaluation in biaxially loaded cruciform specimens*, In Applied Mechanics and Materials, Trans Tech Publications Ltd., Vol. 809, pp. 980-985, 2015. https://doi.org/10.4028/www.scientific.net/AMM.809-810.980

13. **Comănici**, A. M., Cârlescu, P. M., Bârsănescu, P. D. Ştefănescu, D. M., *Strain Gauge Rosette for Triaxial Strain Measurement*, XXI IMEKO World Congress 2015, Prague, Czech Republic, Vol. IMEKO2015 full papers book, Issue 1, pp 395-398, 2015. ISBN: 978-80-01-05793-3, 2015

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din tara, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

14. **Comanici, A. M.**, *The development of new limit stress state criteria for metallic materials*, Editura Academică “Matei-Teiu Botez”, Iasi, România, 1ere Seminaire Doctoral International Francophone, pp: 23-34, ISSN 2247-4161, 2016.

J. Invenţii.

K. Contracte de cercetare/granturi.

1. Director de proiect 3917/6.02.2025

Contract de finanțare, tip agent economic

Cercetări privind funcționalitatea sistemelor de prindere ale conductelor colectoare din instalațiile de canalizare ce deservesc clădiri cu subsol tehnic

Perioada de derulare 6.02.2025-17.09.2025.

Valoarea contractului: 71.400 lei.

2. Director de proiect GI / P 22 / 2021

Universitatea Tehnică "Gheorghe Asachi" din Iași

Schema de granturi interne ”PUBLICAȚII”

Durată: 01.07.2021-15.12.2021;

Valoarea contractului de grant: 45.000 lei.

3. Membru echipă proiect GI / P 23 / 2021

Universitatea Tehnică "Gheorghe Asachi" din Iași

Schema de granturi interne ”PUBLICAȚII”

Director de proiect: prof. univ. dr. ing. Daniel Condurache

Durată: 01.07.2021-15.12.2021;

Valoarea contractului de grant: 45.000 lei.

L. Premii, distincții.

Premii și distincții internaționale:

Premii și distincții naționale:

Cod Contract: POSDRU/159/1.5/S/133652 – Obținerea unui premiu în cadrul proiectului pentru rezultate individuale deosebite, cu un punctaj maxim de 272,17.

Premierea rezultatelor cercetării - Articole, Competiția 2017 (PN-III-P1-1.1-PRECISI-2017-16247 Barsanescu, P. D., & Comanici, A. M. (2017). von Mises hypothesis revised. Acta Mechanica, 228(2), 433-446) (zona galbenă)

Premierea rezultatelor cercetării - Articole, Competiția 2018 (PN-III-P1-1.1-PRECISI-2018-26896 Comanici, A. M., & Barsanescu, P. D. (2018). Modification of Mohr's criterion in order to consider the effect of the intermediate principal stress. International Journal of Plasticity, 108, 40-54) (zona roșie)

M. Alte realizări semnificative.

Data, 19.02.2026 Ana-Maria David



* Conform H.G. 1175/ 2006

Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență Inginerie Electrica

Numele şi prenumele: **Donciu Codrin**

A. Teza de doctorat.

Studii teoretice şi experimentale asupra prelucrării numerice a semnalului metrologic

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Branzila M, Donciu C., Advances in Biomedical Sensing, Measurements, Instrumentation and Systems, Chapter: Distributed System Architecture Using a Prototype Web E-Nose, Springer Berlin Heidelberg, pp. 1-15, 2010, ISBN 978-3-642-05166-1

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. Donciu C., Masurari electrice, Editura Universitatii Tehnice Gh. Asachi din Iasi, ISBN: 978-973-621-560-5, 2025
2. Donciu C. Ardeleanu A., Sisteme video de monitorizare. Curs, Editura PIM, 2014, ISBN:978-606-13-2203-9, 124 pag
3. Donciu C., Temneanu M., Măsurăm împreună cu Codrin Donciu și Marinel Temneanu, Editura PIM, 2014, ISBN: 978-606-13-2207-7, 160 pag
4. Donciu C., Sisteme video de monitorizare. Laborator, Editura PIM, 82 pp., 2013, ISBN: 978-606-13-1477-5., 81 pag
5. Ardeleanu A.S., Donciu C., Amprenta consumatorilor electrici, Edtura PIM, 2014, ISBN 978-606-13-1699-1, 244 pag
6. Blaga P., Minciuc E., Temneanu M., Donciu C., Ionel I., Lelea D., Figură F., Măsurarea mărimilor electrice şi neelectrice, Editura Academiei Oamenilor de Ştiinţă din România, 2011, ISBN: 978-606-8371-17-7, 144 pag
7. Donciu C., Sisteme video, Editura PIM, 2014, ISBN: 978-606-13-1700-4, 115 pag
8. Donciu C., Măsurări în domeniul discret al semnalelor, Casa de Editură Venus, Iaşi, 2006, ISBN:973-756-034-5, 145 pag
9. Donciu C., Fosalau C., Temneanu M., Tehnici de teletransmisie a datelor în învăţământul tehnic la distanţă, Casa de Editură Venus, Iaşi, 2006, ISBN: 973-756-009-4, 158 pag
10. Donciu C., Lunca E., Cretu M., Sisteme moderne de măsurare. Măsurări distribuite, Editura Politehnium Iaşi, 2005, ISBN: 973-621-105-3, 121 pag
11. Donciu C., Baraboi B., Sisteme expert de asigurare a calităţii totale în industria de materiale şi echipamente electrotehnice, capitolul: Metode de interpretare a informaţiilor provenite din zona de alias şi Tehnici de inteligenţă artificială în analiza gazelor, Editura Gh. Asachi Iaşi, 2002, ISBN 973-8292-29-8

12. Donciu C., Tendinţe novatoare în instrumentaţie şi măsurări electronice, capitolul: Metode extreme de interpretare a frecvenţei semnalelor în instrumentaţia virtuală, Editura Sedcom Libris Iaşi, 2001, ISBN 973-8028-76-0

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. Donciu, C; Serea, E and Temneanu, MC, Frequency Seismic Response for EEWS Testing on Uniaxial Shaking Table, Apr 2023, ENTROPY 25 (4)
2. Serea, E; Penciuc, M; Donciu, C, Video Distance Measurement Technique Using Least Squares Based Sharpness Cost Function, Sep 2022, MATHEMATICS 10 (18)
3. S. Can, A. E. Yilmaz, Asim, C. Donciu, M. Temneanu, Electrostatic discharge protective garment: results obtained for knitted fabrics with hybrid yarns, TEKSTIL VE KONFEKSIYON,Volume: 25, Issue: 3, Pages: 220-228, 2015;
4. C. Donciu, M. temneanu, An alternative method to zero-padded DFT, Measurement, Volume: 70, Pages: 14-20, 2015
5. Carpus E., Scarlat R., Bonfert D., Ene A., Mihai C., Visileanu E., Donciu C., Popa A., Enache G., Investigation of two-layer knitted structures with conductive fibres content, Industria Textila, vol. 65, issue 3, pp. 145-152, 2014;
6. Donciu C., Video Assisting System for Garment Manufacturing Technological Flow, Fibres & Textiles in Eastern Europe, vol. 21, issue 5, pp. 135-140 SEP-OCT 2013;
7. Donciu C., Temneanu M., Integrated visual-smart inspection system for the textile fabrics developed by image virtual processing methods, Industria Textila, vol. 60, issue 3, pp. 134-145, 2009;
8. Donciu C., Temneanu M., Algorithm for video-intelligent inspection of the textile materials imprint with repetitive pattern, Industria Textila, vol. 60, issue 6, pp. 326-333, 2009;
9. Donciu C., Temneanu M., E-Learning System for Students on Electrical Engineering, International Review of Electrical Engineering-IREE, vol. 3, issue 6, pp. 1087-1096, 2008;
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G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

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J. Invenţii.

K. Contracte de cercetare/granturi - director de proiect

1. PED, contract 213PED/2017, Sistem OFDM bazat pe utilizarea FFT cu argument neintreg, 2017-2018, 475.000 lei
2. ERA NET CrossTexNet, contract 7_071_2012, Innovative technology for multilayer EMI shields based on spatial fabric (3DShields), 2012-2014, 405.000 RON
3. ERA NET CrossTexNet, contract 7_058_2012, Core conductive fibres based ESD protective garments (ESDGarm), 2012-2014, 343.200 RON
4. PN2 CNMP – Parteneriate, contract 251/2014, Mini-patern-urile, soluția coordonării video a procesului de confecţionare a produselor textile, 2014-2016, 1.333.700 RON
5. PN2 CNMP – Parteneriate, contract 260/2014, Ecrane electromagnetice spațiale bazate pe funcționalizare diferenţiată cu nano/micro particule, 2014-2016, 1.370.000 RON
6. PN2 – Parteneriate, contract 179_PCCA_2012, Haine ESD realizate din fibre cu miez conductor tricotate bistrat (GarmESD), 2012-2016, 1.078.000 RON
7. P6 PN2 CNMP – Parteneriate, contract 72-173/2008,Sistem video automatizat cu grad ridicat de interschimbabilitate pentru etalonare, metrologică a echipamentelor de măsurare, 2008-2011, 1.495.000 RON
8. Grant CEEX Modulul I – INFOSOC, contract 137/2006, Sistem informatic de instruire interactivă bazat pe algoritmi multitask de mare viteză dezvoltat pe platformă reconfigurabilă pentru aplicaţii de tip laborator virtual, 2006-2008, 880.000 RON
9. Grant CEEX Modulul I – AGRAL, contract 51/2006, Sistem inteligent de irigare de precizie implementabil pe structurile automate cu deplasare circulară sau liniară, 2006-2008, 1.010.000 lei
10. Grant CEEX Modulul III – CNMP, contract 194/2006, Dezvoltarea parteneriatelor C/D in vederea promovării de proiecte europene in domeniul video-inspecţiei inteligente a materialelor textile, 2006-2008, 180.000 RON
11. Grant AT anul 2004, tema 81, cod CNCSIS 330, contract 33371/2004, Sistem de măsurare distribuita dezvoltat prin metode de instrumentaţie virtuala
12. Grant AT anul 2003, tema 57, cod CNCSIS 330, contract nr. 33557/2003, Sistem de măsurare distribuita dezvoltat prin metode de instrumentaţie virtuala

L. Premii, distincţii.

M. Alte realizări semnificative.

Data: 3.12.2025

Nume, prenume
Donciu Codrin

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **Dragomir Alin**

A. Teza de doctorat.

1. „Contribuții privind managementul echipamentelor electrice. Monitorizarea solicitărilor termice", 2017, Domeniul „Inginerie Electrică", Universitatea Tehnică „Gheorghe Asachi" din Iași, conducător doctorat: prof. dr. ing. Adam Maricel.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. *Asiminicesei O.M., Beniugă O.C., Dragomir A.,Comșa C.R., Haba C.G., Arădoaei S. T., Dosoftei C. C., Brînzilă M. C., Afaceri Digitale, Editura Performantica, ISBN: 978-606-685-932-5.*

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

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J. Invenţii.

K. Contracte de cercetare/granturi.

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10. Contract nr. 5075/14.02.2025, tip cercetare cu finantare privata: ” Cercetări Privind Soluții Moderne Pentru Proiectarea și Identificarea Soluțiilor Eficiente de Iluminat Artificial la Interior și la Exterior”, Beneficiar: SC ELEMATIS TECH. SRL. Director proiect: ș.l.dr.ing Alin Dragomir.
11. Contract nr. 8862/13.03.2025, tip cercetare cu finantare privata: ” Cercetări privind soluții moderne pentru eficientizarea sistemelor de răcire ale componentelor din centrele de date din industria tehnologiei informației”, Beneficiar: SC A&B Computers SRL. Director proiect: ș.l.dr.ing Alin Dragomir.

L. Premii, distincţii.

M. Alte realizări semnificative.

Data, 29.12.2025

Ș.l. dr. ing. Alin Dragomir



Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență Inginerie Energetică

Numele şi prenumele: Dudeanu Mihaela Iuliana

A. Teza de doctorat.
« La poétique des éléments fondamentaux dans l'œuvre de J. M. G. Le Clézio », 2018, Universitatea "Alexandru Ioan Cuza", Iași, Domeniul Filologie, Conducător : Prof. Univ. Dr. Alexandru Călinescu

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.
-

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.
-

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.
-

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.
1. Dudeanu Mihaela Iuliana, Najat ou la survie : une lutte perpétuelle, Ed. Politehnium, Iași, Les Cahiers Linguatek, v. 17-18 (9), 2025, p. 143-148, ISSN : 2559-7752, https://www.ceeol.com/search/article-detail?id=1400285
2. Dudeanu, Mihaela Iuliana, *J.-M. G. Le Clézio et ses personnages atteints de folie*. Les Cahiers Linguatek, v. 15-16 (8), 2024, pp 241-250, ISSN : 2559-7752.
3. Dudeanu, Mihaela Iuliana, *J.-M. G. Le Clézio et ses personnages solitaires*. Les Cahiers Linguatek, v. 13-14 (7), 2023, pp 84-100, ISSN : 2559-7752. https://www.ceeol.com/search/article-detail? id=1197512
4. Dudeanu, Mihaela Iuliana, *Ideologie, Redewendungen, Sprachformen und Lebensmodus in den kommunistischen Jahren Rumäniens*. Buletinul Institutului Politehnic din Iași, v. 67(71), Secția Științe Socio-Umane, 2021, pp 53-70, ISSN: 2501-8760. https://dppd.tuiasi.ro/wp-content/uploads/2022/01/Vol.-SSU-1-2-din-2021.pdf
5. Dudeanu, Mihaela Iuliana, *Mémoire de la guerre dans l'œuvre de Jean-Marie Gustave Le Clézio*. Les Cahiers Linguatek, v. 9-10 (5), 2021, pp 129-140, ISSN : 2559-7752. https://www.ceeol.com/ search/journal-detail?id=2476

G. Lucrări ştiinţifice publicate în reviste din străinătate.
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H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.
-

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. Dudeanu, Mihaela Iuliana, *Le rôle du français sous la plume de J.-M. G. Le Clézio*, „Congresul European al Federației Internaționale a Profesorilor de Franceză, ed. a 4-a", București, pp 384-398
2. Dudeanu, Mihaela Iuliana, *La "géographie" des textes lecléziens*, Autour et à travers, Ed. Politehnium, Iași, pp 155-164, 2022
3. Marari, Mihaela Iuliana, *Elementary existence and fundamental elements in Désert by J. M. G. Le Clézio*, "Literature, Discourses and the power of multicultural dialogue 5", Târgu-Mureș, pp 643-650, 2017
4. Marari, Mihaela Iuliana, *Les Roumains et Le Clézio ou Le Clézio et les Roumains*, « Francophonie et curiosité(s) », Iasi, pp 247-259, 2016
5. Marari, Mihaela Iuliana, *Aspecte personale și rolul lor în evoluția operei lecléziene*, „$coala internațională de metodologie în Științele socio-umane", Chișinău, pp 314-326, 2015
6. Marari, Mihaela Iuliana, *L'écriture leclézienne : entre autobiographique et biographique*, „Univers des arts — univers de la famille : interférences et divergences", Cluj Napoca, pp 139-151, 2014
7. Marari, Mihaela Iuliana, *La création leclézienne : carrefour de plusieurs milieux culturels et linguistiques*, « Le français de la Francophonie : altérité intime, identité plurielle », Iasi, 2014
8. Marari, Mihaela Iuliana, *Water: Fundamental Element of Le Clézio's Poetics. Occurrences and Significations of the Aquatic Element in Desert and Onitsha*, "Literature, Discourse and Multicultural Dialogue 2", Târgu-Mureș, 4pp 1063-1067, 2014
9. Marari, Mihaela Iuliana, *The Leclézien Character: Medium of Openness Towards Otherness / Alterity*, "Globalization, Intercultural dialogue and national identity", Târgu-Mureș, pp 879-885, 2014
10. Marari, Mihaela Iuliana, *Connaissance de l'Autre à travers une meilleure connaissance de soi*, « Le recyclage culturel entre parasitisme, atrophie de l'imaginaire et Invention seconde », Iasi, pp 104-113, 2013
11. Marari, Mihaela Iuliana, *Expériences identitaires dans Désert et Gens des nuages de J.M.G. Le Clézio*, « Espaces et quête identitaire dans le roman français actuel », Cluj Napoca, pp 104-116, 2012
12. Marari, Mihaela Iuliana, *L'univers du langage dans Maria Chapdelaine de Louis Hémon*, « La Francophonie (…) problématique(s), Iași, pp 229-238, 2012

J. Invenţii.

-

K. Contracte de cercetare.

-

L. Premii, distincţii.

-

M. Alte realizări semnificative.

Traduceri

1. Vincent Jauvert, Les Intouchables d'Etat, Ed. Cartea Românească, Iași, 2021
2. William Genieys, Sociologie politique des élites, Ed. Institutul European, Iași, 2013

Data, Nume, semnătura

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Filip Tudor-Alexandru

A. Teza de doctorat.

1. *Studiul influenței parametrilor geometrici ai electrozilor electrochimici serigrafiați asupra răspunsului electrochimic,* 2025, Domeniul Inginerie electrică, Universitatea Tehnică ,,Gheorghe Asachi'' din Iași, conducător de doctorat: Prof.Dr.Ing. Marius Andrei Olariu

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. Tăchiță Vlad-Bubulac, Diana Serbezeanu, Elena Perju, Dana Mihaela Suflet, Daniela Rusu, Gabriela Lisa, **Tudor-Alexandru Filip**, Marius-Andrei Olariu, "Multifaceted Nanocomposites Combining Phosphorylated PVA, MXene, and Cholesteric Liquid Crystal: Design and Application Insights", Nanomaterials, 1251, 2025.

2. Ina Turcan, **Tudor Alexandru Filip**, Tăchiță Vlad-Bubulac, Daniela Rusu and Marius Andrei Olariu, "Dielectrophoretic direct assembling of Mxene flakes at the level of screen-printed interdigitated microelectrodes and their evaluation in gas sensing applications", 2D Materials, 2024.

3. Marius Andrei Olariu, Tăchiță Vlad-Bubulac, **Tudor Alexandru Filip** and Ina Turcan, "Dielectric anisotropy in selfassembling MXene-based lyotropic nematic compounds", J. Phys. D: Appl. Phys., 2024.

4. **Tudor-Alexandru Filip**, Mădălina-Petronela Simion, Ina Țurcan, Marius-Andrei Olariu, ,,An Overview and Current Challenges in Respect to Screen-Printed Electrochemical Electrodes Employability as Disposable Biosensors'', Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics Section, vol. 70, no. 1, Gheorghe Asachi Technical University Iasi, pp. 35-60, 2024.

5. Marius Andrei Olariu, **Tudor Alexandru Filip**, Catalina Anisoara Peptu and Ina Turcan, "Screen-printed interdigitated microelectrodes employment in dielectrophoretic manipulation of MWCNTs", Microchimica Acta, 2023.

6. Olariu MA, Herrero R, Astanei DG, Jofré L, Morentin J, **Filip TA**, Burlica R. Improving Printability of Polytetrafluoroethylene(PTFE) with the Help of Plasma Pre-Treatment. Polymers. 3348, 2023.

7. M. A. Olariu , C. Tucureanu, **T. A. Filip**, I. Caras, A. Salageanu, V. Vasile, M. Avram, B. Tincu, I. Turcan, ,, HT-29 Colon Cancer Cell Electromanipulation and Assessment Based on Their Electrical Properties'', Micromachines 2022.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. V. -A. Scarlatache, M. A. Olariu, F. Scarlatache, S. Aradoaei, **T. A. Filip** and M. P. Simion, "Modeling and Simulation of Regenerative Braking Systems Using MATLAB System Composer and Simulink," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, pp. 1-6, 2025.

2. M. -P. Simion, I. Turcan, **T. A. Filip** and M. A. Olariu, "Monitoring Yeast Cells Behaviors by Electrical Impedance Spectroscopy," 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, pp. 1-4, 2024.

3. **T. A. Filip**, I. Turcan, C. -C. Simota, D. G. Astanei and M. A. Olariu, "Fabrication and Preliminary Evaluation of Flexible Screen-Printed Resistive Voltage Divider," 2023 International Conference on Engineering and Emerging Technologies (ICEET), Istanbul, Turkiye, pp. 1-4, 2023.

4. V. -A. Scarlatache, S. Aradoaei, M. A. Olariu, F. Scarlatache, **T. A. Filip** and R. Simionescu, "Electric Vehicle Architecture Modeling Based on MATLAB and SysML for Discrete and Continuous Simulation," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, pp. 1-5, 2023.

5. **T. A. Filip**, I. Turcan, V. A. Scarlatache, A. Dragomir, M. A. Olariu, ,,Electric Field Numerical Modeling and Simulation of V-Shaped Interdigitated Microelectrodes'', 2022 International Conference on Engineering and Emerging Technologies (ICEET), 2022.

6. V. A. Scarlatache, S. Aradoaei, M. A.Olariu, **T. A. Filip**, F. Scarlatache, G. Gheorghian, ,,Continuous Improvement in Education Based on Deming Model in Worldwide Context'', 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 2022.

7. V. A. Scarlatache, M. A. Olariu, S. Aradoaei and **T.A. Filip**, "An Overview on Nonvolatile Memories Used in Automotive Industry," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), pp. 517-520, 2021.

J. Invenții.

K. Contracte de cercetare.

1. Membru în echipa de cercetare - *Screen-printed chemiresistor based on dielectrophoretically trapped MXenes for volatile organic compounds (VOC) detection*, PN-III-P1-1.1-TE-2021-0751, Buget 313,200 lei, 2022-2024.

2. Membru în echipa de cercetare - *Evaluarea capacității de eletromanipulare dielectroforetica și caracterizare electrică a celulelor biologice cu ajutorul microelectrozilor interdigitati imprimați integral (uBioDEP)*, Buget 60,000 lei, 2022-2023.

3. Membru în echipa de cercetare - *Adaptarea proprietatilor electrice ale compozitelor polimerice functionale pe baza alinierii dielectroforetice de MXene (Diel-MX),* PN-IV-P2-2.1-TE-2023-0978, Buget 500,000 lei, 2025-2026.

L. Premii, distincții.

1. Articol premiat – UEFISCDI 2023 - M. A. Olariu , C. Tucureanu, **T. A. Filip**, I. Caras, A. Salageanu, V. Vasile, M. Avram, B. Tincu, I. Turcan, ,, HT-29 Colon Cancer Cell Electromanipulation and Assessment Based on Their Electrical Properties'', Micromachines 2022, 11,13, doi: 10.3390/mi13111833

M. Alte realizări semnificative.

Data,
27.02.2026

Nume, semnătura



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Asist. dr. ing. Gabor Georgel:

A. Teza de doctorat.

1. "Contribuţii prinvind îmbunătăţirea comuncațiilor industriale între diferite echipamente ale unui sistem electric", Universitatea Tehnică "Gheorghe Asachi" din Iasi, domeniul Inginerie Electrică, conducător de doctorat Prof. Dr. Ing. Gheorghe Livinț (2024).

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

-

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

-

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

- Dosoftei C.C., **Gabor G**. (2024), Îndrumar de laborator - Sisteme distribuite de achiziție, monitorizare și conducere, 270 pg, ISBN 978-973-621-546-9, Editura Universităţii Tehnice "Gheorghe Asachi" din Iaşi 2024

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. C. Nițucă, A. Dragomir, **G. Gabor,** G. Chiriac, *Simulated thermal response of a battery pack used by electric twowheelers*, Thermal Science, International Scientific Journal, https://doi.org/10.2298/TSCI250724194N, FI (2024) 1,1, Q4.
2. Niţucă, C., CHIRIAC, G., **Gabor, G.**, Nucă, I., Cazac, V., & Burduniuc, M. (2021). *GEOMETRY DESIGN AND ANALYSIS OF AN ELECTRIC BUS FOR THE INTERIOR THER-MAL MODELLING*. Journal of Energy Technology, 14(2), 47-55, indexată database INSPEC
3. **Georgel Gabor**, Adrian Traian Plesca, "*The PLC control of electrical system consisting in electromagnetically sliding brake and coupling*", Journal of Energy Technology, JET Volume 8 (2015), p.p. 1 - 10 2018, indexată database INSPEC.
4. Botoc Dorin, Jurij Avsec, Adrian Traian Plesca, **Georgel Gabor**, Rusu Ionut, " *THE PROPERTIES OF THE MATERIAL GADOLINIUM AND THE WORKING AGENT*

USED IN THE INSTALLATION OF MAGNETIC REFRIGERATION DEVICES", Vol. 13 No. 2 (2020): September 2020

5. **Georgel Gabor,** Gheorghe Livinț, "*Solution for pumps control in irrigations system using S7-1200 PLC*", Conferința Națională de Acționări Electrice, Timișoara, 2022, indexata NNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XX [2022] | Fascicule 3 [August], indexată Index Copernicus

G. Lucrări ştiinţifice publicate în reviste din străinătate.

- Niţucă, C**.,** Chiriac, G., **Gabor, G**., Nucă, I., Cazac, V., Burduniuc, M. (2021). *Geometry design and analysis of an electric bus for the interior ther-mal modelling*. Journal of Energy Technology, 14(2), 47-55, (**Indexat ProQuest**)

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

-

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. **Georgel Gabor**, Gheorghe Livinț, "*Application of S7-1200 PLC for Temperature Monitoring of a Railway Separator*", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, indexată IEEExplore.
2. **Georgel Gabor**, Gheorghe Livinț, "*Solution for Monitoring and Remote Control Based on Modbus RTU and S7-1200 PLC*", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, indexată IEEExplore.
3. G. CHIRIAC, D. -D. Lucache, C. Niţucă and G. Gabor, "*Aspects Regarding the Heating of Electric Buses*," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, doi: 10.1109/SIELMEN53755.2021.9600435, indexată IEEE explore.
4. Florinel Lupoiu, Adrian-Traian Plesca, **Georgel Gabor**, Gabriel Chiriac, "*A New Solution of Electronic Device Proposed for Cereals, Vegetables and Fruits Storage*", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, indexatăIEEExplore.
5. Gabriel Mocanu, Adrian-Traian Plesca ,**Georgel Gabor**, Maricel Adam, Mihai Andrusca, "*Temperature Monitoring of the Heating Resistors of the Railway Switches from Romanian Railway System*", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, indexată IEEExplore.
6. Petru Valentin Roşu, Adrian-Traian Plesca ,**Georgel Gabor**, Gabriel Chiriac, "*Optimizing the Operation of Photovoltaic Panel Systems*", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, , indexată IEEExplore.
7. Dorin-Dumitru Lucache ,**Georgel Gabor**, Constantin-Catalin Dosoftei, "*Integrated Learning in Electrical and Control Engineering Using an Educational Elevator System*", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, , indexată IEEExplore.
8. Georgian-Cosmin Pintilie, Adrian Traian Plesca, Florin-Andrei Rusu ,**Georgel Gabor**, "*New Materials for Heating Systems"*, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore.
9. Florinel Lupoiu, Adrian Traian Plesca, **Georgel Gabor**, "*New Solution for Cereals, Vegetables and Fruits Storage*", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore.

10. **Georgel Gabor**, Florin-Andrei Rusu, Adrian Traian Plesca, Costica Nituca, "*Analysis of sliding electromagnetic coupling parameters in a PLC automation system*", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore.
11. **Georgel Gabor**, Georgian-Cosmin Pintilie , Adrian Traian Plesca, Maricel Cardasim, "*Temperature monitoring system using an infrared temperature sensor connected to a PLC*", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore.
12. **G. Gabor**, G. Pintilie, C. Dumitrescu,C. Nituca, A. T. Plesca, "*Application of Industrial PROFIBUS-DP protocol,* International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, indexată IEEExplore.
13. Daniel-Adrian Sticea; **Georgel Gabor**; Gabriel Chiriac; Mihai Albu; Anamaria Brinzei," *DC Motor Closed Loop Speed Control Using Rapid Control Prototyping"*, 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), 16-18 October 2025, DOI: 10.1109/SIELMEN67352.2025.11260740
14. **G. Gabor**, C. Nitucă, A. Dragomir, G. Chiriac, V. Cazac; M. Boca, *Low Voltage Circuit Breaker Controlled by Programmable Logic Controller*, 15th International Conference on Electromechanical and Energy Systems. (SIELMEN 2025), Chisinau, R. Moldova, 2025

J. Invenţii.

K. Contracte de cercetare.

1. **Membru în International project**: Programme 3 –European and international cooperation, Scientific domain: Energy". Title of the project: *The experimental study on overload current arc characteristics of The experimental study on overload current arc characteristics of DC electric fuse*. Period of the project: 02/07/2018 - 31/12/2019. Project manager –Lecturer Ph.D. Eng. COSTICĂ NIȚUCĂ. Xi'an Jiaotong University, China, 2019
2. **Membru** în proiectul de cercetare: The experimental study on overload current arc characteristics of DC electric fuse - DCFUSE, PN-III-P3-3.1-PM-RO-CN-2018-0060, România-China, „Gheorghe Asachi" Technical University of Iasi - Xi'an Jiaotong University. Director proiect, Conf.dr.ing. C. Nițucă. Perioada de implementare 2018-2019.
3. **Membru proiect de inovare - PROOF of CONCEPT** competiţie organizată în cadrul proiectului TRANSTEH. Proiect: *INTELLIFT: Mini-lift inteligent modular, cu utilizări multiple*, Director de proiect: DORIN-DUMITRU LUCACHE, 2020
4. **Membru proiect:** *New concept on energy efficiency heating system for the passenger thermal confort in electric buses* – THERMAL-E-BUS, Project manager –Lecturer Ph.D. Eng. GABRIEL CHIRIAC, 2021
5. **Membru** în proiectul de cercetare: Improving the cross-border public transportation using electric buses supplied with renewable energy – ELBUS, 2SOFT/3.1/54, European Neighbourhood Instrument (ENI), Cross Border Cooperation (CBC) from Joint Operational Programme Romania – Republic of Moldova, Priority 3.1 – Development of cross-border transport infrastructure and ICT infrastructure. Director proiect, Conf.dr.ing. C. Nițucă. Perioada de implementare: 2020 – 2023.

6. **Membru** in proiectul de cercetare PNCDI IV - Program 5.8 – Cooperare Europeană și Internațională Subprogramul 5.8.3 - Bilateral/Multilateral - Proiecte complexe bilaterale cu Republica MoldovaCoordonator: Universitatea Tehnică “Gheorghe Asachi” din Iaşi, România Partener 1: Universitatea Tehnică a Moldovei din Chişinău, Republica Moldova Titlul proiectului: Îmbunătățirea performanțelor tehnice și energetice ale sistemelor de propulsie multifazice pentru autobuze electrice – IPEBUS Numărul proiectului: PN-IV-PCB-RO-MD-2024-0264 Contract de finanțare nr. 38PCBROMD/2025. Director proiect, Conf.dr.ing. C. Nițucă. Perioada de implementare 2025-2027.

L. Premii, distincţii.

M. Alte realizări semnificative.

-

Data: 27. 02.2026 **asist.dr.ing. Gabor Georgel**



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: Gheorghe Grigoraș

A. Teza de doctorat.

„Tehnici noi de supraveghere si conducere a sistemelor electroenergetice", 2005, Domeniul „Inginerie Energetică", Universitatea Tehnică „Gheorghe Asachi" din Iași, conducător doctorat: prof. dr. ing. Cârțină Gheorghe

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. **Gheorghe Grigoraş**, Bogdan Neagu, Explainable Artificial Intelligence for Decision-Making Processes in Active Distribution Grids, Capitolul 9 in cartea EditorsExplainable Artificial Intelligence for Trustworthy Decisions in Smart Applications, Editori: Nicu Bizon și Bhargav Appasani si, Springer International Publishing, Switzerland, 2025, ISBN-13: 978-3-031-97006-1
2. **Grigoraş**, Bogdan Neagu, Florina Scarlatache, Data Mining-Based Approaches in the Power Quality Analysis, Capitolul 5 in cartea Smart Grids 3.0, Editori: Bhargav Appasani si Nicu Bizon, Springer International Publishing, Switzerland, 2023, ISBN: ISBN-13: 9783031385056
3. Bogdan Neagu, **Gheorghe Grigoraş**, Florina Scarlatache, Engineering Applications of Crowdsourcing Concept in Active Distribution Grids, Capitolul 3 in cartea Smart Grids 3.0, Editori: Bhargav Appasani si Nicu Bizon, Springer International Publishing, Switzerland, 2023,ISBN: ISBN-13: 9783031385056
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F. Lucrări ştiinţifice publicate în volumele conferinţelor.

F1. Conferințe indexate WoS

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2. Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere si stocare locală a energiei, în contextul creșterii eficienței energetice, Grant PN-III-P2-2.1-CI-2018-1128, Contract 192CI/25.07.2018, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2018, Grigoraș G. (director)
3. Platforma de management si control integrat al fluxurilor purtatorilor de energie in scopul cresterii eficientei energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI/25.07.2017, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2017, Grigoraș G. (director)
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11. Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016; Contract nr. 684P / 21.04.2016; beneficiar: EON Distribuție Romania S.A., Valoare: 60000 lei, Grigoraș G. (membru)
12. Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuţie S.A., Valoare: 194000 lei, Grigoraș G. (membru)
13. Studiu privind verificarea schemelor de protecţie împotriva loviturilor directe de trăsnet în cazul staţiei 220/110/20 kV Munteni. Analiză comparată a metodei normate şi a metodei electrogeometrice, Contract nr. 8795P/17.05.2013. Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, Valoare: 70680 lei, Grigoraș G. (membru)
14. Dezvoltarea platformei de cercetare pentru energie eficientă și durabilă – ENERED, Grant 911/ SMIS-CSNR 13987, Contract de finanţare: 430/21.12.2012, 2012 – 2106, Valoare: 51031879 lei, Grigoraș G. (membru)
15. Studiu de determinare a consumului propriu tehnologic în rețelele de joasă tensiune aferente jud. Bacău, aparținând E.ON Moldova Distribuție S.A, Contract de cercetare nr. 3564P / 01.11.2011, 2011, beneficiar: E.ON Moldova Distribuţie S.A, Valoare: 50000 lei, Grigoraș G. (membru)
16. Sistem inteligent de predictie si control al congestiilor in retelele de transport si distributie la inalta tensiune, Grant PNCDI II – Parteneriate, contract nr. 22126 / 01.10.2008, 2008, beneficiar: CNCSIS,Valoare: 319859 lei, Grigoraș G. (membru)
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19. Amplasarea surselor de putere în reţelele de distribuţie de 110 kV şi MT ale S.C. E.ON Moldova Distribuţie S.A. după criteriul pierderilor minime de energie şi al apropierii surselor de consumator şi studio privind compensarea şi reglarea puterii reactive în scopul optimizării nivelului de tensiune în reţelele de 110 kV ale S.C. E.ON Moldova Distribuţie S.A, Contract de cerectare nr. 7405 P / 26.10.2007, 2007, beneficiar: E.ON Moldova Distribuţie S.A, Valoare: 145440 lei, Grigoraș G. (membru)
20. Utilizarea tehnicilor de inteligenţă artificială în scopul creşterii performanţelor reţelelor de transport ale energiei electrice, Contract de cerectare nr. 1578P/2003, 2003, beneficiar: Transelectrica SA –ST Bacău, Valoare: 5700 lei, Grigoraș G. (membru)

21. Produs soft pentru planificarea şi analiza reţelelor electrice de distribuţie. Contract de cerectare nr. 967P/2002, 2002, beneficiar: SC. FDFEE Electrica Moldova S.A. Sucursala Iaşi, Valoare: 5000 lei, Grigoraș G. (membru)
22. Model multiobiectiv de optimizare a planificarii retelelor electrice de distributie prin tehnici fuzzy, Contract de cerectare nr. 562P/2000, 2000, beneficiar: SC. FDFEE Electrica Moldova S.A. Sucursala Iaşi, Valoare: 5000 lei, Grigoraș G. (membru)
23. Alocarea costurilor serviciilor de transport pe noduri de retea tinind seama de cerintele si restrictiile specifice retelelor de transport din tara noastra, Contract de cercetare nr. 889P/2000, 2000, beneficiar: STD Bacau, Valoare: 4000 lei, Grigoraș G. (membru)
24. Analiza contingentelor din retelele 400/220/110 kV din zona STD Bacau in vederea optimizarii programului de retrageri din exploatare. Contract de cerectare nr. 890P/2000, 2000, beneficiar: STD Bacau, Valoare: 5000 lei, Grigoraș G. (membru)
25. Calcule utilizind tehnici fuzzy in reteaua de 110 kV a SDEE Galati; vizind simularea sarcinii; calculul regimurilor; optimizarea functionarii retelei. Contract de cerectare nr. 853P/2000, 2000, beneficiar: SDEE Galați, Valoare: 4000 lei, Grigoraș G. (membru)

I. Premii, distincţii.

1. Premiu CNCSIS prin Programul de finanţare > Planul Naţional PN II (2007 - 2013) > RESURSE UMANE > Premierea rezultatelor cercetării, in 2009 pentru lucrarea Clustering Techniques in Load Profile Analyze for Distribution Stations, publicată în jurnalul internaţional indexat ISI Journal of Advances in Electrical and Computer Engineering. http://www.cncsis.ro/articole/1941/Etapa-I_2009.html
2. Premiu CNCSIS prin Programul de finanţare > Planul Naţional PN II (2007 - 2013) > RESURSE UMANE > Premierea rezultatelor cercetării, in 2012 pentru lucrarea Two-stage distributed generation optimal sizing with clustering-based node selection, publicată în jurnalul internaţional indexat ISI International Journal of Electrical Power and Energy Systems.
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4. Premiu CNCSIS prin Programul de finanţare > Planul Naţional PN II (2007 - 2013) > RESURSE UMANE > Premierea rezultatelor cercetării, in 2015 pentru lucrarea An assessment of the renewable energy potential using a clusteringbased data mining method. Case study in Romania publicată în jurnalul internaţional indexat ISI ENERGY,
5. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2019 pentru lucrarea Minimization of reliability indices and cost of power distribution systems in urban areas using an efficient hybrid meta-heuristic algorithm, publicata in jurnalul SOFT COMPUTING,
6. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks publicata in jurnalul MATHEMATICS
7. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea An Advanced Decision Support Platform in Energy Management

to Increase Energy Efficiency for Small and Medium Enterprisespublicata in jurnalul APPLIED SCIENCES

8. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts publicata in jurnalul MATHEMATICS
9. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea Optimal Phase Load Balancing in Low Voltage Distribution Networks Using a Smart Meter Data Based Algorithm, publicata in jurnalul MATHEMATICS
10. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2021 pentru lucrarea New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids, publicata in jurnalul SUSTAINABILITY https://uefiscdi.gov.ro/resource-868117-precisi2021_lista-2_rezultate-eligibilitate-art-
11. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2021 pentru lucrarea Optimization and estimation of reliability indices and cost of Power Distribution System of an urban area by a noble fuzzy hybrid algorithm, publicata in jurnalul APPLIED SOFT COMPUTING,
12. Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2021 pentru lucrarea Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks, publicata in jurnalul MATHEMATICS
13. Premiul „TOP Reviewer 2019" decernat de Publons (Web of Science Group) pentru clasarea in top 1% mondial al numarului de recenzii facute in anul 2019 in domeniul „Cross-Field" https://publons.com/awards/peer-review/2019/by-field/
14. Premiu pentru cea mai buna lucrare a sectiunii „Advanced Modelling, Control, and Optimization Methods in Power Hybrid Systems", 12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2020, June 25 – June 27, 2020, București, Romania: Livia Noroc și Gheorghe Grigoras, Performance Assessment of the Hierarchical Clustering Methods in Classification of Electric Distribution Networks Considering Unbalance Degree
15. Premiul revistei "Electronics" (indexată WoS) pentru lucrarea prezentată în cadrul Workshop-lui MPDI, 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 – 3 Julie, 2021, Pitesti, Romania: Vasilica Dandea, Gheorghe Grigoras, Bogdan-Constantin Neagu și Florina Scarlatache A Clustering-based Knowledge Extraction Methodology for Prosumers' Classification and Injected Power Profiles Grouping.

Data,
20.02.2025

Prof. dr. ing. Gheorghe Grigoras

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Herghiligiu Ionuț Viorel

A. Teza de doctorat.

A1. Teza de doctorat

A1.1. Titlul tezei: "Cercetări privind Sistemul de management de mediu ca proces complex la nivelul organizaţiilor"

Domeniul de doctorat: Inginerie si management

Anul susținerii tezei: 2013 Anul confirmării titlului de Doctor: 2014

A1.2. Titlul tezei: : "Recherche sur le système de management environnemental comme un processus complexe au sein des organisations"

Domeniul de doctorat: Science de l'Ingénieur

Anul susținerii tezei: 2013 Anul confirmării titlului de Doctor: 2014

A2. Teza de potdoctorat

A2.1. Titlul tezei: "Evaluarea statistica a sustanabilitatii organizationale"

Domeniul: Cibernetica si statistica

Anul susținerii tezei: 2021 Anul eliberarii adestatului de studii postdoctorale: 2022

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Nr.crt.	Titlul lucrării
Cărţi/manuale/monografii/ capitole de specialitate ca autor in edituri internationale	
1.	*The Implementation of a New Technology Based on the Monte Carlo Simulation in the Field of Sustainable Dependability in Operation,* **Herghiligiu I.**, Vilcu A., Pislaru M., capitol în Innovation in Sustainable Management and Entrepreneurship, Editori: Prostean G., Villahoz J.J.L., Brancu L., Bakacsi G., Springer Proceedings in Business and Economics. Springer, Cham., 333-344, 2020. ISBN: 978-3-030-44711-3.

2.	*EMS Implementation: A Theoretical Process Design Approach*, **Herghiligiu I.V.**, Robu I.B., capitol în Organizations and Performance in a Complex World, Editori: Orăștean R., Ogrean C., Mărginean S.C., Springer Proceedings in Business and Economics, Springer, Cham., 67-78, 2020. ISBN: 978-3-030-50676-6.
3.	*Environmental management: EMS as organizational complex process*, **Herghiligiu I.V.**, Ed. Tehnica-Info, Chisinau, Moldova, 2019, ISBN 978-9975-63-452-6. 504.06 H 51.
4.	*Corporate social responsibility practices*, **Herghiligiu I.V.**, Ed. Tehnica-Info, Chisinau, Moldova, 2016, ISBN 978-9975-63-397-0. 334:316.43 H 51.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

Nr.crt.	Titlul lucrării
Cărți/manuale/monografii/ capitole de specialitate ca autor in edituri nationale (edituri recunoscute)	
1.	*Research and technological transfer in footwear manufacturing*, Bilalis N., Antoniadis A., Souto Bizarro R., **Herghiligiu I.V.**, Ed. Performantica, Iaşi, Romania, 2018, ISBN 978-606-685-593-8.
2.	*Management și ingineria sistemelor de producție – note de curs, Ediția a doua revizuită și actualizată*, **Herghiligiu I.V.**, Lupu L.M., Ed. Performantica, Iaşi, Romania, 2024. ISBN-978-630-328-121-6.
3.	*Management și ingineria sistemelor de producție – îndrumar de lucrări și proiect, Ediția a doua revizuită și completată*, **Herghiligiu I.V.**, Ed. Performantica, Iaşi, Romania, 2024. ISBN-978-630-328-122-3.
4.	*Management și ingineria sistemelor de producție – note de curs*, **Herghiligiu I.V.**, Lupu L.M., Ed. Performantica, Iaşi, Romania, 2019, ISBN 978-606-685-675-1
5.	*Management și ingineria sistemelor de producție – îndrumar de lucrări și proiect,* **Herghiligiu I.V.**, Ed. Performantica, Iaşi, Romania, 2019, ISBN 978-606-685-678-2
6.	*Managementul mediului – note de curs*, **Herghiligiu I.V.**, Lupu L.M., Ed. Performantica, Iaşi, Romania, 2024, ISBN 978-630-328-113-1

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

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E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

Nr.crt.	Titlul lucrării
Cărţi/manuale/monografii/ capitole de specialitate ca autor publicate pe web	
1.	*Managementul mediului – elemente construcție sistem de management de mediu*, **Herghiligiu I.V.**, exemplificări elemente proiect (format electronic), Universitatea Tehnică "Gheorghe Asachi" din Iași, domeniul de licență – Inginerie și management, 2020. Managementul mediului – elemente construcție sistem de management de mediu_Herghiligiu_2020.pdf (tuiasi.ro)
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F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

Nr. crt.	Titlul articolului
F.1. Articole indexate în reviste WoS și în volumele unor manifestări științifice indexate WoS, vizibile în baza de date	
Articole în reviste cotate WoS	
1.	*Digital transformation of the supply chain in the raw materials area: a case study for FMS factory,* Vîlcu A., Palici A., Pîslaru M., Herghiligiu I.V., Lăzărescu R., Leontică L. (Căs. Aioanei) Grămăticu V. (Căs. Damaschin), Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, 68(IV), 1035-1047, 2025. https://www.atna-mam.utcluj.ro/index.php/Acta/article/view/2981/2367
2.	*Sustainable innovation management model based on Value Engineering Method,* Vilcu A., Palici A., **Herghiligiu I.V.**, Pislaru M., Ionesi S-D., Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, 67, 1337-1346, 2024. WOS:001469721900047 https://www.webofscience.com/wos/woscc/full-record/WOS:001469721900047
3.	*Information System Evaluation from a Green Production Management Perspective in an Automotive Sector Company,* Pohontu-Dragomir S.C., **Herghiligiu I.V.**, Vilcu A., Cojocaru M., Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, 67(2), 841-848, 2024. WOS:001362561700042 https://www.webofscience.com/wos/woscc/full-record/WOS:001362561700042
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5.	*Digital security system with artificial intelligence module for data communications into manufacturing company,* Vilcu A., Todiric D., **Herghiligiu I.V.**, Verzea I., Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, 66(4), 529-538, 2023. WOS:001236162800001. https://www.webofscience.com/wos/woscc/full-record/WOS:001236162800001

6.	*Sustainable Corporate Performance Based on Audit Report Influence: An Empirical Approach through Financial Transparency and Gender Equality Dimensions*, **Herghiligiu I.V.**, Robu I.B., Istrate M., Grosu M., Mihalciuc C.C., Vilcu A., Sustainability, 15(18), 14033, 2023. WOS:001145327300001. https://doi.org/10.3390/su151814033. **Articol publicat în revistă din quartila: Q2** https://www.webofscience.com/wos/woscc/full-record/WOS:001145327300001
7.	*Mergers & Acquisition Decisions in the Energy Sector Based on Financial Transparency and Audit Opinions,* Robu I.B., Aevoae G.M., Mardiros D.N., **Herghiligiu I.V.**, Eastern European Economics, Routledge Journals, Taylor & Francis LTD, 1–37, 2023. WOS:001026472900001. https://doi.org/10.1080/00128775.2023.2225484. https://www.webofscience.com/wos/woscc/full-record/WOS:001026472900001
8.	*Can Teleworking Lead to Economic Growth during Pandemic Times? Empirical Evidence at the European Union Level,* Robu I.B., Dicu R.M., **Herghiligiu I.V.**, Sahlian D.N., Vuta M., 12(1), 154, 2023. WOS:000910266700001. https://doi.org/10.3390/electronics12010154. **Articol publicat în revistă din quartila: Q2** https://www.webofscience.com/wos/woscc/full-record/WOS:000910266700001
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11.	*Inventory mission at the half of the 17th century*, Istrate C., Robu I.B., **Herghiligiu I.V**., Balan C.B., European Journal of Science and Theology, 2020, 16(1), 11-21. WOS:000510144900002 https://www.webofscience.com/wos/woscc/full-record/WOS:000510144900002
12.	*Sustainable EMS integration and business performance: a balance assessment approach using fuzzy logic*, **Herghiligiu I.V**., Robu I.B., Pislaru M., Vilcu A., Asandului A.L., Avasilcai S., Balan C.B., Sustainability Journal, 11, 5311, 2019. WOS:000493525500170 https://doi.org/10.3390/su11195311. **Articol publicat în revistă din quartila: Q2** https://www.webofscience.com/wos/woscc/full-record/WOS:000493525500170
13.	*Corporate sustainable performance assessment based on fuzzy logic*, Pislaru M., **Herghiligiu I.V**., Robu I.B., **Journal of Cleaner Production**, 223, 998-1013, 2019. WOS:000466253100082. https://doi.org/10.1016/j.jclepro.2019.03.130. **Articol publicat în revistă din quartila: Q1** https://www.webofscience.com/wos/woscc/full-record/WOS:000466253100082
14.	*Indicators system for assessing the organizational knowledge acquisition process*, Cososchi D.G.L., Luca A., Lupu L.M., **Herghiligiu I.V.**, Environmental Engineering and Management Journal, 17 (4), 937-950, 2018. WOS:000431134900019. https://www.webofscience.com/wos/woscc/full-record/WOS:000431134900019
15.	*Analysis of companies sustainability under the influence of environmental information disclosure,* Istrate C., Robu I.B., Păvăloaia L., **Herghiligiu I.V.,** Environmental Engineering and Management Journal, 16 (4), 957-967, 2017. WOS:000405831300021. https://www.webofscience.com/wos/woscc/full-record/WOS:000405831300021

16.	*Research on factors that determines the quality of environmental management systems implementation in the case of Romanian organizations,* **Herghiligiu I.V.,** Lupu M.L., Robledo C., Kobi A. Environmental Engineering and Management Journal, 13 (8), 1893-1900, 2014. https://doi.org/10.30638/eemj.2014.209. WOS:000345902900007. https://www.webofscience.com/wos/woscc/full-record/WOS:000345902900007
17.	*A new conceptual framework for environmental decision at the organizational level based on fractal philosophy*, **Herghiligiu I.V.,** Lupu M.L., Robledo C., Kobi A., Environmental Engineering and Management Journal, 12 (5), pp. 1095-1102, ISSN: 1843-3707, 2013. https://doi.org/10.30638/eemj.2013.134. WOS:000325283100030. https://www.webofscience.com/wos/woscc/full-record/WOS:000325283100030

Nr. crt.	Titlul articolului
F.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	
Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	
1.	*Bibliographic approach regarding organizational integration of human resource with special needs*, Ciobanu M., Lupu L.M., **Herghiligiu I.V.,** Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Secţia Ştiinţa şi Ingineria Materialelor, 70(74), 1-4, 2024.
2.	*Statistical research in human resource management in public institutions*, Vilcu A., Teodorescu G.D., **Herghiligiu I.V.,** Cojocaru M., Lazarescu R., Proceedings of the 8th International Symposium "Technical Textiles - Present and Future", Eds. Rodica Harpa, Cristina Piroi, Adrian Buhu and Luminița Ciobanu, 215-222, 2023. (Sciendo – De Gruyter Group). ISBN: 978-83-67405-35-5 https://doi.org/10.2478/9788367405355-033 https://sciendo.com/chapter/9788367405355/10.2478/9788367405355-033
3.	*Evaluation of Technical Resilience and its Estimation by the Least Squares Method,* Vilcu A., **Herghiligiu I.V.,** Verzea I., Pislaru M., International Journal of Modern Manufacturing Technologies, XV, 3, 208-2013, 2023. https://doi.org/10.54684/ijmmt.2023.15.3.208
4.	*Incremental Innovation Methodology that Combines Computerized Modelling and Simulation with Value Analysis and Engineering Method,* Vilcu A., Nacu I., Vîrlan B., **Herghiligiu I.V.,** Lupăcescu S., Dragomir A., Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics Section, 68(72), 4, 27-43, 2022. https://doi.org/10.2478/bipie-2022-0020 https://intapi.sciendo.com/pdf/10.2478/bipie-2022-0020 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:LjlpjdlvIbIC
5.	*Computerized Device for Monitoring ECG and PPG Signals-Design and Redesign Based on Value Engineering Method,* Vilcu A., Luncă E., Vornicu S., **Herghiligiu I.V.,** Toporăscu C., Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics Section, 68(72), 3, 57-74, 2022. https://doi.org/10.2478/bipie-2022-0017. https://intapi.sciendo.com/pdf/10.2478/bipie-2022-0017 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:WqliGbK-hY8C
6.	*New structural equation model for assessing youth adults' resilience,* Vilcu A., Lazarescu R., **Herghiligiu I.V.,** Proceedings of the 8th Review of Management and Economic Engineering

	International Management Conference - "Management Challenges and Opportunities in the Post-Pandemic Reality", 308-3017, 2022. ISSN 2247 – 8639. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:SdhP9T11ey4C
7.	*A New Neuro-Fuzzy System for Technical Dependability Assessment,* Vilcu A., **Herghiligiu I.V.,** Lazarescu R.,Verzea I., Proceedings of the 8th Review of Management and Economic Engineering International Management Conference - "Management Challenges and Opportunities in the Post-Pandemic Reality", 318-326, 2022. ISSN 2247 – 8639. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:eq2jaN3J8jMC
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10.	*Statistical Methodology for the Decision-Making Process in a Company,* Vilcu A., David I., **Herghiligiu I.V.,** Pislaru M., "The 18-th Romanian Textiles and Leather Conference" – CORTEP'2022, Sciendo, 412-418, 2022. https://doi.org/10.2478/9788367405133-062 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:PELIpwtuRlgC
11.	*Statistically Based Decisions for a Human Resources Problem,* Vilcu A., **Herghiligiu I.V.,** Lazarescu R., Vilcu C., "The 18-th Romanian Textiles and Leather Conference" – CORTEP'2022, Sciendo, 405-411, 2022. https://doi.org/10.2478/9788367405133-061 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:_B80troHkn4C
12.	*Information Systems - Enhance Innovation: Reflections on Delone And Mclean Model,* Pohontu-Dragomir S.C., **Herghiligiu I.V.,** "The 18-th Romanian Textiles and Leather Conference" – CORTEP'2022, Sciendo, 419-424, 2022. https://doi.org/10.2478/9788367405133-063 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:tkaPQYYpVKoC
13.	*Statistical Model with Artificial Intelligence Components for the Dependability of a Textile Process,* Vilcu A., **Herghiligiu I.V.,** Pislaru M., Robu I.B., 7th edition of the „Technical Textiles-Present and Future" International Symposium, TTPF 2021, Sciendo, 288-295, 2021. https://doi.org/10.2478/9788366675735-046 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:HE397vMXCloC
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19.	*Egg before Chicken Paradigm: Testing Accounting Quality for Target Companies in M&As, by Using Circular Causalities under VAR and SEM,* Robu I.B., Aevoae G.M., **Herghiligiu I.V.,** Dicu R.M., Sandu C.B., Proceedings of the 16th International Conference Accounting and Management Information Systems AMIS 2021, 218-229, 2021. https://amis.ase.ro/2021/docs/AMIS2021Proceedings.pdf#page=218 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:5ugPr518TE4C
20.	*Managing research and innovation: e-learning training program supporting managers to re-engineer the footwear sector*, Sarghie B., Mihai A., **Herghiligiu I.**, Seul A., Baslar A., INTED2021 Proceedings, 15th International Technology, Education and Development Conference, 8-9 Martie, 5417-5424, 2021. https://library.iated.org/view/SARGHIE2021MAN https://scholar.google.com/citations?view_op=view_citation&hl=en&user=a5fxN-oAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=a5fxN-oAAAAJ:bnK-pcrLprsC
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Nr. crt.	**Titlul articolului**
F.3. Articole în extenso în reviste/ volumele unor manifestări științifice naționale/ internaționale neindexate	
Articole în extenso în reviste/ volumele unor manifestări științifice naționale/ internaționale neindexate	
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2.	*Sustainable Decisions in M&As Based on Audit Opinion and Financial Transparency. Empirical Evidence Regarding the Energy Sector from BRICS Countries,* Robu I.B., Toma C., Aevoae G.M., **Herghiligiu I.V.**, Sandu C.B., Proceedings of the 16 th International Conference Accounting and Management Information Systems AMIS 2022, 182-201, 2022. ISSN 2247-6245. ISSN-L 2247-6245.
3.	*Organisational Behaviour Model Based on Principal Component Analysis Assessmen,* Vilcu A., **Herghiligiu I.V.**, Proceedings of the 39 th International Business Information Management Association Conference (IBIMA), Business Excellence and Innovation Management: A 2025 Vision to Sustain Economic Development in the Era of Pandemic, Editor Khalid S. Soliman, 2386-2392, 2021. ISBN: 978-0-9998551-8-8. ISSN: 2767-9640.
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8.	*Analyze of Relationship Between the Intellectual Capital and The Stages of Acquisition Process of Organizational Knowledge,* Luca (Cososchi) D.G., Luca A., Lupu L.M., **Herghiligiu I.V.**, *Proceedings of 16th Romanian Textiles and Leather Conference - CORTEP 2016,* 27-29 October 2016 Iaşi, Romania, Editor:Conf. Univ. dr. ing. Manuela Avadanei (coord.), Editura Performantica Institutul Naţional de Inventică, Iaşi, ISSN-L 2285-5378, 416-423, 2016.
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G. Lucrări ştiinţifice publicate în reviste din străinătate.

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H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

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I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I.1. Articole în volumele unor manifestări ştiinţifice indexate WoS, vizibile în baza de date	
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29.	*Research on green entrepreneurship Management,* Lupu M.L., **Herghiligiu I.V.**, International Conference: „ModTech International, *Modern Technologies, Quality and Innovation - New face of TMCR,* 25-27 May 2011", Vadul lui Voda-Chisinau, Republic of Moldova, Book II, ISSN 2069-6736, pp. 605 – 608, 2011. WOS:000392260500152. https://www.webofscience.com/wos/woscc/full-record/WOS:000392260500152

J. Invenţii.

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K. Contracte de cercetare.

Nr.crt.	Titlul grantului/ proiectului
K.1. Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic	
K.1.1. Director/ Responsabil:	
K.1.1.1. Nationale	
1.	Titlul proiectului: *Evaluarea rolului digitalizării în contextul sustenabilității organizaționale pe baza unui cadru inovativ de metode statistice și tehnici soft-computing* – acronim: DIGIT-SUS-EV; Proiect de cercetare a Academiei Oamenilor de Știință Din România, AOSR-TEAMS II EDIȚIA 2023-2024, Transformarea Digitală în Științe; Numar contract/ tip: 11/ 11.04.2023; Valoare proiect: 45000 lei; Perioada/ anul: 2023-2024; Director/ responsabil proiect: Conf.univ.dr.habil. Ionuț Viorel Herghiligiu. https://www.aosr.ro/wp-content/uploads/2023/03/REZULTATE-FINALE-SITE-Comp-proiecte-2023-2024.pdf
2.	Titlul proiectului: *Solutii fractale dedicate integrarii SMM in vederea imbunatatirii performantei afacerilor*; Grant National de Cercetare; Numar contract/ tip: Grant ARUT GnaC2018_119/ 2019; Valoare proiect: 47440 (exclusiv TVA); Perioada/ anul: 2019-2020; Director/ responsabil proiect: Conf.univ.dr.habil. Ionuț Viorel Herghiligiu.
3.	Titlul proiectului: *Cercetări privind impactul indus mediului de activitățile desfășurate de SC KNUTH-ALLMETECH SRL în punctul de lucru din localitatea Tomești, jud. Iași, platforma industriala Comtom, Hala G4I*; Numar contract/ tip: Agent economic nr. 7798/ 2021; Valoare proiect: 29869 lei (inclusiv TVA)/ 25100 lei (exclusiv TVA); Perioada/ anul: 2021; Director/ responsabil proiect: Conf.univ.dr.habil. Ionuț Viorel Herghiligiu.
K.1.1.2. Membru în echipă	
K.1.1.2.1 Internationale	
1.	Titlul proiectului: *Knowledge Platform for Transferring Research and Innovation in Footwear Manufacturing* – K4F; Numar contract/ tip: 2015-1-RO01-KA203-015198; Valoare proiect:

	167440 lei (exclusiv TVA); Perioada/ anul: 2015 – 2018; Director/ responsabil proiect: Prof.univ.dr.ing. Aura Mihai (Adeverință D.M.M.P - TUIASI) http://www.knowledge4foot.eu/
2.	Titlul proiectului: *Matrix of knowledge for innovation and competitiveness in textile enterprises* – TEXMATRIX; Numar contract/ tip: 2016-1-RO01-KA202-024498; Valoare proiect: 95625 lei (exclusiv TVA); Perioada/ anul: 2016 – 2018; Director/ responsabil proiect: Prof.univ.dr.habil.ing. Mirela Blaga http://www.texmatrix.eu/
3.	Titlul proiectului: *Manager for an Efficient and Innovative Footwear Industry* – SHOEMAN; Numar contract/ tip: 2017-1-TR01-KA202-046427; Valoare proiect: 179454 lei (exclusiv TVA); Perioada/ anul: 01.12.2017 – 30.11.2020; Director/ responsabil proiect: Prof.univ.dr.ing. Aura Mihai https://shoemanproject.org/
4.	Titlul proiectului: *Haw to Implement Sustainable Manufacturing in Footwear – new occupational profile and training opportunities* – STEP TO SUSTENABILITY; Numar contract/ tip: 539823-LLP-1-2013-1-PT-LEONARDO-LMP; Valoare proiect: 179550 lei (exclusiv TVA); Perioada/ anul: 01.11.2013 – 31.03.2016; Director/ responsabil proiect: Prof.univ.dr.ing. Aura Mihai http://www.step2sustainability.eu/
5.	Titlul proiectului: *Developing Innovative and Attractive CVET programmes in industrial shoe production* – DIA-CVET; Numar contract/ tip: 2020-1-DE02-KA202-007600; Valoare proiect: 256760 lei (exclusiv TVA); Perioada/ anul: 2020 – 2022; Director/ responsabil proiect: Prof.univ.dr.ing. Aura Mihai https://dia-cvet.eu/
K.1.1.2.2 Nationale	
6.	Titlul proiectului: *Croieste-ti viitorul cu incredere la Facultatea de Textile-Pielarie si Management Industrial* din Universitatea Tehnica Gheorghe Asachi din Iasi; Numar contract/ tip: 89/SGU/NC/1; Valoare proiect: 679996 lei (exclusiv TVA); Perioada/ anul: 01.01.2018 – 01.02.2020; Director/ responsabil proiect: Prof.univ.dr.habil.ing. Ionut Dulgheriu
7.	Titlul proiectului: *Internationalizarea educatiei pentru student la TUIASI* – INTERES TUIASI; Numar contract/ tip: CNFIS-FDI-2019-0021; Valoare proiect: 497000 lei (exclusiv TVA); Perioada/ anul: 2019; Director/ responsabil proiect: Prof.univ.dr. Irina Lungu
8.	Titlul proiectului: *Dezvoltare instituţională pentru competenţe transversale în TUIASI* – TechGO2; Numar contract/ tip: CNFIS-FDI-2023-F-0016; Valoare proiect: 215000 lei (exclusiv TVA); Perioada/ anul: 27.03.2023 – 15.12.2023; Director/ responsabil proiect: Prof.univ.dr. Alina Minea
9.	Titlul proiectului: *Improving the audit quality in Romania based on fuzzy logic*; Numar contract/ tip: PN-III-P1-1.1-TE-2019-1642; Valoare proiect: 428150 lei; Perioada/ anul: 01.11.2020 – 31.10.2022.

L. Premii, distincţii.

Nr. crt	Denumire premiu
L.1 Premii	
L.1.1 premii internaționale	
1.	**Medalie de argint:** *Organizational Sustainability: Neural Network Modeling for Probability-Based Scoring,* Herghiligiu I.V., Robu I.B., Vilcu A., Pislaru M., Ivascu L., Pohontu-Dragomir C.S., Budeanu C.I., 17th European Exhibition of Creativity and Innovation, Iasi, Romania, 8-10 May 2025

2.	**Medalie de bronz:** *Financial statement fraud detection with support vector machine,* Burlacu G., Robu I.B.,, Herghiligiu I.V., 17th European Exhibition of Creativity and Innovation, Iasi, Romania, 8-10 May 2025.
3.	**Medalie de excelenta:** *Sustainable or just greenwashing experts? An analysis of companies listed on the Bucharest Stock Exchange,* Rosca I.D., Robu I.B.,, Herghiligiu I.V., Chiru C.S., 17th European Exhibition of Creativity and Innovation, Iasi, Romania, 8-10 May 2025
4.	**Medalie de argint:** *Fraud Risk Assessment Using Artificial Neural Network***,** Burlacu G., Robu I.B.,, Herghiligiu I.V., 16th European Exhibition of Creativity and Innovation, Iasi, Romania, 6-8 June 2024
5.	**Medalie de argint:** *Exploratory Study on the Influence of Audit Opinion on the Share Prices of Companies Listed on the Bucharest Stock Exchange,* Mocanu A., Robu I.B.,, Herghiligiu I.V., 16th European Exhibition of Creativity and Innovation, Iasi, Romania, 6-8 June 2024
6.	**Medalie de argint:** *Technical resilience - models, metrics, methods and algorithms*, Vilcu A., Herghiligiu I.V., Robu I.B., Pislaru M., Verzea I., Ivascu L., Herghiligiu C.M., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.
7.	**Medalie de bronz:** *Organizational sustainability score – probability approach using fuzzy logic*, Herghiligiu I.V., Robu I.B., Pislaru M., Ivascu L., Herghiligiu C.M., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.
8.	**Medalie de excelenta in inovare:** *Fraud Risk Analysis and Assessment in Financial Auditing under the Covid-19 Influenc*e, Burlacu G., Robu I.B., Herghiligiu I.V., Vilcu A., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.
9.	**Diploma de excelenta:** *Development Of Organizational Innovation Capability By Delone And Mclean Model*, Pohonțu-Dragomir S.C., Herghiligiu, I.V., Vilcu A., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.
10.	**Diploma de excelenta:** *Management si ingineria sistemelor de productie – indrumar de lucrari si proiect*, Herghiligiu I.V., Ed. Performantica, Iaşi, Romania, 2019, ISBN 978-606-685-678-2, EUROIENVENT 2023 Book Salon, 11-13 mai, Iasi, Romania.
11.	**Medalie de argint:** *Management si ingineria sistemelor de productie – note de curs*, Herghiligiu I.V., Lupu L.M.,, Ed. Performantica, Iaşi, Romania, 2019, ISBN 978-606-685-675-1. EUROIENVENT 2023 Book Salon, 11-13 mai, Iasi, Romania.
12.	**Medalie de bronz:** *Using fuzzy logic in energy sector M&AS, based on sustainability dimensions and audit opinion*, Robu I.B., Herghiligiu I.V., Dicu R., Aevoae G.M., Vîlcu A., Balan C.. EUROIENVENT 2022, 14th European Exhibition of Creativity and Innovation Iasi, Romania, 26-28 May 2022
13.	**Medalie de argint:** *The evolution of teleworking in the European Union based on fuzzy logic. Empirical evidence during the COVID 19 pandemic*, Dicu R., Aevoae G.M., Robu I.B., Herghiligiu I.V., Vîlcu A., Sandu C.B., EUROIENVENT 2022, 14th European Exhibition of Creativity and Innovation Iasi, Romania, 26-28 May 2022
14.	**Medalie de argint:** *The importance of Monte Carlo - based technologies in operational management*, Vîlcu A., Herghiligiu I.V., Robu I.B.., EUROIENVENT 2022, 14th European Exhibition of Creativity and Innovation Iasi, Romania, 26-28 May 2022
15.	**Diploma de excelenta:** *Business sustainability assessment operated to identify an associated profile*, **Ionut Viorel Herghiligiu**, Ioan-Bogdan Robu, Adrian Vilcu, Marius Pislaru, EUROIENVENT 2021 - 13th European Exhibition of Creativity and Innovation, Iasi, Romania, 20-21 May 2021
16.	**Medalie de aur:** *Statistical model on technical system powered by artificial intelligence*, Adrian Vîlcu, **Ionuț Herghiligiu**, Bodan Robu. EUROIENVENT 2021 - 13th European Exhibition of Creativity and Innovation, Iasi, Romania, 20-21 May 2021
17.	**Medalie de aur:** Fractal solutions to EMS integration in order to improve business performance, The 23rd International Exhibition of Inventics - "INVENTICA 2019*"* Iași, România [ARUT grant/ **Ionut Viorel HERGHILIGIU**,]
18.	**Outstanding contribution in reviewing:** JOURNAL OF CLEANER PRODUCTION, Elsevier, Amsterdam, The Netherlands
19.	**Premiul Special –** acordat de Lodz University of Technology, Institute of Applied Computer Science: *Benchmarking stdy of the innovation in textile enterprise at European level*,

	PROINVENT, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, Editia XVI, 21-23 martie 2018, Cluj Napoca, RO.
20.	**Medalie de aur** si diploma de excelenta: *Benchmarking stdy of the innovation in textile enterprise at European level*, PROINVENT, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, Editia XVI, 21-23 martie 2018, Cluj Napoca, RO.
21.	**Medalie de bronz :** *Eco-intelligent system for environmental sustainability assessment based on soft-computing techniques integrated framework. INTEL-ECO,* EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018
22.	**Diploma de excelenta:** *Assessing sustainable development of the Romanian listed companies based on hierarchical fuzzy logic,* EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018
23.	**Diploma de excelenta:** *Fractal design solutions for EMS integration in order to improve business performance*, EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018]
24.	**Medalie de argint**: *Fractal design: the ultimate state to improve EMS integration*, EUROINVENT, 9th European Exhibition of Creativity and Innovation, Iasi, Romania, 25-27 May 2017
25.	**Medalie de argint**: *Environmental Fraud Risk assessment based on Fuzzy approach*, EUROINVENT, 9th European Exhibition of Creativity and Innovation, Iasi, Romania, 25-27 May 2017
26.	**Medalie de aur**: *Theoretical framework regarding the organizational factors which determines the EMS implementation,* THE 20th INTERNATIONAL SALON OF RESEARCH, INNOVATION AND TECHNOLOGICAL TRANSFER “INVENTICA 2016” IASI: 29.06–01.07.2016, ROMÂNIA, ISSN: 1844-7880
27.	**Medalie de aur**: *Evaluation framework of the organizational corporate social responsibility (CSR) practices,* THE 20th INTERNATIONAL SALON OF RESEARCH, INNOVATION AND TECHNOLOGICAL TRANSFER “INVENTICA 2016” IASI: 29.06–01.07.2016, ROMÂNIA, ISSN: 1844-7880
28.	**Medalie de aur**: *Analytical procedures used in environmental fraud auditing,*THE 20th INTERNATIONAL SALON OF RESEARCH, INNOVATION AND TECHNOLOGICAL TRANSFER “INVENTICA 2016” IASI: 29.06–01.07.2016, ROMÂNIA, ISSN: 1844-7880
29.	**Medalie de argint**: *Environmental fraud risk assessment matrix,* EUROINVENT, 8th European Exhibition of Creativity and Innovation, 19-21 May 2016, Iaşi Romania, ISBN: 987-606-775-212-0
30.	**Medalie de argint**: *A theoretical framework regarding the Environmental management system as organizational complex process,* EUROINVENT,7th European Exhibition of Creativity and Innovation, 14-16 May 2015, Iaşi Romania, ISBN: 978-606-13-2474-3
31.	**Medalie de argint**: *A theoretical framework regarding the assessment of the Environmental Fraud Risk,* EUROINVENT, 7th European Exhibition of Creativity and Innovation, 14-16 May 2015, Iaşi Romania, ISBN: 978-606-13-2474-3
32.	**Medalie de aur**: *Environmental decision seen as a fractal process*, EUROINVENT, 5th European Exhibition of Creativity and Innovation, 9-11 May 2013, Iaşi, România, ISBN: 978-973-703-891-3
33.	**Medalie de argint**: *Fractal design: A new path to improve the dynamic of organizational competitiveness*, EUROINVENT, 6th European Exhibition of Creativity and Innovation, 22-24 May 2014, Iaşi Romania
L.1.2 premii naționale în domeniu	
34.	**Premiul de excelenta stiintifica al revistei Audit Financiar** [Camera Auditorilor Financiari din Romania] – pentru articolul „Fundamentarea deciziilor privind investițiile de portofoliu pe baza opiniei de audit în cazul firmelor cotate la Bursa de Valori București”, Congresul al VII-lea al profesiei de auditor financiar – CAFR 2021; autori: Aevoae G., Robu I.B., Dicu R., **Herghiligiu I.V.**

35.	**Diploma de excelenta:** *Process design: a theoretical approach to organizational EMS implementation,* Simpozionul Internaţional “Universul Ştiinţelor“, Ediţia a VIII-a, 22 octombrie 2017, Iasi, Romania
36.	**Diploma de excelenta:** *Organizational barriers associated to environmental management system integration,* Simpozionul Internaţional “Universul Ştiinţelor“, Ediţia a VIII-a, 22 octombrie 2017, Iasi, Romania

M. Alte realizări semnificative.

-

Data,
13.012026

Prof.dr.habil. Ionut Viorel HERGHILIGIU

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE MANAGEMENT
Programul de studii de licență: INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Numele și prenumele: Lăzărescu Raluca Petronela

A. Teze de doctorat.

1. "Resursele umane în strategia comercială a întreprinderilor din industria textilă", Universitatea Tehnică „Gheorghe Asachi" din Iași, domeniul „Inginerie industrială", conducator de doctorat: prof. univ. dr. ec. Petre Mâlcomete, titlul științific de doctor oferit prin Ordinul Ministrului Educației Naționale nr. 3030 din 13.01.2009.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Vîlcu, A., Lăzărescu, R., P., Neuro-fuzzy modelling for assessing green behaviour in higher education, Green Intelligence. Carbon Footprint Assessment in Digital Economy, Chapter 4, Editors: Larisa Ivașcu, Marius Pislaru, Muddassar Sarfraz, CRC Press, Taylor and Francis Group, eBook ISBN9781003518990 https://doi.org/10.1201/9781003518990
2. Pohonțu-Dragomir, Ș., C., Herghiligiu, I., V., Pîslaru, M., Lăzărescu, R., P., Enhanced Model for Evaluating the Information Systems Success from the Sustainability Management Perspective, Chapter 5, Editors: Larisa Ivașcu, Marius Pislaru, Muddassar Sarfraz, CRC Press, Taylor and Francis Group, eBook ISBN9781003518990 https://doi.org/10.1201/9781003518990

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. Lăzărescu, R. P., (2024), Comunicare și negociere în afaceri. Studii de caz. Exerciții. Teste, editura Performantica, Iași, ISBN 978-630-328-078-3 2024, 180 pg.
2. Lăzărescu, R., P, (2023) Managementul întreprinderii simulate, editura Performantica, ISBN 978-630-328-049-3, 170 pg.
3. Alexa, L., Lăzărescu, R.P. (2022). Managementul marketingului. Teorie. Aplicații. Teste grilă. Ed. Performantica, Iași, ISBN 978-606-685-961-5, 240 pg.
4. Luca, G. P., Lăzărescu, R. P., Verzea, I., (2015), Abordarea strategică a mixului de marketing pentru afacerile de succes, Ed. Performantica, Iași, ISBN – 978-606-685-333-0, 234 pg
5. C. Istrate, Condurache Gh., Lăzărescu, R.P, (2011), Îndrumar de practică – pentru studenţii anului II, ed. Performantica, Iaşi, ISBN – ISBN-978-973-730-802-3, 64 pg.
6. C. Istrate, Condurache Gh., Lăzărescu, R.P, Sârbu Fl., (2011), Caiet de practică - pentru studenţii anului II, ed. Performantica, Iaşi, ISBN – 978-973-730-823-8, 64 pg.
7. Lăzărescu, R. P., (2010), Resursele umane în activitatea comercială a firmei, Editura Performantica, Iaşi, ISBN 973-730-751-8, 164 pg.

8. Condurache, Gh., Lăzărescu (Drăgoi), R.,P., ş.a., (2006), Întreprinderea simulată: o metodă modernă de pregătire pentru instruirea studenţilor – PRENTEAM, Editura Performantica, Iaşi, ISBN 978-973-730-196-3, 238 pg., 9 autori, capitol: Activitatea comercială în cadrul firmei simulate – 31 pg (pg 35-66)
9. Voicu, M., Lăzărescu (Drăgoi), R.,P., (2004), Comunicare interumană, Editura Performantica, Iaşi, ISBN 978-973-7994-41-8, 182 pg.
10. Rusu, C., Lăzărescu (Drăgoi), R.,P., ş.a., (2002), Comerţ intern şi internaţional. Manual de Inginerie Economică. Editura Dacia, Cluj-Napoca, ISBN 973- 35-1501-9, 300 pg.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local -

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. Lăzărescu, R., P. (2024). Disciplină: Comunicare. Suport de curs în format electronic, https://edu.tuiasi.ro/pluginfile.php/209953/mod_resource/content/1/comunicare_curs_.pdf
2. Lăzărescu, R., P. (2024). Disciplină: Comunicare. Aplicații în format electronic, .https://edu.tuiasi.ro/pluginfile.php/209954/mod_resource/content/1/comunicare_seminar_.pdf
3. Lăzărescu, R., P. (2020). Disciplină: Managementul întreprinderii simulate. Suport de curs, format electronic, 108 pg.https://edu.tuiasi.ro/pluginfile.php/197068/mod_resource/content/1/MIS_curs.pdf
4. Lăzărescu, R., P. (2024). Disciplină: Management industrial. Suport de curs și aplicații, https://edu.tuiasi.ro/pluginfile.php/197069/mod_resource/content/1/MI_curs%2Baplica%C8%9Bii.pdf
5. Lăzărescu, R., P. (2023). Disciplină: Comunicare și negociere în afaceri, Suport de curs și aplicații, https://edu.tuiasi.ro/pluginfile.php/197070/mod_resource/content/1/CNA_curs%2Baplica%C8%9Bii_.pdf
6. Lăzărescu, R. P. (2023). Disciplină: Etică și integritate, suport de curs și aplicații https://edu.tuiasi.ro/pluginfile.php/208234/mod_resource/content/1/Etic%C4%83%20%C8%99i%20Integritate.pdf

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

Articole publicate în reviste cotate ISI Thomson-Reuters:

Tudose, M. B., Lăzărescu, R. P., & Clipa, R. I., Economists vs. Engineers—Assessing Students' Entrepreneurial Intentions from the Perspective of Mindset and Resilience. Administrative Sciences, 15(7), 284, 2025 https://doi.org/10.3390/admsci15070284

Articole în reviste indexate BDI:

1. Vîlcu, A., Herghiligiu, I., Verzea, I., Lăzărescu, R., P., A new PSO-based algorithm for an operational management problem, International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIV, No. 3 / 2022 (2022) https://doi.org/10.54684/ijmmt.2022.14.3.299
2. Lăzărescu, R., P., Vîlcu, A., Hierarchical PCA for formal group behavior modelling, International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIV, No. 3 / 2022 Link: https://doi.org/10.54684/ijmmt.2022.14.3.105
3. Lăzărescu, R., P., Principii ale managementului personalului angajat în activitatea comercială a întreprinderii textile, revista de Management & Marketing, ISSN 1842-0206 anul II, nr. 1(5)/2007, https://www.ceeol.com/search/article-detail?id=216618

G. **Lucrări științifice publicate în reviste din străinătate -**

H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

Articole în reviste neindexate BDI:

1. Lăzărescu, R. P., Aspects regarding the structural and quantitative analysis of commercial human resources inside the Romanian textile company – a case study, Annals of the University of Oradea, fasc. of Textile – Leatherwork, Proceedings of International Scientific Conference "Innovative solutions for sustainable development of textile industry", volume I, 2010, no. 1
2. Lăzărescu, R. P., A model of management system regarding the commercial human resources inside the Romanian textile companies, Annals of the University of Oradea, fasc. of Textile – Leatherwork, Proceedings of International Scientific Conference "Innovative solutions for sustainable development of textile industry", volume I, 2010, no. 2
3. Voicu, M., Lăzărescu (Drăgoi), R., P., Aspects regarding the management of ethics in to the commercial activities of textile companies, Proceedings of the XIII Romanian Textile and Leather Conference, October 18-20, 2007, Iasi, Romania, Buletinul Institutului Politehnic Iasi.
4. Voicu, M., Lăzărescu (Drăgoi), R., P., The importance of communication in the professional integration process, Buletinul Institutului Politehnic Iasi, 2005.
5. Lăzărescu (Drăgoi), R., P., Ciobanu, R., M., Drăgoi, L., Pâslaru, M., Value Analysis and Engineering: A case study in the textile firm from Romania, Buletinul Institutului Politehnic Iasi, 2005.
6. Vîlcu, C., Vîlcu, M., Drăgoi (Lăzărescu), R., P., Fire tip covor din propilenă modificată. Procesare, proprietăți, Analele Universității "Aurel Vlaicu" din Arad, Proceedings of the Scientific Communications Meeting of "Aurel Vlaicu" University, seria Textile, fascicola: Tehnologii textile, 2004
7. Drăgoi, L., Vâlcu, C., Drăgoi (Lăzărescu), R., P., Contributions regarding the tribological pattern of textile machines. Buletinul Institutului Politehnic Iaşi, 2004.
8. Drăgoi (Lăzărescu), R., P., Ţepoi, M., Some aspects regarding the foreign investments conditions in Romanian textile industry. Buletinul Institutului Politehnic Iaşi, 2003.
9. Drăgoi, L., Drăgoi (Lăzărescu), R. P., Consideration regarding the compositional and aesthetic elements of the textile machines. Buletinul Institutului Politehnic Iaşi, 2003
10. Drăgoi (Lăzărescu), R., P., Drăgoi, L., Aspecte ale fiabilităţii operaţionale la maşinile de ţesut. Revista Industria Textilă, 2003.
11. Voicu, M., Drăgoi (Lăzărescu), R., P., The evaluation process of the employees' performances in textile industry. Buletinul Institutului Politehnic Iaşi, 2002.
12. Drăgoi (Lăzărescu), R., P., Drăgoi, L., Diminuarea tăriei zgomotului maşinilor textile – factor important în proiectarea şi mentenanţa utilajelor textile. Revista Industria Textilă, 2002.
13. Drăgoi (Lăzărescu), R., P., Drăgoi, L., Vâscozitatea lubrifianţilor lichizi – caracteristică prioritară în mentenanţa utilajelor textile. Revista Industria Textilă, nr.1, pp.48-50, 2002.
14. Drăgoi, L., Drăgoi (Lăzărescu), R., P., Researches regarding the maintenance of the textile machines and the implications of it to the machine's parameters, Buletinul Institutului Politehnic din Iași, Tomul XLVIII (LII), fasc. 3-4, Textile. Pielărie, 2002.

I. Lucrări științifice publicate în volumele conferințelor.

Lucrări publicate în volumele conferințelor indexate ISI Proceedings

1. Lăzărescu, R., P., Tudose, M., B., Vîlcu, C., Analyzing attachment style and resilience capacity of future entrepreneurs, Proceedings of the International Conference on Business Excellence 2025 https://www.webofscience.com/wos/woscc/full-record/WOS:001606985300001
2. Lăzărescu, R., P., Vîlcu, A., Vîlcu, C., Budeanu, C.-I., Sustainability of Emotional Development in the University Environment: A SEM analysis of the Relationship between Emotional Intelligence and Personality Factors, Proceedings of the International Conference on Business Excellence 2025 https://www.webofscience.com/wos/woscc/full-record/WOS:001540598500033
3. Lăzărescu, R., P., Vîlcu, A., A Statistical Model Regarding the Solving Problems Behavior in Formal Groups, Proceedings Of The International Conference On Business Excellence, Volume 18, Issue 1, Page 3212-3221, DOI 10.2478/picbe-2024-0261, Published JUN 1 2024, Indexed 2024-07-19, 2024 https://www.webofscience.com/wos/woscc/full-record/WOS:001262084800017
4. Vîlcu A., Lăzărescu, R., P., Herghiligiu Ionut-Viorel, Veleșcu Mădălina-Laura, Cojocaru, Mariana, Statistical Model for Evaluating the Organizational Behaviour System in Online-Onsite Environments, Proceedings of The International Conference On Business Excellence, Volume 18, Issue 1, Page 3309-3319, DOI 10.2478/picbe-2024-0270, Published JUN 1 2024, Indexed, 2024-07-16, 2024 https://www.webofscience.com/wos/woscc/full-record/WOS:001262084900014
5. Vîlcu A., Lăzărescu, R., P., Herghiligiu Ionut-Viorel, Communication Model Assessment Based on Organizational Emotional Intelligence, Proceedings of the Proceedings of the International Conference on Business Excellence, Volume 17, Issue 1, Page 475-487, DOI 10.2478/picbe-2023-0046, 2023 https://www.webofscience.com/wos/woscc/full-record/WOS:001029771300012
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23. Pâslaru, M., Trandabat, A., Schreiner, C., Lăzărescu (Drăgoi), R., P., Challenges in advanced industrial process control, Proceedings of the 4th International Conference in Management of Technological Change, The Technical University of Crete, 2005, Chania, Greece, ISBN 978-960-8475-05-2, No:BGR15, ISI Proceedings https://www.webofscience.com/wos/woscc/full-record/WOS:000249920900056
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2. Adrian Vîlcu, Gabriel-Dumitru Teodorescu, Ionuț-Viorel Herghiligiu, Mariana Cojocaru, R. P. Lăzărescu, Statistical research în human resource management in public institutions, International Symposium "Technical Textiles - Present and Future". Edition 2023 https://doi.org/10.2478/9788367405355-033
3. Lăzărescu, R., P., Vîlcu, A., Organizational Behavior Resilience Model - A Comparative Study, Resource type Conference paper, Publisher Zenodo, Conference 8th Review of Management and Economic Engineering International Management Conference: "Management Challenges and Opportunities in a Post-Pandemic Reality" , Cluj-Napoca, Romania, 22-24 September 2022 (2022) DOI: 10.5281/zenodo.10063825 https://zenodo.org/records/10063825
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9. Pîslaru M., Alexa E. L., Herghelegiu I. V., Lăzărescu R. P., Fuzzy-logic a practical tool for monitoring urban areas environmental performance, DOI: 10.5593/sgem2017/52/S20.051 Vol. 17, Issue 52, 2017, 395-402 pp
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1. Lăzărescu (Drăgoi), R., P., Drăgoi, L., Aspects Regarding the commercial personnel working in the Romanian Textile Companies. În Culegerea de lucrări ştiinţifice a Conferinţei Ştiinţifice Internaţionale „Tehnologii moderne. Calitate. Restructurare – TMCR07”, Editura Universităţii Tehnice a Moldovei, Chişinău, Republica Moldova, ISBN 978-9975-45-034-8, ISBN 978-9975-45- 037-9 , Vol. 4, pp.223-225, 2007.
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3. Drăgoi (Lăzărescu), R., P., The importance of human resources involved in quality system in the textile companies. În Culegerea de lucrări ştiinţifice Internaţionale “Tehnologii moderne. Calitate. Restructurare – TMCR05, Editura Universităţii Tehnice a Moldovei, Chişinău, Republica Moldova, 2005.
4. Drăgoi (Lăzărescu), R., P., The textile companies´ integration in EU through quality of the products. În Culegerea de lucrări ştiinţifice Internaţionale “Tehnologii moderne. Calitate. Restructurare – TMCR05, Editura Universităţii Tehnice a Moldovei, Chişinău, Republica Moldova, 2005.
5. Drăgoi (Lăzărescu) R., P., Țepoi, M., Some aspects regarding the participation of Romanian Textile companies to the fairs, The 2nd Istanbul Textile Congress, Turkey, 2004
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8. Drăgoi (Lăzărescu), R., P., Ţepoi,M., Some aspects regarding the import – export system in Romania. În Culegerea de lucrări ştiinţifice Internaţionale "Tehnologii moderne. Calitate. Restructurare – TMCR03, Editura Universităţii Tehnice a Moldovei, Chişinău, Republica Moldova, 2003.

Lucrări în proceedings naționale neindexate în BDI:

1.Tudose, M. B., Lăzărescu, R.P., The communication process – a key factor for financial performance of Romanian companies from textile industry, 17th Romanian Textiles and Leather Conference – CORTEP 2018 Iasi, 7-9 November 2018, ISSN-L 2285-5378, Editura Performantica, Iasi, pg. 259 – 265.
2. Voicu,M., Drăgoi (Lăzărescu), R., P., Evaluarea intenţiilor partenerului de negociere. A XII-a Conferinţă Română de Textile-Pielărie, CORTEP02, 2002.
3. Drăgoi (Lăzărescu),R.,P., Voicu,M., Corelaţii între stilurile de negociere şi stilurile de comunicare. A XII-a Conferinţă Română de Textile-Pielărie, CORTEP02, Iaşi, 2002.
4. Ciobanu,R.,M., Drăgoi (Lăzărescu), R., P., Bussines process reengineering - o perspectivă europeană, Conferinţa Internaţională Managementul schimbărilor tehnologice, Universitatea Tehnică Gh.Asachi, Iaşi, 2001.

J. Invenţii. –

K. Contracte de cercetare/granturi.

Director / responsabil:

1. Impactul digitalizării asupra stării de bine a angajaților. Strategii de intervenție prin comunicare asertivă – contract agent economic, nr. 28216/23.07.2025

Membru în echipa de proiect:

1. ATTENDS – Accesul Tinerilor Tenace la Educație Necondiționată la Discrepanțe Sociale, PEO/SMIS327887/2025, valoare contract: 841918.80 RON, perioadă: 01.02.2025-31.07.2027, membru în echipă
2. E3-Practica - Stagii de practică pentru studenții înmatriculați în cadrul programelor de studii din domeniile ingineriei electrotehnice, electronice si energetice, PEO/71/PEO_P7/OP4/ESO4.5/PEO_A49/ MYSIMS+ID 312314/2025, membru în echipă
3. Antreprenoriat, Tehnologie și Inovație Socială în SAS TUIASI – ATIS@SAS TUIASI CNFIS-FDI-2024-F-0491, Beneficiar: Universitatea Tehnică „Gheorghe Asachi" din Iasi, Proiect finanţat din Fondul de Dezvoltare Institutională 2024, Consiliul Naţional pentru Finanţarea Învăţământului Superior, dom.4: Susținerea activităților societăților antreprenoriale studențești (SAS) din cadrul universităților, valoare proiect: 325000 RON, membru în echipă.
4. Co-founder în era roboților, CNFIS-FDI-2023-F-0427, valoare proiect: 297500, membru în echipă.
5. Co – founder al viitorului sustenabil în SAS TUIASI – SustainAbility@SAS TUIASI" proiect tip CNFIS – FDI – 2022 – 0388, valoare proiect: 293000 RON, membru în echipă.
6. Antreprenori SMART în SAS TUIASI (SMART în SAS@TUIASI), proiect de dezvoltare instituțională, nr. CNFIS – FDI – 2020-0343, valoare proiect: 180000 RON, membru în echipă

7. ROSE – 89/SGU/NC/I, Croiește-ți viitorul cu încredere la Facultatea de Textile – Pielărie și Management Industrial, Universitatea Tehnnică Gheorghe Asachi din Iași, valoare proiect: 679996 RON, membru în echipă
8. CREATIVE - Școala de vară Junior Designer, ROSE 119/SGU/PV/II, valoare proiect: 552597 RON, membru în echipă.
9. SIMPRACT – Tranziția de la școală la viața activă prin practică și crearea de întreprinderi simulate, POSDRU/160/2.1/S/138113, valoare proiect: 909536 RON, membru în echipă
10. Cercetări exploratorii privind crearea şi dezvoltarea interfeţei consumator-produs de încălţăminte în vederea realizării rapide a prototipurilor, Contract nr. 106/2006 CEEX INFOSOC, valoare proiect: 838350 RON, membru în echipă
11. Creşterea vizibilităţii internaţionale a cercetărilor din domeniul agilității designului produselor textilelor şi confecţiilor în contextual integrării în programe europene și internationale – Acronim AgilTexDesign, Contract nr. 54/2006, Program CEEX–Modul III–Promovare, valoare proiect: 198900RON, membru în echipă.
12. Îmbunătăţirea tehnologiei de prelucrare a firelor şi realizarea în fază pilot a urzelilor încleiate din fire încleiate tip bumbac, Contract nr. 1358P/2004, valoare proiect: 18109710 ROL, membru în echipă.
13. Metodologii de evaluare și modele ale agilității întreprinderilor bazate pe tehnici inteligente (IA). Aplicație software de evaluare și de support decizional, CNCSIS 27637/2025-T.19 & CNCSIS 164/2006, valoare contract: 17000 RON (2005), 21000 RON (2006), membru în echipă.
14. Leonardo da Vinci RO/2004/PL93117/TD, Întreprinderea simulată: o metodă modernă de pregătire pentru instruirea studenților-PRENTEAM, 2006, Coordonator UTI – Membru în echipa UTI
15. Antreprenoriat și tehnologie în SAS TUIASI – CONNECT@SAS TUIASI, proiect tip CNFIS – FDI – 2021 – 0180, funcția coach/psiholog/COR 242412, perioada, 07.07.2021 – 02.12.2021, 5 luni

L. Premii, distincţii –

Data: 23.02.2026

Semnătura,

Conf. univ. dr. ing. Raluca Petronela Lăzărescu

Anexa A.3.7 - Lista de lucrări, cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: conf.dr.ing. ***Livadaru Leonard***

A. Teza de doctorat:

1. Cercetări asupra utilizării motoarelor asincrone bifazate în acționări electrice – *2003, Universitatea Tehnică Gheorghe Asachi din Iași, domeniul Inginerie Electrică, conducător: prof.dr.ing. Alecsandru Simion*

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate

1. Alecsandru Simion, Leonard Livadaru and **Adrian Munteanu** *„Mathematical Model of the Three-Phase Induction Machine for the Study of Steady-State and Transient Duty Under Balanced and Unbalanced States*", Induction Motors - Modelling and Control, Prof. Rui Esteves Araújo (Ed.), ISBN: 978-953-51-0843-6, InTech, DOI: 10.5772/49983.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS)

1. **Leonard Livadaru,** Alecsandru Simion Masini asincrone bifazate, Ed. Junimea, 2003, 134 pag., ISBN 973-37-0880-1

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale

1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. Ionut Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41-50, 2023, doi:10.4316/AECE.2023.04005
2. L. Livadaru, A. Munteanu , Al. Simion, B. Virlan, S. Benelghali Study on the Fault-Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator, Advances in Electrical and Computer Engineering, Vol. 14, Iss. 2, p. (77-84), may 2014, ISSN 1582-7445
3. Al. Simion, L. Livadaru, R.-V. Cociu, A. Munteanu, Study of the Three-Phase Induction Machine under Dynamic Braking, Rev. Roum. Sci. Tech. – Electrotech. Et Energ., 58, 3, p. 273-283, Bucarest, 2013, ISSN 0035-4066

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5. L. Livadaru, Al. Simion, A. Munteanu, M. Cojan, O. Dabija, Dual Cage High Power Induction Motor with Direct Start-up. Design and FEM Analysis, Rev. Advances in Electrical and Computer Engineering, vol. 13, nr. 2, 2013, ISSN 1582-7445, pp. 55-58 – 2013
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J. Invenţii

K. Contracte de cercetare/granturi

1. Cercetări privind ameliorarea performanţelor generatoarelor de energie electrică de pe autovehicule PN2 TD 83/2007 – membru
2. Modele matematice şi soluţii de proiectare integrată a maşinilor electrice în scopul utilizării raţionale a resurselor naturale şi artificial, CEEX 285/P3/2006 – partener P3 cu ICPE SA Bucureşti, Responsabil contract: Simion Al. - membru
3. Sistem inteligent alternator – demaror – integrat pentru autovehicule - Contract nr. 27637/2005, Tema 35, Cod CNCSIS: 530, Director : Lucache Dorin - membru

L. Premii, distincţii

M. Alte realizări semnificative

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Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

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Teza de abilitare – domeniul de studii universitare de doctorat: Marketing

2016: BRANDING, DEZVOLTARE DURABILA SI INTERDISCIPLINARITATE, COORDONATE MODERNE IN MARKETING

C. (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

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G. Articol/studiu publicat publicat într-o revistă de specialitate din strainatate

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2. **Luca, F.A. (**2006). Public Relations – Key of Business Succes of Companies, *Analele Stiinţifice ale Universităţii de Stat din Moldova*, seria socio-umanistice, volumul IV, Chişinău, ISSN 1811-2668,.
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2. Vlad V.C., **Luca F.A**., Green Marketing Evolution, The 17th International Conference of SEA events: Cross-Cultural Knowledge Exchange, 24th July 2020, Constanta, 2020.
3. Vlad V.C., **Luca F.A,** Towards Environmental, Social, Governance Marketing: a New Way to Satisfying the Needs of Consumers, Euroinvent 2020.
4. Ungureanu A., **Luca F.A**, Rugidom, Euroinvent 2020.
5. Ungureanu A, **Luca F.A.,** Interconect: cycling for better life. An android mobile app to connect owners of unused bicycles with people in need of a quick transport vehicle in the Iasi metropolitan region, Euroinvent 2019.
6. **Luca F.A**., Busuioc AM., Luca AC The Analysis of the Factors which Influence the Job Satisfaction in the Health Care System, PROCEEDINGS OF THE 3rd International Conference "Inclusive and Sustainable Economic Growth. Challenges, Measures and Solutions", Filodiritto Editore – Proceedings, Brasov, 2019.
7. Ungureanu A., **Luca F.A**,, Sasu C., Importance of Music Branding from a Marketing Perspective, PROCEEDINGS OF THE 3rd International Conference "Inclusive and Sustainable Economic Growth. Challenges, Measures and Solutions", Filodiritto Editore – Proceedings, Brasov, 2019.
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10. Barna AS, Luca C, Ciobanu MG, **Luca FA** , Gargiulo P., Hydroxyapatite – eugenic acid biocomposites for restorative and prosthodontic applications in dentistry, Euroinvet 2017.
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13. Ioan C.AM., **Luca, F.A.,** Vatavu C.D. – *Quality Management and its Role in the Development of the Company's Brand*, European Exhibition of Creativity and Innovation 9-11 mai 2013, Euroinvent Catalogue 2013, p.483-490, Alexandru Ioan Cuza University Publishing House, 2013, ISBN 978-973-703-891-3
14. Ioan C.AM, **Luca, F.A.,** Sasu, C., *The Need to Implement E-Learning Platforms for Continuing Education: a Measure for Adapting the Educational System to Today's Student Profile*, Proceedings of the 7th International Conference Quality Management in Higher Education, „E"-Era & Higher Education, Iaşi, 16-17 nov. 2012, ISBN 978-3-85403-291-5
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34. Irimia M., **Luca.F.A** – *Cauzele şi efectele crizei economice actuale* publicată la Conferinţa naţională cu participare internaţională „Progrese în teoria deciziilor economice în condiţii de risc şi incertitudine" vol VIII, 18 sept 2009, Iaşi, Editura Tehnopress, ISBN 973-702—687-X.

J. Inovatii

1. Certificat de inovator nr 54 / 17.10.2017 – acordat de Academia de Studii Economice din Moldova si Centrul de Inovare si Transfer Tehnologic din Moldova
2. Certificat de inovator nr 56 / 19.10.2017 – acordat de Academia de Studii Economice din Moldova si Centrul de Inovare si Transfer Tehnologic din Moldova

K. Contracte de cercetare

1. Proiect AUF ECO 2024 DRECO 8602- ECONANODERE, Membru proiect 2024-2025. Director proiect: Ș.l.dr.ing. Daniel Lepadatu.
2. Proiect UEFISCDI Cod proiect:PN-III-P1-1.1-MCT-2019-0100, director proiect Florin Alexandru Luca
3. Proiect UEFISCDI Cod proiect: PN-III-P1-1.1-MCT-2017-0036, director proiect Florin Alexandru Luca
4. "Mobile youth peer mentoring application to facilitate distance mentoring guidance for youth with disabilities" - MyPeerMentor - 2017-1-TR01-KA205-039752, Director proiect: Prof.univ.dr. Gabriela Ciobanu, TUIasi, Membri proiect: 5 (inclusiv directorul de proiect) = Membru 2017-2018
5. H-CARE: "Launching of Sector Skills Alliance for Training & Apprenticeship f Health Care and Food Supplements Salespersons 540170-LLP-1-2013-1-TR-LEONARDO-LMP H-CARE PROJECT Director proiect: Prof.univ.dr. Gabriela Ciobanu, TUIasi, Membri proiect: 9 (inclusiv directorul de proiect) = Membru 2014-2016
6. FP7-NMP-2011-CSA-5 Grant Agreement no. 290500, *2BFUNTEX "*Boosting Collaboration Between Research Centres and Industry to Enhace Rapid Insustrial Uptake of Innovative Functional Textile Structures and Textile Related Materials in a Mondial Market", Networking of materials laboratories and innovation actors in various industrial sectors for product or process innovation, 2012-2016, Coord. proiect Prof.Paul Kiekens Ph.D., Gent

University, Belgia, Responsabil contract RO Prof.univ.dr.ing Antonela Curteza TUIasi, Valoare contract: 39.300 EUR / 4 membri pe proiect (inclusiv directorul de proiect) = Membru 2012-2015

7. EUREKA bilateral România –Turcia contract nr. E7218 /2012 *ProTexHeatINT, Program INOVARE,* Responsabil contract RO Prof.univ.dr.ing. Antonela Curteza TUIasi, Valoare contract: 300.000 RON / 8 membri pe contract (inclusiv directorul de proiect) = Membru 2012-2015
8. UK/08/LLP-LdV/TOI/163_154 - *Innovation Transfer in Textiles,* http://www.adam-europe.eu/adam/project/view.htm?prj=4579 Coord. proiect Prof.univ.dr.ing. Mirela Blaga, Valoare totala contract: 40.000 EUR = Membru 2008-2010
9. *Day Care Training*- LLP-LdV-TOI-07-F1-160815, Coord. Turku University, Finlanda, Valoare totala contract 211.447 EUR/ Valoare TUIasi 13125 EUR = Membru 2007-2009
10. *Creativity in Higher Education* , grant European University Association (EUA), Bruxelles, (Network 1: Prof Jesus Aguila) = Membru 2006
11. Grant *Banca Mondiala 39703,* Coord. grant Prof.univ.dr.ec. Dumitru Zaiţ, UAIC, Valoare contract Florin Alexandru Luca: 3.600 USD, conform dispoziţiei 4994/3960 din 25.08.2000 – UAIC = Membru 2000-2001
12. *Grant cercetare-dezvoltare UEFISCDI* Cod proiect: PN-III-P1-1.1-MCT-2017-0036, 10 membri pe contract RO + 1 din Spania – suma contractului virată integral cercetatorului din Spania, Director contract 2017
13. *Contract 564P*/2012 Centrul de Cercetare şi Transfer Tehnologic Polytech, beneficiar SC Ceramica SA, Responsabil contract Dr. Cătălin Bălan TUIasi, Valoare contract: 6.200 RON / 2 membri pe contract (inclusiv responsabilul proiectului), Membru 2002
14. *Contract 3861P/04.07.2007* Centrul de Cercetare şi Transfer Tehnologic Polytech –Valoare contract: 1071 RON / membri contract: 1, Director contract 2007
15. *Grant CNCSIS, tip A, cod 1412,* http://www.afir.org.ro/ionsandu/cncsis_1412/index.html , Coord. proiect Prof.univ.dr.Ion Sandu UAIC, membri 25 (inclusiv directorul de proiect) = Membru 2005-2007
16. POSDRU 90/2.1/S/60423 – *De la teorie la practica,* http://www.textilepraxis.ro/ , Coord. proiect Prof.univ.dr. Maria-Carmen Loghin, TUIasi, Valoare contract 1.700.000 EUR, Responsabil promovare 2010-2013
17. POSDRU /19/1.3/G/33739 – *Edu Tehnic Forma Plus*, http://www12.tuiasi.ro/users/58/promovare33739%20nou.pdf , Coord.proiect Conf.univ.dr. Elena Tiron, TUIasi, Valoare contract: 1.800.570 RON / membri 24, =Membru 2010-2012
18. POSDRU/57/1.3/S/ 17884, http://www.posdru17884.tuiasi.ro/ , http://193.226.12.231:8080/dm/ , Coord. proiect Prof.univ.dr.ing. Mircea Dan Guşă, TUIasi, Valoare totala contract 1.615.000 RON / membri 22 =Membru 2010-2012

L. Premii şi distincţii

- 23 de medalii din care 6 de aur la saloane internaționale de creativitate și inventica (18 medalii în ultimii 10 ani)
- Proiect UEFISCDI - Dezvoltarea sistemului național de cercetare-dezvoltare-Resurse Umane- Subprogram 1.1 - Resurse Umane - Premierea rezultatelor cercetarii -PN-III-P1-1.1-PRECISI-2019- 36172, Amfiteatru economic https://uefiscdi.gov.ro/index.php
- Proiect UEFISCDI - Dezvoltarea sistemului național de cercetare-dezvoltare-Resurse Umane- Subprogram 1.1 - Resurse Umane - Premierea rezultatelor cercetarii - PN-III-P1-1.1-PRECISI-2018-22977, 2018, beneficiar proiect Sustainability, https://uefiscdi.ro/index.php

01.10.2025 Prof.univ.dr.habil. Florin-Alexandru Luca

Anexa A.3.7 - Lista de lucrări, cadre didactice

Listă de lucrări în domeniul de studii universitare de licență

Eduard Luncă

A. Teza de doctorat

1. *Cercetări privind sistemele de măsură, control și monitorizare a nivelului poluării electromagnetice*, 2008, Domeniul *Inginerie electrică*, Universitatea Tehnică „Gheorghe Asachi" din Iași, conducător doctorat: Prof. dr. ing. Mihai Crețu.

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate

1. Marius Brânzilă, **Eduard Luncă**, capitolul *Remote Test-bench Experiments for Teaching Laboratories Based on LabVIEW, Python and Java*, în volumul *Online Laboratories in Engineering and Technology Education* (editori: Dominik May, Michael E. Auer, Alexander Kist), Editura Springer, Cham, 2024, pp. 301-321, ISBN 978-3-031-70770-4.
2. **Eduard Luncă**, Bogdan Constantin Neagu, Silviu Vornicu, capitolul *Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines*, în volumul *Numerical Methods for Energy Applications* (editori: Naser Mahdavi Tabatabaei, Nicu Bizon), Editura Springer, Cham, 2021, pp. 795-821, ISBN 978-3-030-62190-2.
3. Ionel Pavel, Camelia Petrescu, Valeriu David, **Eduard Luncă**, capitolul *Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead PowerLines—A Case Study*, în volumul *Modeling and Simulation in Engineering, 2nd Edition* (editori: Camelia Petrescu, Valeriu David), Editura MDPI, Basel, 2023, pp. 199-213, ISBN 978-3-0365-8288-7 (Reprint).

C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS (sau CNCS)

1. **Eduard Luncă**, Alexandru Sălceanu, *Zgomote și interferențe în instrumentație. Elemente de teorie*, Editura PIM, Iași, 2024, 114 pag., ISBN 978-606-13-8834-9.
2. **Eduard Luncă**, *Interfațarea instrumentelor și sistemelor de măsurare. Aplicații specifice*, Editura PIM, Iași, 2019, 220 pag., ISBN 978-606-13-5326-2.
3. **Eduard Luncă**, Alexandru Sălceanu, *Zgomote și interferențe în instrumentație. Aplicații*, Editura PIM, Iași, 2018, 156 pag., ISBN 978-606-13-4699-8.
4. **Eduard Luncă**, *Compatibilitate electromagnetică. Teste și măsurări specifice*, Editura PIM, Iași, 2015, 168 pag., ISBN 978-606-13-2834-5.
5. **Eduard Luncă**, *Sisteme pentru măsurarea și monitorizarea poluării electromagnetice. Studii teoretice și experimentale*, Editura PIM, Iași, 2015, 126 pag., ISBN 978-606-13-2849-9.
6. Codrin Donciu, **Eduard Luncă**, Mihai Crețu, *Sisteme moderne de măsurare. Măsurări distribuite*, Editura Politehnium, Iași, 2005, 130 pag., ISBN 973-621-105-3.
7. Alexandru Sălceanu, **Eduard Luncă**, Oana Neacşu, Marius Păuleţ, Silviu Ursache, *Compatibilitate electromagnetică. Aplicații*, Editura PIM, Iaşi, 2015, 208 pag., ISBN 978-606-13-2812-3.

8. Andrei Marinescu (Editor), *Electromagnetic Compatibility / Electromagnetic Field. Research and Development in Romania* [Cap. 3, *Works and Walks in ESD, developed at the Faculty of Electrical Engineering* – Alexandru Sălceanu, **Eduard Luncă**, Oana Beniugă, Oana Neacşu, Silviu Ursache, Marius Păuleţ], Editura Agir, Bucureşti, 2014, 15 pag., ISBN 978-973-720-521-6.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local

E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web

1. **Eduard Luncă**, *Măsurări electrice și electronice I*, Suport de curs disponibil pe platforma Microsoft Teams, 90 pag. format academic
2. **Eduard Luncă**, *Măsurări în ecologie și biomedicină*, Suport de curs disponibil pe platforma Microsoft Teams, 75 pag. format academic
3. **Eduard Luncă**, *Sisteme informatice pentru monitorizarea consumului de energie electrică*, Suport de curs disponibil pe platforma Microsoft Teams, 80 pag. format academic
4. **Eduard Luncă**, *Măsurarea mărimilor electrice şi neelectrice II* – Lucrări de laborator, http://www.demm.ee.tuiasi.ro/eduard-lunca/mmen.html
5. **Eduard Luncă**, *Informatică aplicată I* – Suport de curs, http://www.demm.ee.tuiasi.ro/eduard-lunca/info1.html
6. **Eduard Luncă**, *Informatică aplicată II* – Suport de curs în limba engleză, http://www.demm.ee.tuiasi.ro/eduard-lunca/info2.html

F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale

1. **E. Lunca**, S. Vornicu, A. Salceanu, *Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding*, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023, ***FI 2024 – 2,5***.
2. I. Pavel, C. Petrescu, V. David, **E. Lunca**, *Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study*, Mathematics, Vol. 11, No. 10:2292, pp. 1-15, 2023, ***FI 2024 – 2,2***.
3. M. Andrusca, M. Adam, A. Dragomir, **E. Lunca**, *Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure*, Sensors, Vol. 21, No. 23:7858, pp. 1-22, 2021, ***FI 2024 – 3,5***.
4. M. Andrusca, M. Adam, A. Dragomir, **E. Lunca**, R. Seeram, O. Postolache, *Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure*, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, ***FI 2024 – 2,5***.
5. **E. Lunca**, S. Ursache, A. Salceanu, *Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines*, Measurement, Vol. 124, pp. 197-204, 2018, ***FI 2024 – 5,6***.
6. **E. Lunca**, S. Ursache, Andrei Salceanu, *Assessment of Radiofrequency Exposure Levels Generated by WiMAX Base Stations*, Environmental Engineering and Management Journal, Vol. 15, No. 12, pp. 2753-2759, 2016, ***FI 2024 – 0,9***.
7. V. Dafinescu, V. David, D. Andritoi, **E. Lunca**, Elena-Niculina Dragoi, *Electromagnetic Pollution of the Hospital Environment due to New Generation Mobile Phones*, Environmental Engineering and Management Journal, Vol. 14, No. 1, pp. 73-78, 2015, ***FI 2024 – 0,9***.
8. **E. Lunca**, M. Istrate, A. Salceanu, *Comparative Analysis of the Extremely Low-frequency Magnetic Field Exposure from Overhead Power Lines*, Environmental

Engineering and Management Journal, Vol. 12, No. 6, pp. 1145-1152, 2013, ***FI 2024 – 0,9***.

9. A. Salceanu, Oana Beniuga, **E. Lunca**, A*dvances in Measurement and Analysis of Electrostatic Discharge Significance of Human Body Capacitance*, Environmental Engineering and Management Journal, Vol.12, No. 6, pp. 1119-1124, 2013, ***FI 2024 – 0,9***.
10. **E. Lunca**, V. David, A. Salceanu, I. Cretescu, *Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments*, Environmental Engineering and Management Journal, Vol. 11, No. 2, pp. 385-391, 2012, ***FI 2024 – 0,9***.
11. **E. Lunca**, A. Salceanu, *Virtual Instrumentation Approach for Teaching EMC Concepts*, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), Vol. 117, No. 1, pp. 75-80, 2012, ***FI 2024 – 0,9.***
12. A. Vilcu, **E. Lunca**, S. Vornicu, I.-V. Herghiligiu, C. Toporascu, *Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method*, Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023 (**EBSCO, Ulrich's, Index Copernicus, Sciendo**).
13. **E. Lunca**, S. Vornicu, A. Salceanu, O. Bejenaru, *2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines*, Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018 (**SCOPUS**, **IOP Science**).
14. S. Ursache, **E. Lunca**, A. Salceanu, I. Pavel, *Analysis upon the Influence of the Current Drawn by the Appliance on the Close Magnetic Field*, ACTA IMEKO, Vol. 7, No. 4, pp. 70-74, 2018 (**SCOPUS**).
15. A. Salceanu, **E. Lunca**, M. Paulet, *Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU*, ACTA IMEKO, Vol. 4, No. 6, pp. 37-45, 2017 (**SCOPUS**).
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19. **E. Lunca**, S. Ursache, Oana Neacsu, *Graphical Programming Tools for Electrical Engineering Higher Education*, International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011 (**INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO**).
20. **E. Lunca**, A. Salceanu, *Virtual Instrumentation for Extending the Capabilities of a Spectrum Analzyer to Automatically Perform RF Measurements*, Acta Electrotehnica, Vol. 51, No. 4, pp. 271-275, 2010 (**REFERATIVNYI ZHURNAL, DOAJ**).
21. **E. Lunca**, A. Salceanu, S. Ursache, *EMC Testing Education According to the ISO/IEC 17025 Quality System Requirements*, Acta Electrotehnica, Vol. 50, No. 3, pp. 214-218, 2009 (**REFERATIVNYI ZHURNAL, DOAJ**).

G. Lucrări științifice publicate în reviste din străinătate

H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS

1. **E. Lunca**, A. Salceanu, V. David, M. Cretu, *RF Digital Power Meter*, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1031-1036, 2006.
2. **E. Lunca**, C. Donciu, A. Salceanu, V. David, *Testing and Monitoring Systems Based on Virtual Instrumentation*, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1037-1042, 2006.
3. A. Salceanu, **E. Lunca**, Oana Neacsu, *Meeting the Recent Requests Originated by the Incoming Edition of EN 61000-4-2*, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1075-1080, 2006.
4. A. Salceanu, M. Paulet, **E. Lunca**, *Statistical Method in Establishing the ESD "Manufacturing Margin"*, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1085-1088, 2006.

I. Lucrări științifice publicate în volumele conferințelor

1. Andrei Salceanu, **Eduard Lunca**, Oana Maria Asiminicesei, *Specific Absorption Rate: Comparative Analysis from the Perspective of Terms, Methodologies, and Regulations*, 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, October 15 (Chișinău, Moldova, October 16-17), 2025, pp. 501-507 (**IEEE Xplore**).
2. **E. Lunca**, S. Vornicu, A. Salceanu, *3-Axis Virtual Gaussmeter for Measurement and Advanced Characterization of the Magnetic Fields from Overhead Power Lines*, 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 551-555 (**IEEE Xplore**, **SCOPUS**).
3. **E. Lunca**, S. Vornicu, A. Salceanu, *Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields*, 25th IMEKO TC4 International Symposium and 23rd International Workshop on ADC Modelling and Testing (IMEKO TC-4 2022), Brescia, Italia, September 12-14, 2022, pp. 221-226 (**SCOPUS**).
4. **E. Lunca**, S. Vornicu, I. Pavel, M. Andrusca, *Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line*, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 719-722 (**IEEE Xplore**, **SCOPUS**).
5. **S. Vornicu**, E. Lunca, B.C. Neagu, F.C. Baiceanu, *Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration*, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 723-726 (**IEEE Xplore**, **SCOPUS**).
6. V. David, I. Pavel, **E. Lunca**, *A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines*, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (**IEEE Xplore**, **SCOPUS**).
7. A. Salceanu, S. Vornicu, **E. Lunca**, M. Istrate, *Influence of High Voltage Bundle Configurations on Human Exposure*, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (**IEEE Xplore**, **SCOPUS**).
8. **E. Lunca**, S. Vornicu, C. Damian, *PC-Based Temperature and Humidity Recorder with USB Connectivity*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (**Web of Science, SCOPUS**).
9. O. Bejenaru, **E. Lunca**, V. David, *Simulation and Measurement of the Radiofrequency Electromagnetic Field Generated by a LTE Base Station*, 2019 International Conference

on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (**Web of Science, SCOPUS**).

10. S. Vornicu, **E. Lunca**, A. Salceanu, *ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (**Web of Science, SCOPUS**).
11. S. Ursache, **E. Lunca**, S. Vornicu, *DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (**Web of Science, SCOPUS**).
12. A. Salceanu, **E. Lunca**, B.D. Alistar, S. Ursache, *Upon the Influence of Charge Image on the Electric Field Intensity,* 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (**Web of Science, SCOPUS**).
13. C. Damian, A. Panu, M. Robu, **E. Lunca**, *Storing Custom Data Sets in a Blockchain System,* 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (**Web of Science, SCOPUS**).
14. **E. Lunca**, **V. David**, *Wideband Three-axis Magnetic Field Sensor*, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 693-696 (**Web of Science**).
15. S. Vornicu, **E. Lunca**, A. Salceanu, *Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line*, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633 (**Web of Science**).
16. A. Salceanu, M. Paulet, **E. Lunca**, *Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines,* 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 755-758 (**Web of Science**).
17. **E. Lunca**, S. Ursache, A. Salceanu, *Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania*, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 239-243 (**SCOPUS**).
18. O. Bejenaru, **E. Lunca**, V. David, *Characterization of the electromagnetic interferences due to a public lighting system*, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 224-228 (**SCOPUS**).
19. S. Ursache, **E. Lunca**, A. Salceanu, I. Pavel, *Study on the relationship between magnetic fields generated by home appliances and associated drawn currents*, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 305-308 (**SCOPUS**).
20. **E. Lunca**, A. Salceanu, S. Ursache, M.A. Anghel, *Evaluation of EMF Exposure from Digital Terrestrial Television Transmitters*, 21st IMEKO TC4 International Symposium and 19th International Workshop on ADC Modelling and Testing, Budapest, Hungary, September 7-9, 2016, pp. 236-239 (**Web of Science, SCOPUS**).
21. **E. Lunca**, A. Salceanu, *An Overview of RF-EMF Monitoring Systems and Associated Monitoring Data*, 9th International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, October 20-22, 2016, pp. 418-421 (**Web of Science, IEEE Xplore, SCOPUS**).
22. A. Salceanu, **E. Lunca**, O. Neacsu, F. Iacobescu, *Assessing the Close Field Non-Ionizing Emissions of PC-Monitors*, 9th International Conference and Exposition on

Electrical and Power Engineering – EPE 2016, Iasi, Romania, October 20-22, 2016, pp. 592-597 (**Web of Science, IEEE Xplore, SCOPUS**).

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24. **E. Lunca**, C. Damian, A. Salceanu, *EMF Exposure Measurements on 4G/LTE Mobile Communication Networks*, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 545-548 (**Web of Science, IEEE Xplore, SCOPUS**).
25. **E. Lunca**, E. Staicu, M. Balauca, *10 Hz – 20 kHz Single-axis Magnetic Field Meter*, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 453-456 (**Web of Science, IEEE Xplore, SCOPUS**).
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27. C. Damian, **E. Lunca**, M. Ilinca, *Remote administration of hardware resources using TCP/IP protocol and WEB technologies*, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 123-126 (**Web of Science, IEEE Xplore, SCOPUS**).
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29. **E. Lunca**, M. Istrate, A. Salceanu, S. Tibuliac, *Computation of the Magnetic Field Exposure from 110 kV Overhead Power Lines*, 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 628-631 (**Web of Science, IEEE Xplore, SCOPUS**).
30. **E. Lunca**, C. Damian, D. Petrisor, O. Postolache, *Programmable Active Filters Based on Digital Potentiometers*, 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 787-791 (**Web of Science, IEEE Xplore, SCOPUS**).
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47. M. Brinzila, C. Fosalau, **E. Lunca**, M. Cretu, *A complex system for environmental monitoring with a prototype data acquisition board*, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 428-430 (**SCOPUS**).

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50. C. Donciu, Cristina Schreiner, M. Cretu, **E. Lunca**, *A Distributed Monitoring System For Power Quality*, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 727-730 (**SCOPUS**).
51. C. Donciu, M. Cretu, S. Hanganu, **E. Lunca**, *Narrow Spikes Detection From Distorted Signals*, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 731-734 (**SCOPUS**).
52. Andrei Salceanu, V. David, **E. Lunca**, *Comparative study of the electric field emissions for various displays*, 10th International Conference on Electromecanical and Power Systems – SIELMEN 2015, Chisinau, Rep. Moldova, Oct. 08-09, 2015, pp. 423-426.
53. **E. Lunca**, V. David, A. Salceanu, I. Cretescu, *Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments*, 6th International Conference on Environmental Engineering and Management – ICEEM 06, Balatonalmadi, Ungaria, Sept. 01-04, 2011, Conference Abstracts Book, pp. 77-78.
54. **E. Lunca**, V. David, A. Salceanu, Oana Neacsu, *Broadband Magnetic Field Meter*, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), Fasc. 3, pp. 387-392, 2008.
55. **E. Lunca**, V. David, S. Ursache, M. Cretu, *On the EMF Exposure Due to Video Display Units*, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), Fasc. 3, pp. 405-410, 2008.
56. A. Salceanu, Oana Neacsu, **E. Lunca**, *Study Upon the Influence of Gun Orientation and Application Point in the Immunity Tests*, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iaşi, Tomul LIV (LVIII), Fasc. 3, pp. 221-226, 2008.
57. **E. Lunca**, A. Salceanu, V. David, M. Cretu, *Dealing with Electromagnetic Interference Problems by Using Near-Field Probes*, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 351-354.
58. **E. Lunca**, C. Donciu, A. Salceanu, M. Cretu, *Virtual Interface for Spectral Measurements*, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 355-358.
59. V. David, A. Salceanu, **E. Lunca**, I. Nica, *The Measurement of Magnetic Fields Near Power Lines*, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 243-246.
60. A. Salceanu, V. David, **E. Lunca**, *Self-oscillating Extension of the Human-Body ESD Model*, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. II, pp. 1061-1062.
61. V. David, Loreley Buchholtzer, **E. Lunca**, I. Nica, *Preliminary Measurements Of The Electromagnetic Environment In Hospitals*, 3rd International Conference on Electrical

and Power Engineering – EPE 2004, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iaşi, Tomul L (LIV), Fasc. 5B, pp. 797-801, 2004.

62. A. Salceanu, V. David, **E. Lunca**, Geanina Dumitru, *Evaluating ESD Menace In Automotive Environments*, 3rd International Conference on Electrical and Power Engineering – EPE 2004, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iaşi, Tomul L (LIV), Fasc. 5B, pp. 877-881, 2004.

J. Invenții

1. V. David, **E. Lunca**, I. Pavel, *Metodă se supraveghere automată a câmpului magnetic cu detecția și caracterizarea câmpurilor tranzitorii*, Brevet de invenție nr. 133581 (data eliberării 30.07.2024).

K. Contracte de cercetare/granturi

1. *Sistem computerizat de monitorizare în timp real a nivelului poluării electromagnetice cu transmiterea informaţiei prin Internet*, Grant tip TD, cod CNCSIS 193, 18000 RON, 2004 – 2006 (GR. 33371/2004; GR. 34664/2005; A1/GR. 164/2006) (**Director**).
2. Grant tip BD (pentru tineri doctoranzi), cod CNCSIS 7, cu tema *Cercetări privind sistemele de măsură, control şi monitorizare a nivelului poluării electromagnetice*, 9533 RON, 2003 – 2007 (**Director**).
3. *Cercetări privind expunerea umană la câmpuri electromagnetice în mediul urban* (*Evaluation of human exposure to electromagnetic fields in urban areas*), Bursă de cercetare postdoctorală în cadrul proiectului POSDRU/89/1.5/S/57649, PERFORM-ERA, finanţat de Fondul Social European şi Guvernul României, Martie 2011 - Februarie 2013, 1000 euro/lună (**Responsabil temă**).
4. *Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil* (*SMART URBAN ISLE*), Proiect internațional ERA NET Cofund, Contract 83/2016, 710968,5 RON, 2016 – 2017, Director Prof. Romeo Ciobanu (**Membru**).
5. *Instrumentaţie la distanţă pentru noile griduri regionale dedicate*, Bilateral România – Bulgaria, Nr. 62/2008, 121869,49 RON, 2008 – 2009, Director Prof. Cristina Schreiner (**Membru**).
6. *Filme ceramice subţiri nanoporoase din cristale zeolitice pe bază de siliciu pentru materiale cu constanta dielectrica redusă*, Bilateral România – Coreea de Sud, Nr. 64/2008, 204851,07 RON, 2008 – 2009, Director Prof. Romeo Ciobanu (**Membru**).
7. *Ecrane şi panouri absorbante pentru utilizări speciale bazate pe compozite nano-structurale cu arhitectura predefinită si proprietăţi dielectrice şi electromagnetice personalizate*, Bilateral România – Turcia, Nr. 63/2008, 125646.14 RON, 2008 – 2009, Director Prof. Romeo Ciobanu (**Membru**).
8. *Ecrane electromagnetice spaţiale bazate pe funcţionalizare diferenţiată cu nano / micro-particule* (DifShield), PNII Parteneriate, Nr. 260/2014, 1370000 RON, 2014 – 2017, Responsabil Prof. Codrin Donciu (**Membru**).
9. *Reţea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe bază de OLC-uri* (*onionlike carbon*) *manipulate cu ajutorul dielectroforezei* (H2Sense), PNII Parteneriate, Nr. 43/2014, 331079 RON, 2014 – 2015, Director Prof. Marius Olariu (**Membru**).
10. *Sistem complex de monitorizare a alunecărilor de teren utilizând traductoare bazate pe noi materiale şi tehnologii* (LANDSLIDE), PNII Parteneriate, Nr. 63/2012, 1147571 RON, 2012 – 2015, Director Prof. Cristian Zet (**Membru**).

11. *Senzori bazaţi pe elemente de detecţie nanometrice pentru aplicaţii în nano-medicină*, Colab. PNII Parteneriate, Nr. 12-109/2008, 79995 RON, 2009 – 2011, Director Prof. Cristian Foşalău (**Membru**).
12. *Microsenzori acustici pe bază de nanofire magnetostrictive pentru aplicaţii medicale*, Colab. PNII Parteneriate, Nr. 12-114/2008, 80000 RON, 2011, Director Prof. Cristian Foşalău (**Membru**).
13. *Sistem pe bază de microfire magnetice pentru neutralizarea activării la distanţă a explozivilor prin intermediul telefonului*, Colab. PNII Parteneriate, Nr. 82-096/2008, 30000 RON, 2011, Director Prof. Cristian Foşalău (**Membru**).
14. *Microsenzori magnetici implantabili pentru aplicaţii medicale*, Colab. PNII Parteneriate, Nr. 12-110/2008, 40000 RON, 2011, Director Prof. Cristian Foşalău (**Membru**).
15. *Metodologie dielectrică nedistructivă neinvazivă comparativă de detectare rapidă a ingredientelor cu potenţial major de risc pentru sănătate din produsele alimentare*, PNII Parteneriate, Nr. 51-015/2007, 627691.01 RON, 2007 – 2010, Director Prof. Romeo Ciobanu (**Membru**).
16. *Noi metode şi tehnici biomedicale de investigare, diagnosticare si monitorizare neinvazivă cu radiaţii electromagnetice neionogene* (BIOELECTRA), Colab. PNII Parteneriate, Nr. 41-089/2007, 45000 RON, 2009, Responsabil Prof. Alexandru Sălceanu (**Membru**).
17. *Dezvoltarea conceptului de clădire generator-convertor de energie regenerabilă, cu autonomie energetică ridicată şi acumulare în infrastructură şi sol* (RENERGHOME), Colab. PNII Parteneriate, Nr. 21-066/2007, 90000 RON, 2008, Responsabil Prof. Alexandru Sălceanu (**Membru**).
18. *Susţinerea integrării cercetării româneşti în domeniul poluării electromagnetice în reţele, programe şi parteneriate europene de profil* (INT-€-EMP), CEEX, Nr. 226/2006, 154830 RON, 2006 – 2008, Director Prof. Alexandru Sălceanu (**Membru**).
19. *Metode şi tehnici magnetometrice pentru investigarea activităţii cardiace* (CARDIOMAG), Colab. CEEX, Nr. 136/2006, 100000 RON, 2008, Responsabil Prof. Alexandru Sălceanu (**Membru**).
20. *Ecrane pentru construcţii speciale bazate pe structuri Chiral-Fagure*, CEEX, Nr. 46/2006, 550000 RON, 2006 – 2008, Director Prof. Marinel Temneanu (**Membru**).
21. *Dezvoltarea parteneriatelor C/D prin includerea excelenţei româneşti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecţie la radiaţiile electromagnetice în domeniul GHz* (EPRM-Net), CEEX, Nr. 202/2006, 150000 RON, 2006 – 2008, Director Prof. Cristina Schreiner (**Membru**).
22. *Biocompozite obţinute prin reciclarea deşeurilor de PET şi utilizarea de derivaţi ligno-celulozici*, CEEX, Nr.79/2006, 720000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (**Membru**).
23. *Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul obţinerii de biocompozite cu aplicaţii multisectoriale*, CEEX, Nr.179/2006, 130000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (**Membru**).
24. *Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul sistemelor virtuale şi distribuite de design şi management al cercetării*, CEEX, Nr.188/2006, 110000 RON, 2006 – 2008, Director Prof. Cristina Schreiner (**Membru**).
25. *Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul metodelor comparative neinvazive şi nedistructive de analiză a calităţii şi securităţii alimentelor*, CEEX, Nr.173/2006, 150000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (**Membru**).

26. *Sistem integrat de inspecţie video-inteligentă a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii*, CEEX, Nr. 57/2006, 499000 RON, 2006 – 2008, Director Prof. Marinel Temneanu (**Membru**).
27. *Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulară sau liniară*, CEEX, Nr. 51/2006, 467300 RON, 2006 – 2008, Director Prof. Codrin Donciu (**Membru**).
28. *Dezvoltarea parteneriatelor C/D în vederea promovării unor proiecte europene în domeniul sistemelor distribuite de monitorizare a mediului*, CEEX, Nr. 201/2006,137400 RON, 2006 – 2008, Director Prof. Marinel Temneanu (**Membru**).
29. *Crearea unui mecanism suport de determinare a indicatorilor ştiinţifici pentru evaluarea şi atestarea instituţiilor romaneşti de CDI, nu cele academice şi universitare, în perspectiva aderării la ERA,* Colab. CEEX, Nr. 06-8-66/2006, 160000 RON, 2006 – 2008, Responsabil Prof. Mihai Creţu (**Membru**).
30. *Racordarea principiilor de evaluare şi atestare a instituţiilor de CDI la criteriile ERA*, Colab. CEEX, Nr. 238/2006, 20000 RON, 2006-2008, Responsabil Prof. Mihai Creţu (**Membru**).
31. *Metode şi tehnici neinvazive cu microunde pentru detecţia timpurie a cancerului de sân* (CANCERDET), Colab. CEEX, Nr. 8/2005, 50000 RON, 2007, Responsabil Prof. Alexandru Sălceanu (**Membru**).
32. *Laborator pentru încercări de imunitate la descărcări electrostatice* (LIDES), CEEX, Nr. 187/2006, 299500 RON, 2006 – 2007, Director Prof. Alexandru Sălceanu (**Membru**).
33. *Sistem informatic virtual de instruire interactivă la distanţă în domeniul măsurărilor electrice*, Grant tip A, cod CNCSIS 443, 89096,4 RON, 2005 – 2007, Director Prof. Mihai Creţu (GR.27637/2005, T. 18; A1/GR. 164/2006, T. 26; A.Ad. GR. 80/2007, T.16) (**Membru**).
34. *Supravegherea înconjurătorului electromagnetic*, Grant tip A, cod CNCSIS 801, 46850 RON, 2003 – 2005, Director Prof. Valeriu David (GR. 40222/2003, T. 7; GR. 33371/2004, T. 54; A.Ad.1 34664/2005) (**Membru**).
35. *Sistem de măsurare distribuită dezvoltat prin metode de instrumentaţie virtuală*, Grant tip AT, cod CNCSIS 330, 15000 RON, 2003 – 2004, Director Prof. Codrin Donciu (A.Ad 33557/2003; GR. 33371/2004 T. 54) (**Membru**).

L. Premii, distincții

1. Articol premiat UEFISCDI, Top 1 - zona roșie, 2018 (**E. Lunca**, S. Ursache, A. Salceanu, *Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines*, Measurement, Vol. 124, pp. 197-204, 2018, *FI 2023 – 5,2*).
2. Articol premiat UEFISCDI, Top lI - zona galbenă, 2020 (M. Andrusca, M. Adam, A. Dragomir, **E. Lunca**, R. Seeram, O. Postolache, *Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure*, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, *FI 2023 – 2,5*).
3. Articol premiat UEFISCDI, Top 1 - zona roșie, 2023 (M. Andrusca, M. Adam, A. Dragomir, **E. Lunca**, *Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure*, Sensors, Vol. 21, No. 23:7858, pp. 1-22, 2021, *FI 2023 – 3,4*).
4. Gold Medal Diploma, *Automatic survey of magnetic field with detection and characterization of transient fields* (autori: Valeriu David, **Eduard Luncă**, Ionel Pavel), International Innovation and Invention Show EURO POLITEHNICUS 2024, 1st Edition, 22 - 24 Nov. 2024, București, România.

M. Alte realizări semnificative

M1. Lucrări publicate în reviste de circulație națională

1. **E. Lunca**, C. Donciu, M. Cretu, *Aplicaţii server-client în LabVIEW (I). Comunicaţia TCP-IP şi Remote Device Access*, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 3-8, 2005.
2. **E. Lunca**, C. Donciu, M. Brinzila, A. Salceanu, *Aplicaţii server-client în LabVIEW (II). DataSocket şi VI Server*, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 27-32, 2005.
3. **E. Lunca**, C. Donciu, A. Salceanu, V. David, *Sistem virtual de monitorizare a câmpului electromagnetic*, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 21-24, 2005.
4. C. Donciu, **E. Lunca**, M. Brinzila, M. Cretu, *Utilizarea plăcii de sunet în măsurări de impedanţă în joasă frecvenţă*, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 33-34, 2005.
5. C. Donciu, **E. Lunca**, M. Brinzila, M. Cretu, *Metode de determinare a defazajului în domeniul discret al semnalelor*, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 9-12, 2005.
6. C. Donciu, M. Brinzila, **E. Lunca**, M. Cretu, *Utilizarea senzorului de temperatură şi umiditate relativă SHT11 în realizarea aplicaţiilor de tip laborator virtual*, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 35-37, 2005.

M2. Lucrări comunicate la mese rotunde

1. **E. Lunca**, M. Istrate, A. Salceanu, *Evaluation of the ELF Magnetic Field Exposure from Overhead Power Lines*, Masa rotundă *Interferenţe electromagnetice în sisteme electroenergetice, între modelare numerică şi validare experimentală*, organizată de Asociaţia IRE, în colaborare cu Universitatea Tehnică „Gheorghe Asachi" din Iaşi şi Universitatea Tehnică din Cluj-Napoca, Iaşi, 25 septembrie 2013.

Data,

25.02.2026

Conf. univ. dr. ing. ***Eduard Luncă***

Anexa A.3.7 - Lista de lucrari, cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Numele şi prenumele: **Machidon Dragoș-Lucian**

A. Teza de doctorat.

1. „Contribuții la creșterea performanțelor protecției instalațiilor electroenergetice de înaltă tensiune împotriva trăsnetului", 2014, Domeniul Inginerie Electrică, Universitatea Tehnică „Gheorghe Asachi" din Iași, conducător doctorat: prof. dr. ing. Gușă Mircea.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. Roxana Oprea, Marcel Istrate, Dragoș Machidon, Soluții pentru creșterea performanțelor sistemelor fotovoltaice, Editura PIM din Iași, 2024, ISBN: 978-606-13-8696-3, 206 pag.
2. Dragoș Machidon, Marcel Istrate, Modele matematice de calcul a zonelor de protecţie generate de sistemele de paratrăsnete, Editura Universității Tehnice "Gheorghe Asachi" din Iași, 2024, ISBN: 978-973-621-537-7, 182 pag.
3. Dragoș Machidon, Mircea Gușă, Energetică generală - Curs şi aplicaţii, Editura Politehnium, Iași, 2023, ISBN: 978-973-621-521-6, 252 pag.
4. Dragoș Machidon, Marcel Istrate, Tehnica Tensiunilor Înalte – Lucrări de laborator, Editura Politehnium, 2021, ISBN: 978-973-621-501-8, 185 pag.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. Istrate M., **Machidon D.**, Electrosecuritate – curs electronic, www.tti.ieeia.tuiasi.ro
2. **Dragoș Machidon**, Electrosecuritate – lucrări de laborator, www.tti.ieeia.tuiasi.ro
3. Istrate M., **Machidon D.**, Regimuri tranzitorii electromagnetice – curs electronic, www.tti.ieeia.tuiasi.ro
4. Istrate M., Gușă M., **Machidon D.**, High Voltage Enegineering – curs electronic, www.tti.ieeia.tuiasi.ro

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. **Machidon, D.,** Istrate, M., Beniuga, R., Wind Shear Coefficient Estimation Based on LIDAR Measurements to Improve Power Law Extrapolation Performance. Remote Sens. 2025, 17 (1). https://doi.org/10.3390/rs17010023, WOS:001393632700001 – FI 2024 – 4.2.
2. **Machidon, D.**, Istrate, M., Tilt Angle Adjustment for Incident Solar Energy Increase: A Case Study for Europe, Sustainability 2023, 15(8), 7015, ISSN: 2071-1050, https://doi.org/10.3390/su15087015, WOS: 000978479400001 – FI 2023 – 3.9
3. Banu I, Istrate M., **Machidon D.**, Pantelimon R., Study regarding modeling photovoltaic arrays using test data in matlab/simulink, University Politehnica Of Bucharest Scientific Bulletin Series C-Electrical Engineering And Computer Science, Volume: 77 Issue: 2 Pages: 227-234, Published: 2015, ISSN: 2286-3540, eISSN: 2286-3559, Accession Number: WOS:000421799900019.
4. Istrate M., Miron A., Istrate C., Gusa M., **Machidon D.**, Single-phased Fault Location on Transmission Lines Using Unsynchronized Voltages, Advances in Electrical and Computer Engineering, Issue 3, 2009, pages 51-56, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2009.03010, Accession Number: WOS:000271872000010.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. Dragos Machidon, Roxana Oprea, Marcel Istrate, Considerations on the opportunity of using various optimum tilt angles for fixed photovoltaic panels in Iasi, Romania, Bulletin of the Polytechnic Institute of Iasi, Section Electrotehnica. Energetica. Electronica Volume 65(69), Fasc.3, pg.79-92, ISSN 2071-1050, (CNCSIS, code 87, http://www.cncsis.ro/, http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.3/2019f3contents.html), 2019.
2. Dragos Machidon, Marcel Istrate, Roxana Oprea, Some considerations on the photovoltaic conversion of the solar energy in Romania, Bulletin of the Polytechnic Institute of Iasi, Section Electrotehnica. Energetica. Electronica Volume 62(66), Fasc.3, pg.21-30, ISSN 1223-8139, (CNCSIS, code 87, http://www.cncsis.ro/, http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.3/p2_f3_2016.pdf), 2016.
3. Dragos Machidon, Marcel Istrate, Weather Influence Analysis on the Lightning Protection Current Estimation, Acta Electrotehnica, Number 3-2015, Proceedings of The 6th International Conference on Modern Power Systems, MPS 2015, 18-21 mai 2015 Cluj-Napoca, Romania, pp.161-164, ISSN 1841-3323, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org)
4. Dragoș Machidon, Marcel Istrate, Power Station Protection Zones Estimation Using the Rolling Sphere Method and the Elliptic Model, Acta Electrotehnica, Special Issue “Proceedings of The 5th International Conference of Modern Power Systems MPS 2013, Cluj-Napoca, Romania, Vol. 54, No., 5, 2013, pp.256-261, ISSN 1841-3323, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org)

5. Marian Dragomir, Dragoș Machidon, Răzvan Beniugă, One-End Data Fault Location Algorithm For Transmission Grids, Acta Electrotehnica, Special Issue 5th International Conference on Modern Power System, MPS 2013, 28-31 mai, Cluj-Napoca, România, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.175-178.
6. Dragoş Machidon, Marcel Istrate, Mircea Guşă, Marian Dragomir, The Elliptic Model Implementation For The Estimation Of The Vertical Rod's Protection Zones, World Energy System Conference.Towards Sustainable And Integrated Energy Systems, Suceava, 28-30 Iunie 2012, Buletinul AGIR, Nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, Pp.477-482, Http://Www.Buletinulagir.Agir.Ro/Articol.Php?Id=1426
7. Marcel Istrate, Dragoş Machidon, ATP Analysis Of Transmission Lines Behaviour On Direct Lightning Strokes, World Energy System Conference.Towards Sustainable And Integrated Energy Systems, Suceava, 28-30 Iunie 2012, Buletinul AGIR, Nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, Pp.471-476, Http://Www.Buletinulagir.Agir.Ro/Articol.Php?Id=1425
8. Marian Dragomir, Marcel Istrate, Răzvan Beniugă, Dragoş Machidon, Assessment Of Two-End Data Fault Location Algorithms For Transmission Grids, World Energy System Conference.Towards Sustainable And Integrated Energy Systems, Suceava, 28-30 Iunie 2012, Buletinul AGIR, Nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, Pp.435-438, Http://Www.Buletinulagir.Agir.Ro/Articol.Php?Id=1419
9. Dragoș Machidon, Marcel Istrate, Mircea Guşă, Marian Dragomir, Lightning Protection Current Determination Using ATP Simulations And Leader Progression Model, 4th International Conference On Modern Power System, MPS 2011, 17-20 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 52, Number 5, 2011, Pp. 243-246;
10. Marian Dragomir, Marcel Istrate, Mircea Guşă, Dragoș Machidon, The Influence Of The Power Frequency On The Accuracy Of Two-End Data Fault Location Algorithm, 4th International Conference On Modern Power System, MPS 2011, 17-20 Mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 52, Number 5, 2011, Pp. 143-146;
11. Machidon Dragoş, Istrate Marcel, Guşă Mircea, Dragomir Marian, Rolling Sphere Method Application For HV Lines, 3rd International Conference On Modern Power System, MPS 2010, Acta Electrotehnica, ISSN 1841-3323, Volume 51, Number 5, 2010, Pp. 221-224, 18-21 Mai, Cluj-Napoca, România;
12. Marian Dragomir, Marcel Istrate, Mircea Guşă, Dumitru Asandei, Dragoș Machidon, ATP/EMTP Model Of The Protection Based On Incremental Signals, Buletinul Institului Politehnic Din Iaşi, Tomul LVI (LX), Fasc.3, Secţia Electrotehnică.Energetică.Electronică, pp.101-110 2010.

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2. Dragos Machidon, Marcel Istrate, Razvan Beniuga, Assessment of Analytical Models for High-Altitude Wind Speed Extrapolation Based on LIDAR Data, Proceedings of the 12th International Conference on Energy and Environment, CIEM 2025, 23-24 October 2025, ISBN: 979-8-3315-9528-9, Bucuresti, Romania, DOI 10.1109/CIEM67454.2025.11284638.
3. Razvan Beniuga, Elena Bianca Bedrule, Oana Beniuga, Dragos Machidon, Artificial Intelligence-Based Optimization of Turbine Selection for Wind Farms Using Python and Machine Learning, Proceedings of the 15th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2025, 15-17 October 2025, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN67352.2025.11260854m.
4. Dragos Machidon, Marcel Istrate, Ravan Beniuga, Wind Speed Estimation based on Power Law Extrapolation Technique, Proceedings of the 13th International Conference and Exposition on Electrical and Power Engineering, EPE 2024, 17-19 October 2024, ISBN: 979-8-3503-5619-9, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758142.
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8. Dragos Machidon, Marcel Istrate, Impact of the Electric Vehicle Sector's Development on Romania's National Power System, Proceedings of the 12th International Conference and Exposition on Electrical and Power Engineering, EPE 2022, 20-22 October 2022, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959842.
9. Dragos Machidon, Marcel Istrate, Analysis of Romania's transmission power lines behavior under direct lightning strikes, Proceedings of the 13th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2021, 7-8 October 2021, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN53755.2021.9600318.
10. Madalina Roman, Alexandru Salceanu, Marius Paulet, Dragos Machidon, Evaluation upon the Energy Resources of Photovoltaic Systems depending on their Location, Proceedings of the 13th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2021, 7-8 October 2021, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN53755.2021.9600326.
11. Dragos Machidon, Marcel Istrate, Roxana Oprea, Razvan Beniuga, Performance analysis of double-axis orientating Low Concentration Photovoltaic Systems, Proceedings of the 9th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN:978-1-6654-

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12. Teona Solomon, Marcel Istrate, Dragos Machidon, Study of lightning's strokes on HV overhead power lines, Proceedings of the 9th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492600, WOS: 000941563300041.
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14. Dragos Machidon, Roxana Oprea, Marcel Istrate, Razvan Beniuga, Energy output increase by using a periodic orientation system for fixed photovoltaic panels, Proceedings of the 11th International Conference and Exposition on Electrical and Power Engineering, EPE 2020, 22-23 October 2020, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305626.
15. Dragos Machidon, Roxana Oprea, Marcel Istrate, Power output experimental evaluation of fixed photovoltaic systems when using adjustable tilt angles, Proceedings of the 12th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2019, 10-11 October 2019, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN.2019.8905822, WOS: 000630287500032
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18. Marian Dragomir, Anamaria Iamandi, Marcel Istrate, Alin Dragomir, Dragos Machidon, Estimation of Line Zero Sequence Impedance using Real Field Fault Data for Fault Location Application, Proceedings of the 8th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759762, WOS: 000612401900108
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25. Roxana Oprea, Marcel Istrate, Dragos Machidon, Electricity output analysis of a small photovoltaic power plant, Proceedings of the 7th International Conference on Modern Power Systems, MPS 2017, 6-9 June 2017 Cluj-Napoca, Romania, ISBN 978-1-5090-6565-3, DOI: 10.1109/MPS.2017.7974374, INSPEC Accession Number: 17028390, WOS:000428462600005.
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41. Dragoş Machidon, Marcel Istrate, Mircea Guşă, Marian Dragomir, Protective Zone Dimensions Determination Using Rolling Sphere Method, Proceedings Of The 7th International Conference On Electromechanical And Power Systems, ISBN 978-606-520-617-5, Pag.67-71, Sielmen 2009, 8-9 Octombrie, Iaşi, România;
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43. Dragos Machidon, Marcel Istrate, Mircea Guşă, Marian Dragomir, Rolling Sphere Method Application To 400 Kv Overhead Line, Proceedings Of The 7th International Conference On Industrial Energetics, ISBN 978-606-527-050-3, Pag.127-131, CNEI 2009, 5-7 Noiembrie Bacău, România;
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45. Marcel Istrate, Viorel Varvara, Dragos Machidon, Marian Dragomir, The Effect Of The Automatic Reclosing On The Fault Location In The Transmission Lines, Proceedings Of The 7th International Conference On Industrial Energetics, ISBN 978-606-527-050-3, Pag.177-183, CNEI 2009, 5-7 Noiembrie Bacău, România.

J. Invenţii.

K. Contracte de cercetare.

1. Studiu în vederea evaluării potențialului eolian din diferite amplasamente din România, Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 3651/5.02.2025, 2025, Responsabil contract - Machidon D., Membri: Beniuga R., Istrate M., Valoare contract: 70.000 lei - exclusiv TVA (83.300 lei + TVA). (1 Euro = 4,9766, BNR 5.02.2025)
2. Model matematic de determinare a profilurilor vitezelor vântului la diverse înălțimi, Grant cercetare GnaC2023_270, nr.7189/29.02.2024, Contractor Universitatea Tehnică “Gheorghe Asachi” din Iaşi, Director grant - Dragos Machidon, Membri: Istrate M., Mihăeș S., Perioada implementare: martie 2024 – aprilie 2025, Valoare contract: 49.771 lei (1 Euro = 4,9771, BNR 29.02.2024)
3. Studiu asupra evaluării potențialului eolian la diferite înălțimi, Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema

2824/26.01.2024, 2024, Responsabil contract - Dragos Machidon, Membri: Beniuga R., Istrate M., Valoare contract: 65.000 lei - exclusiv TVA (77.350 lei + TVA). (1 Euro = 4,9763, BNR 26.01.2024)

4. Energy Generation from Non-Powered Dams - ENERGYDAM, Contract nr. 11155/06.04.2022 TUIASI, Innovation Norway No. 2021/332809 din 24.03.2022, EEA and Norway Grants 2014-2021, Implementare 2022-2024 Director Proiect: Istrate M. Membri echipa de implementare IEEIA: Adam M, Andrusca M., Dragos Machidon, Total proiect: 1.745.377 lei.
5. Cercetări privind evaluarea potențialului eolian în diferite amplasamente din țară, Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 2443P/27.01.2023, 2023, Responsabil contract - Dragos Machidon, Membri: Beniuga R., Istrate M., Valoare contract: 60.000 lei - exclusiv TVA (71.400 lei + TVA). (1 Euro = 4,8992, BNR 27.01.2023)
6. Integrated Value Chain for Improvement on Labour Market – IVAC, Proiect PO RO-MD P 1.1 ENI-2SOFT/3.1/94, 2021-2023, Valoare proiect: 775.300 lei, Director Proiect: Gabriela Covatariu, Membri echipă: Dragoș Machidon.
7. Cercetări privind determinarea profilului de viteze ale vântului din diferite amplasamente din țară, Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 2592P/26.01.2022, 2022, Responsabil contract - Dragos Machidon, Membri: Beniuga R., Istrate M., Valoare contract: 51.000 lei - exclusiv TVA (60.690 lei + TVA); (1 Euro = 4,9443, BNR 26.01.2022).
8. Viitorul este electric – STARTING!, Proiect ROSE AG 367/SGU/III/SS/38, Valoare: 709.813 lei, 2020-2022, Director Proiect: Cristina Vătavu, Membri echipă: Dragoș Machidon.
9. SELECT TUIASI – Școala de vară Student ELECTRO LA TUIASI, Proiect ROSE 1PV/II20/SGU, 2019-2021, Valoare: 560.412 lei, Director Proiect: Maricel Adam, Membri echipă: Dragoș Machidon.
10. Sistem de majorare a indicatorilor de autoconsum din surse fotovotaice, folosind conversia si stocarea sub forma de energie termica, Proiect tip PN-III-P3-3.1-PM-ROCN-2018-0093 / 02.07.2018-31.12.2018. Valoare 49.500 ron. Director proiect: Ciprian Nemeş, Membri în echipă: Munteanu Florin, Machidon Dragoș, Ciocea Alexandru.
11. Analiza și interpretarea datelor, întocmirea algoritmilor de prelucrarea datelor, simularea asistată de calculator și întocmirea rapoartelor de simulare, cod CPV 71335000-5; Beneficiar: Societatea pentru Servicii de Mentenață a Rețelei Electrice de Transport “SMART” S.A. București, Sucursala de Mentenanță SIBIU, 2015-2018, tema 27373/22.12.2015, Istrate M.- Responsabil contract, Dragos Machidon Contract obţinut prin procedura de licitaţie deschisă – publicată pe SEAP. Valoare studiu: 185.000 lei +TVA.
12. Studiu privind verificarea schemelor de protecţie împotriva loviturilor directe de trăsnet în cazul staţiei 220/110/20 kV Munteni. Analiză comparată a metodei normate şi a metodei electrogeometrice”, cod CPV 71335000-5; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2013, tema 8795/17.05.2013, Istrate M.- Director tema, Dragos Machidon Valoare 57000+TVA RON; Contract obţinut prin procedura de licitaţie deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnarii contractului a fost de 4,4111 lei/Euro (echivalentul in Euro al sumei contractate este de 12922 Euro fara TVA sau 16023 Euro cu TVA).
13. Analiza asistată de calculator a riscului producerii loviturilor directe de trăsnet în echipamentele de 400/110 kV ale staţiei de transformare Roman Nord. Analiza comparată a metodei normate şi a metodei electrogeometrice; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2012, tema

8731/25.05.2012, Istrate M.- Director tema, Dragos Machidon Valoare 77000+TVA RON; Contract obţinut prin procedura de licitaţie deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnarii contractului a fost de 4,45 lei/Euro (echivalentul in Euro al sumei contractate este de 17300 Euro fara TVA sau 21400 Euro cu TVA).

14. Studiu privind analiza asistată pe calculator a riscului producerii loviturilor de trăsnet în echipamente de 220 kV şi 400 kV ale staţiei de transformare Suceava. Analiza comparată a metodei normate şi a metodei electrogeometrice; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2011, tema 1090P/03.05.2011, Istrate M.- Director tema, Guşă M, Dragos Machidon Valoare 70000+TVA RON; Contract obţinut prin procedura de licitaţie deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnarii contractului a fost de 4,1073 lei/Euro (echivalentul in Euro al sumei contractate este de 17042,8 Euro fara TVA sau 21133,1 Euro cu TVA).
15. Studiu privind expertizarea instalaţiilor de 110 şi 220 kV din staţia FAI, urmare modificării schemelor de conexiuni, prin metoda electrogeometrică, privind riscul producerii loviturilor directe de trăsnet în echipamentele staţiei; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2009, tema 9958P/15.07.2009, Istrate M.- Director tema, Guşă M, Dragos Machidon Valoare 48000+TVA RON; Contract obţinut prin procedura de licitaţie deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnarii contractului a fost de 4,2175 lei/Euro (echivalentul in Euro al sumei contractate este de 11381,5 Euro fara TVA sau 13543,6 Euro cu TVA).

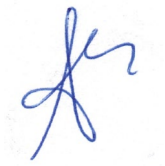
L. Premii, distincţii.

1. Premiul acordat de Universitatea Tehnică „Gheorghe Asachi” din Iași pentru grupul care a contribuit la atragerea celor mai multe fonduri private pentru cercetare - Grupul coordonat de M Istrate si format din D Lucache si **D Machidon**, 2018. Suma atrasa : 185.000 lei.

M. Alte realizări semnificative.

Data,
16.02.2026

Nume, semnătura
Conf.dr.ing. Dragoș Machidon



Anexa A.3.7. Lista de lucrări, cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ**
Domeniul de licență: **INGINERIE MANAGEMENT**
Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență Inginerie Energetică

Numele şi prenumele: **Bogdan Constantin Neagu**

A. Teza de doctorat.

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127. Georgescu Gh., **Neagu B.C.**, Power Losses in Public Repartition and Distribution Networks in Distortion State, The 7th National Conference on Industrial Energetics with International Participation – CNEI 2009, Bacău, pp. 169-176, 2009 (www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings CNEI2009.pdf).
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130. Georgescu Gh., Varvara V., **Neagu B.C.**, The Outline of the Energy Consumers from the Distribution Electric Systems, The Second International Symposium on Electrical and Electronics Engineering, Galaţi, Romania, pp. 150-154, 2008 (www.fie.ugal.ro/ISEEE book/table_articles.html).

J. Invenţii.

1. Grigoraș G., Ivanov O., Neagu B.C., Gavrilaș M., Scarlatache Fl., Platformă software de management și control integrat al consumurilor de energie electrică și gaze naturale în scopul creșterii eficienței energetice la întreprinderile mici și mijlocii, A/00922-13.11.2017 (cerere brevet).
2. Grigoraș G., Ivanov O., Neagu B.C., Scarlatache Fl., Gavrilaș M., Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere

si stocare locală a energiei în scopul creșterii eficienței energetice la toate categoriile de consumatori, A/00923-21.11.2018 (cerere brevet).

K. Contracte de cercetare.

1. SustainX: Fostering Sustainable Digital Innovation Investment, proiect tip I3-2023-Cab2b, nr.101180410/31.10.2024, Expert senior, 2025-2026.
2. PEO/71/PEO_P7/OP4/ESO4.5/PEO_A49 / ID312314 / ”e3-Practica - Stagii de practică pentru studenții înmatriculați în cadrul programelor de studii din domeniile ingineriei electrotehnice, electronice si energetice”, Coordonator acțiuni grup țintă, 2025-2026.
3. 2SOFT/1.2/66, din cadrul programului ”Joint Operational Programme Romania – Republic of Moldova 2014 – 2020” finanţat prin ENI CBC, cu titlul “Research and promotion of highly efficient energy generation through trigeneration by using solar renewable resources for getting electricity, heat and cold and purchasing of equipment” 2020-2022.
4. Determinarea anuală şi/sau trimestrială a Prognozei de Consum Propriu Tehnologic, pentru rețeaua deenergie electrică din zona de activitateDEGR pentru fiecare an cuprins in perioada 2023- 2028 aferenta judetelor Bacau, Botosani, Iasi, Neamt, Suceava si Vaslui,contract nr. 48734/19.12.2022, valoarea 11128 Euro.
5. Dezvoltarea institutionala a TUIASI prin cresterea vizibilitatii si a performantei cercetarii, (TUIASI-COMPETE), Grant PNIII-1.2.PDI-PFC-C1-2018, Project Manager, Prof.univ.dr.ing. Carmen Loghin, Contract nr. 9PFE din 18/10/2018, Beneficiar: UEFISCDI, Valoare: 4530000 lei. Tema: Platformă software de asistență decizională orientată spre eficientizarea managementului activității furnizorilor de energie electrică. Neagu B.C. (Responsabil echipa 9).
6. Holistica impactului surselor regenerabile de energie asupra mediului şi climei-HORESEC, Grant PN-III-P1-1.2-PCCDI-2017-0404 / 31PCCDI/2018, Director Proiect Cornel Panait, Coordonator Universitatea Maritimă din Constanța, Durata 33 de luni. Valoare totală 5.287.500 lei. Neagu B.C. (membru).
7. Prognoza de consum propriu tehnologic pentru reteaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2019, Contract nr. 1305P / 14.02.2019; beneficiar: Delgaz Grid. S.A ,Valoare: 7500 euro, Neagu B.C. (membru)
8. Platformă software inovativa pentru managementul energetic al consumatorilor finali in vederea cresterii eficientei energetice și a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018, Beneficiar: UEFISCDI, Valoare: valoare 49990 lei, Neagu B.C. (director)
9. Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligenta artificiala, in contextul competitivitatii energetice Europene, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018, Valoare: 49750 lei, Neagu B.C. (director)
10. Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere si stocare locală a energiei, în contextul creșterii eficienței energetice, Grant PN-III-P2-2.1-CI-2018-1128, Contract 192CI/25.07.2018, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2018, Neagu B.C. (membru)

11. Prognoza de consum propriu tehnologic pentru reteaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2018., Contract nr. 3105P / 14.02.2018; beneficiar: Delgaz Grid. S.A ,Valoare:9981 euro, Neagu B.C. (membru)
12. Platforma de management si control integrat al fluxurilor purtatorilor de energie in scopul cresterii eficientei energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI/25.07.2017, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2017, Neagu B.C. (membru)
13. Instrument software pentru gestiunea tranzactiilor pe piata de energie electrica, Grant PN-III-P2-2.1-CI-2017-0328, Contract 45CI/25.07.2017, Valoare: 50.000 lei, 2017, Neagu B.C. (membru)
14. Prognoza de consum propriu tehnologic pentru reaua de energie electrica din zona de activitate a Delgaz Grid. S.A., Contract nr. 448P / 15.03.2017; beneficiar: Delgaz Grid. S.A ,Valoare: 44888 lei, Neagu B.C. (membru)
15. Prestări servicii cercetare: prelucrare MST instantanee şi stabilire locatii MST 1 zi, Contract nr. 12697/05.07.2017, beneficiar: Delgaz Grid S.A, valoare 9783 lei, Neagu B.C. (membru).
16. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE). Contract 83/2016 - ERA NET Cofund-83/2016-2018. Valoare proiect: 710.968,5 lei, Neagu B.C. (membru).
17. Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016; Contract nr. 684P / 21.04.2016; beneficiar: EON Distribuție Romania S.A., Valoare: 60000 lei, Neagu B.C. (membru).
18. Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez), Contract 50/2016, Proiect Era Net.Nivel internațional. Valoare proiect: 447.750 lei, Neagu B.C. (membru).
19. Senzori integrati cu caracteristici microfluidice folosind tehnologia LTCC", (INTCERSEN), Contract 9/2015, Proiect international Era Net. Valoare proiect: 468.000 lei, Neagu B.C. (membru).
20. Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuţie S.A., Valoare: 194000 lei, Neagu B.C. (membru).
21. Tehnologii inovative de asamblare – dezasamblare a componentelor nemetalice industriale, bazate pe adezivi electro - activi nano-structuraţi, Contract de cercetare nr. 7-042/09.05.2011 (MAGBOND), beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, durata contractului 2011-2012. (valoare 1.122.730 RON - 249.496 EUR), Neagu B.C. (membru).
22. Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electro - acoperire a structurilor carbonice cu polimeri activi. Contract de cercetare nr. 7-038/13.05.2011 (CARBIOSENSE), beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, durata contractului 2011-2013. (valoare 1.079.300 RON - 239.844 EUR), Neagu B.C. (membru)
23. Școala Universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și inginerești – DidaTec, Contract POSDRU / 87 / 1.3 /S /6089, beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, durata contractului 2012-2013. Neagu B.C. (membru)

24. Specializarea personalului didactic universitar pentru functia de supervizor de practica tehnologica si de cercetare, Cod contract: 57/1.3/S/17884, beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, durata contractului 2010-2012. Neagu B.C. (membru)
25. Studiu de determinare a consumului propriu tehnologic în rețelele de joasă tensiune aferente jud. Bacău, aparținând E.ON Moldova Distribuție S.A, Contract de cercetare nr. 3564P / 01.11.2011, 2011, beneficiar: E.ON Moldova Distribuţie S.A, Valoare: 50000 lei, Neagu B.C. (membru)
26. Contract cercetare nr. 1265P/2010, Analiza structurii şi a posibilităţilor de reconfigurare în regimurile post avarie a reţelelor electrice, a calităţii energiei electrice livrate consumatorilor, prognoza sarcinilor, dimensionarea optimă din punct de vedere tehnico-economic a elementelor componente, precum şi calculul regimurilor simetrice, a regimurilor de avarie (scurtcircuite) şi a regimurilor deformante care apar în sistemele de repartiţie şi distribuţie a energiei electrice (valoare 3500 RON + TVA). Neagu B.C. (membru).

L. Premii, distincţii.

M. Alte realizări semnificative.

Data,
18.10.2025

Nume, semnătura

Bogdan-Constantin Neagu

* Conform H.G. 1175/ 2006

Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de masterat Inginerie Energetică

Numele şi prenumele:
Nemes Ciprian-Mircea

A. Teza de doctorat.

Modelarea solicitărilor componentelor sistemelor electroenergetice în calculele de fiabilitate, 2005., Universitatea Tehnică „Gh. Asachi" din Iaşi, Domeniul Inginerie Industriala, conducător ştiinţific: prof.dr.ing. Dumitru Ivas.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. **Ciprian Nemeş**, Metode și tehnici de evaluare a fiabilității - aplicații în energetică, Editura PIM Iaşi, ISBN 978-606-13-5347-7, 156 pg., 2019.
2. **Ciprian Nemeş**, Florin Munteanu, Adecvabilitatea sistemelor de producere a energiei electrice, Editura Politehnium Iaşi, ISBN 978-973-621-480-6, 208 pg., 2018.
3. **Ciprian Nemeş**, Florin Munteanu, Monica Atudori, Staţii electrice - îndrumar de proiectare, Editura Politehnium Iaşi, ISBN: 978-973-621-419-6, 230 pg., 2013.
4. **Ciprian Nemeş**, Florin Munteanu, Producerea şi distribuţia energiei electrice. Partea I – Producerea energiei electrice, Editura Politehnium Iaşi, ISBN: 978-973-621-318-2, 225 pg., 2011.
5. Florin Munteanu, **Ciprian Nemeş**, Fenomenul de scurtcircuit ... de la terorie la practică, Editura Politehnium Iaşi, ISBN: 978-973-621-302-1, 284 pg., 2010.
6. **Ciprian Nemeş**, Florin Munteanu, Dumitru Ivas, Tehnici moderne de analiză a disponibilităţii elementelor şi sistemelor, Editura Politehnium Iaşi, ISBN: 978-973-621- 240-6, 264 pg., 2008.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

1. Florin Munteanu, Maricel Adam, Dumitru Ivas, **Ciprian Nemeş**, Aparate şi comutări inteligente în sistemele electroenergetice, Casa de editură Venus Iaşi, ISBN 973-756-025-6, 317pg, 2006.
2. Florin Munteanu, Dumitru Ivas, **Ciprian Nemeş**, Centrale electrice - partea electrică - vol I. Analiza fenomenului de scurtcircuit, Editura Setis Iaşi, ISBN 973-86764-6-0, 341 pg., 2005.
3. **Ciprian Nemeş**, Dumitru Ivas, Florin Munteanu, cap. Metode de determinare a fiabilităţii având la bază raportul solicitare–rezistenţă, cap. Calculul probabilităţii de defect în cazul solicitărilor multiple dependente, Capitole în volumul Sisteme expert de asigurare a calităţii totale in industria de materiale şi echipamente electrotehnice, Seria QUALINDSER, ISBN 973-8292-29-8, pp. 50-59, pp. 59-69, 20 pg., 2002.

4. Dumitru Ivas, Florin Munteanu, Mugurel Rotariu, Eugeniu Voinea, **Ciprian Nemeş**, Ingineria fiabilităţii sistemelor complexe, Editura Perfect Bucureşti, ISBN 973-85069-3-X, 320 pg., 2001.
5. Florin Munteanu, Dumitru Ivas, **Ciprian Nemeş**, Proiectarea si analiza asistată de calculator a instalaţiilor de alimentare cu energie electrică. Seria Energie – Mediu, Editura AGIR Bucureşti, ISBN 973-8130-44-1, 140 pg., 2001.
6. Florin Munteanu, Dumitru Ivas, **Ciprian Nemeş**, Ingineria disponibilităţii subsistemelor de distribuţie a energiei electrice, Editura Spectrum Iaşi, ISBN 973-98335-3-5, 254 pg., 1999.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

- F.Baiceanu, O.Ivanov, R. Beniuga, C. Neagu, **C. Nemes**, A Continuous Multistage Load Shedding Algorithm for Industrial Processes Based on Metaheuristic Optimization. *Mathematics* 2023, *11*, 2684. **Impact Factor:** 2.3 (**2023**), https://doi.org/10.3390/math11122684, WOS:001017561300001
- Baiceanu Florin Constantin, Munteanu Florin, Nemes Ciprian-Mircea, Transient Residual Voltage Influence on the Dynamic Load Transfer, Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, vol. 67, issue 4, **2022**, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp. 57-71, DOI: https://doi.org/10.2478/bipie-2021-0022, https://sciendo.com/article/10.2478/bipie-2021-0022
- Tiganasu Cosmin, Cercel George, **Nemes Ciprian**, An overview of the home energy management system, Buletinul Institutului Politehnic din Iaşi Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, vol. 67 (71), no 2, **2021** Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp.9-18, DOI:10.2478/bipie-2021-0007, https://sciendo.com/issue/BIPIE/67/2
- George Cercel, Cosmin Tigănaşu, **Ciprian Nemeş**, Photovoltaic Systems Maximum Power Point Tracking Algorithms, Buletinul Institutului Politehnic din Iaşi Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, vol. 67 (71), no 2, **2021** Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp.19-29, DOI:10.2478/bipie-2021- 0007, https://sciendo.com/issue/BIPIE/67/2
- F. Munteanu, F.Baiceanu, **C. Nemes**, Switch-off transients affecting the dynamic load transfer, University Politehnica of Bucharest Scientific Bulletin Series C-Electrical Engineering and Computer Science, vol. 82, iss. 1, **2020**, pp. 289-300, WOS:000518413400022
- 7 Alexandra Ciobanu, Florin Munteanu, **Ciprian Nemeş**, Adochiţei M., *Dynamic Bayesian network for weather forecast and evaluation of renewable resources availability*, Journal of Sustainable Energy, vol. 9, no. 2, ISSN 2067-5534, pp.58-63, June **2018**.
- **Ciprian Nemeş**, Florin Munteanu F., Astanei D., *Analysis of grid-connected photovoltaic system integration on low-voltage distribution network*. 22th Conference of Energy Engineering, CIE 2016, 02-04 June 2016, Oradea. Published in Journal of Sustainable Energy ISSN 2067-5534, vol. 7, no. 1, pp.9-14, March **2016**.
- Alexandra Ciobanu, Florin Munteanu, **Ciprian Nemeş**, Dragoş Astanei, *Availability Evaluation of Nodal Architectures using Bayesian Networks*, Buletinul Institutului Politehnic din Iaşi Bulletin of the Polytechnic Institute of Iaşi, ISSN 1223-8139, Vol. 62 (66), no. 3 **2016**, pp 31-40.

- Sorina Costinas, **Ciprian Nemes**, Current maintenance using geographical information system, part of the global smart-grid technology solution, Buletinul Institutului Politehnic din Iaşi, Tomul LX (LXIV), Fasc.1, pp. 103-110, **2014**.
- **Ciprian Nemeş,** *A clear sky irradiation assessment using the European Solar Radiation Atlas model and Shuttle Radar Topography Mission database: A case study for Romanian territory*, J.Renewable Sustainable Energy, vol. 5, is. 4, no. 041807, Impact Factor 2013: 1.51, 12 pg., **2013**. DOI: 10.1063/1.4813001, WOS:000323945600008
- **Ciprian Nemeş**, Marcel Istrate, *A Clear Sky Irradiation Assessment Using The Esra Model And SRTM Database*, Environmental Engineering And Management Journal , vol. 12, iss. 6, ISSN: 1582- 9596, Impact Factor: 1.258, pp.: 1271-1279, **2013**, WOS:000325632500021
- **Ciprian Nemeş**, Marcel Istrate, *Statistical Analysis of Wind Turbine's Output Power*, Electronics and Electrical Engineering Journal, no. 4 (120) 2012, print ISSN: 1392-1215, online ISSN: 2029-5731, Impact Factor 2012: 0.411, pp. 31-34, 4 pg., **2012**. DOI: 10.5755/j01.eee.120.4.1447, WOS:000303226800006
- **Ciprian Nemeş**, Florin Munteanu, *Operational parameters evaluation for optimal wind energy systems development*, Published in U.P.B. Sci. Bulletin, Series C, vol. 74, iss. 1, ISSN 1454-234x, pp. 223-230, 8 pg., 2012.
- Florin Munteanu, **Ciprian Nemeş**, *Belief networks utilization for nodal power quality and availability assessment*, Published in U.P.B. Sci. Bulletin, Series C, vol. 74, iss. 1, ISSN 1454-234x, pp. 215- 222, 8 pg., 2012.
- Giuseppe Marco Tina, Gilles Notton, **Ciprian Nemeş**, *Time frame measurements impact on probabilistic behaviour of photovoltaic systems,* Paper published in Bulletin AGIR - B+ , XVII, nr. 2, April-June 2012, ISSN-L 1224-7928, ISSN-online 2247-3548. pp. 1-9, 9 pg., 2012.
- **Ciprian Nemeş,** Florin Munteanu, *The Wind Energy System Performance Overview: Capacity Factor vs. Technical Efficiency,* International Journal of Mathematical Models and Methods in Applied Sciences, North Atlantic University Union, iss. 1, vol. 5, ISSN: 1998-0140, pp. 159-166, 8 pg., 2011.
- **Ciprian Nemeş,** *A comparative analysis of wind speed distribution evaluation*. Bulletin of the Polytechnic Institute of Iaşi, tom LVII (LXI), fasc.2, ISSN 1223-8139, pp. 145-151, 7 pg., 2011.
- **Ciprian Nemeş**, Marcel Istrate, *Overview of Optimal Wind Turbine Selecting*, Proceedings of the 4th International Conference on Modern Power Systems – MPS 2011 Cluj-Napoca, Published in Acta Electrotehnica, vol. 52, no. 5, ISSN 1841-3323, pp.323-326, 4 pg., 2011.
- **Ciprian Nemes,** Nicu Costandache, Florin Munteanu, *Probabilistic approach of generation system considering the power station reliability,* Proceedings of the 4th International Conference on Modern Power Systems – MPS **2011** Cluj-Napoca, Published in Acta Electrotehnica, vol 52, no. 5, ISSN 1841-3323, 2011, pp. 327-330, 4 pg., 2011.
- **Ciprian Nemeş,** Florin Munteanu, *Potential Solar Irradiance Assessment based on a Digital Elevation Model*, Advances in Electrical and Computer Engineering, vol. 11, no. 4, ISSN: 1582-7445, e-ISSN: 1844-7600, Impact Factor 2011: 0.555, pp. 89-92, 4 pg., **2011**. DOI: 10.4316/AECE.2011.04014, WOS:000297764500014
- **Ciprian Nemeş,** Florin Munteanu. *A Probabilistic Model for Power Generation Adequacy Evaluation.* Revue Roumaine des Sciences Techniques - Rev. Roum. Sci. Techn.– Électrotechn. et Énerg., 56, 1/2011, Bucharest, ISSN: 0035-4066, Impact Factor 2011: 0.136, pp. 36–46, 11 pg., **2011**, WOS:000289219900004
- **Ciprian Nemeş,** Florin Munteanu, *Development of Reliability Model for Wind Farm Power Generation*, Advances in Electrical and Computer Engineering, vol. 10, no. 2, ISSN 1582-7445, e- ISSN 1844-7600, Impact Factor 2010: 0.688, pp. 24-29, 6 pg., **2010**. DOI: 10.4316/AECE.2010.02004, WOS:000280312600004

- Florin Munteanu, **Ciprian Nemeş**, *Fast Method for accutare faul type detection in high voltage networks*. Bulletin of the Polytechnic Institute of Iaşi, tom LVI(LX), fasc.2, ISSN 1223-8139, pp. 89- 96, 8 pg., 2010.
- **Ciprian Nemeş,** Florin Munteanu, Mbuyamba Tshibanda, *Reliability evaluations of Power Systems including Wind Power Generation*. Bulletin of the Polytechnic Institute of Iaşi, tom LVI(LX), fasc.2, ISSN 1223-8139, pp. 97-106, 10 pg., 2010.
- Florin Munteanu, **Ciprian Nemeş,** *Real efficiency of intelligent switching of high voltage circuitbreakers*, Published in U.P.B. Sci. Bulletin, Series C, vol. 72. iss.1, ISSN1454-234x, pp. 173-182, 10 pg., 2010.
- **Ciprian Nemeş,** Florin Munteanu, *Probabilistic method for circuit breaker maintenance planning,* Revista Electrotehnica, Electronica, Automatica, no. 4, vol. 58, ISSN 1582-5175, pp. 69-73, 2010.
- **Ciprian Nemeş**, Florin Munteanu, *A Wind Power Generation Model for Reliability Evaluation*, Revista Electrotehnica, Electronica, Automatica, no. 1, vol. 58, ISSN 1582-5175, pp. 31-36, 2010.
- Irina Ciornei, **Ciprian Nemeş**, Elias Kyriakides, *The future hybrid renewable power system and its generation dispatch*, Revista Energetica, no. 6, vol. 58, iunie 2010, ISSN 1453-2360, pp. 262-268, 6 pg., 2010.
- Florin Munteanu, **Ciprian Nemeş**, *Reliability optimization of the power system nodes considering the switching components*, Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 34, ISSN:1842-4805, pp. 196-199, 4 pg., 2010.
- Florin Munteanu, **Ciprian Nemeş,** *The high voltage circuit-breaker of intelligent switching. A theoretical background*. Revista Electrotehnica, Electronica, Automatica, no.1, vol 57, ISSN 1582- 5175, pp. 26-30, 5 pg., 2009.
- **Ciprian Nemeş,** *A probabilistic model for circuit breaker adequability,* Bulletin of the Polytechnic Institute of Iaşi, tom LV (LIX), fasc.1, ISSN 1223-8139, pp. 109-116, 8 pg., 2009.
- **Ciprian Nemeş**, Florin Munteanu, *Probabilistic approach of the generated power of a wind turbine*. Bulletin of the Polytechnic Institute of Iaşi, tom LV (LIX), fasc. 3, ISSN 1223-8139, pp. 123-130. 8 pg., 2009.
- **Ciprian Nemeş**, Florin Munteanu, *Optimization of the circuit breaker maintenance using the distribution of the disconnecting number*, Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 32, ISSN 1842-4805, pp. 146-149, 4 pg., 2008.
- Florin Munteanu, **Ciprian Nemeş**, *Methods for maintenance optimization of power system components,* Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 32, ISSN 1842-4805, pp. 142-146, 4 pg., 2008.
- Florin Munteanu, **Ciprian Nemeş,** *Human reliability influence on systems maintenance,* Published in Bulletin of the Polytechnic Institute of Iaşi, tom LIV (LVIIII), fasc. 3, pp. 455-460, 6 pg., 2008.
- **Ciprian Nemeş,** *The strength variables of the elements subjected to the fluctuating stress,* Bulletin of the Polytechnic Institute of Iaşi, tom LIV(LVIII), fasc. 1, pp. 79-83, 5 pg., 2008.
- **Ciprian Nemeş**, Florin Munteanu, *Equipment reliability analysis using the probabilistic design methodology*, Published in Bulletin of the Polytechnic Institute of Iaşi, tom LIV (LVIIII), fasc. 3, pp. 185-192, 8 pg., 2008.
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J. Invenţii.

1. 1. Ciprian Nemes, Florin Munteanu.“Metodă pentru managementul receptoarelor consumatorilor rezidențiali alimentați din surse fotovoltaice proprii” Cerere brevet nr. A00161/08.03.2018__

K. Contracte de cercetare.

Granturi de cercetare-dezvoltare câştigate prin competiţie naţională

1. Sistem de majorare a indicatorilor de autoconsum din surse fotovotaice, folosind conversia si stocarea sub forma de energie termica, Proiect tip PN-III-P3-3.1-PM-ROCN-2018-0093 / 02.07.2018-31.12.2018. Valoare 49.500 ron. Director proiect: CiprianNemeş

2. Sistem inteligent pentru managementul sarcinii consumatorilor rezidentiali alimentati din surse fotovoltaice, Proiect tip PN-III-P2-2.1-CI-2017-0823 nr. 145 CI / 10.10.2017-11.04.2018. Valoare 44990 ron. Director proiect: Ciprian Nemeş

3. Utilizarea modelelor analitice si a tehnicilor de inteligenta artificiala in optimizarea indicatorilor de fiabilitate a echipamentelor electroenergetice, prin monitorizarea solicitărilor. CNCSIC-AT/2007-2008, Cod CNCSIS – 29, Contract nr. : 33 GR /23.05.2007, 77 GR /11.06.2008.Valoare: 17000/2007; 18000/2008, Director proiect: Ciprian Nemeş

4. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil, Proiect international - ERA NET Cofund-83/2016-2017 (SMART URBAN ISLE). Membru: Ciprian Nemeş

5. Construire platformă de cercetare pentru integrarea resurselor regenerabile in instalatii autonome-COPRESA, Proiect finanţat prin programul operaţional sectorial creşterea competitivităţii economice, axa prioritară 2 – Competitivitate prin CDI, operatiunea 2.3.2: Dezvoltarea infrastructurii de C-D a întreprinderilor, cu crearea de noi locuri de munca pentru C-D.
Proiect nr. 608/10.12.2013 coordonat de S.C. DAS S.R.L. Iaşi. Valoarea totală de 6.126.355,31 RON, din care asistenţa financiară nerambursabilă este de 2.443.129 RON. Membru UTI: Ciprian Nemeş

6. Cercetări privind integrarea surselor regenerabile de energie: studii în direcţia dezvoltării serviciului de alimentare cu energie electrică. Domeniul de cercetare: Mediu dezvoltare durabilă, Proiect: Performanţă prin postdoctorat pentru integrarea in aria europeană de cercetare, PERFORM-ERA, ID – 57649, 2010 - 2013, POSDRU/89/1.5/S/57649 Proiect finanţat prin Programul Operaţional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013. Buget total proiect: 20.813.320 RON, din care finanţare nerambursabilă 20.016.735 RON. Proiect coordonat de Prorectoratul Ştiinţific al Universtităţii Tehnice "Gheorghe Asachi" din Iaşi. Membru / cercetător postdoc: Ciprian Nemeş

7. Aparate si comutari inteligente in sistemele electroenergetice, Proiect CEEX – MENER nr. 607/2005-2007, Valoare: 48936.21/2005; 168000/2006; 50000/2007, Membru: Ciprian Nemeş

8. Dezvoltarea parteneriatelor C/D in vederea promovării unor proiecte europene în domeniul sistemelor distribuite de monitorizare a mediului, CEEX Modul 3, contract 201/2006, 2006 – 2008, Membru: Ciprian Nemeş.

Contracte încheiate cu institute de cercetare, companii, regii, societăţi comerciale

1. Cercetari privind dezvoltarea uniu sistem pentru monitorizarea si optimizarea indicatorilor de autoconsum din surse distribuite Contract nr. 16052P\07.09.2017 - 15.10.2018, Beneficiar: SC DAS SRL Iasi. Valoare: 45000 RON + TVA, Responsabil temã: Ciprian Nemes.

2. Cercetari experimentale privind calitatea energiei electrice si solutii de ameliorare in cadrul Arcelor Mittal Galati. Contract nr. 141P\26.01.2017, Beneficiar: SC Arcelor Mittal Galati. Valoare: 33750 RON + TVA, Membru: Ciprian Nemes

3. Masuratori privind calitatea energiei electrice si solutii de ameliorare in cadrul Arcelor Mittal Galati. Contract nr. 2016P\15.12.2015 - 19.09.2016 , Beneficiar: SC Arcelor Mittal Galati. Valoare: 30000 RON + TVA. Membru: Ciprian Nemes

4. Estimarea productiei de energie electrica si dimensionarea parcului fotovoltaic de 132,6 kWp – Letcani, Contract nr. 3872P / 04.03.2013, Beneficiar: SC Consult Finance SRL Iasi. Valoare: 3500+ TVA= 4340 RON, Responsabil temã: Ciprian Nemes.

5. Cercetări experimentale privind proiectarea, functionarea si exploatarea panourilor fotovoltaice si optimizarea sistemelor inteligente de orientare biaxială. Contract nr. 2274P / 17.12.2012 - 15.06.2014, Beneficiar: SC DAS SRL Iasi. Valoare: 20.000 euro+TVA. Membru: Ciprian Nemes

6. Evaluarea prin calcul a câmpurilor electrice şi magnetice de 50Hz în zona traversărilor variantei de ocolire a mun. Iaşi, de către LEA 220 kV Gutinaş-Munteni-FAI, Contract nr. 2874P / 31.08.2011, Beneficiar: SC Electromontaj SA, Sucursala Iaşi. Valoare: 2000 RON. Responsabil temă: Ciprian Nemeş

7. Substaţiile de tracţiune la Regionala CFR Iaşi şi siguranţa circulaţiei pe căile ferate, Contract nr. 7680P/2007 Beneficiar: E-on Energie Iasi. Valoare: 12.500+TVA=14.875RON, Membru: Ciprian Nemes

8. Studiul şi determinarea prin calcul a tensiunilor induse în LEA 220-400 kV din gestiunea ST. Bacău, în condiţii speciale de paralelism, în vederea respectării valorilor limită admise, Contract nr. 3274P/17.10.2005, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău. Valoare 99000+TVA=11781 RON, Membru: Ciprian Nemeş

9. Măsurarea tensiunii de atingere şi de pas la staţia 110/20/6 kV Comăneşti, Contract nr. 321P/13.02.2004, Beneficiar: S.C. ELCO SA Botosani, Valoare 2000+TVA=2.380 RON, Responsabil temă: Ciprian Nemeş

10. Instrumente matematice de modelare a comportării construcţiilor hidrotehnice bazate pe metoda seriilor de timp, Contract nr. 1910P/23.09.2004, Beneficiar: Universitatea Tehnicã Cluj Napoca, Valoare 15.000+TVA=17.850 RON, Responsabil temă: Ciprian Nemeş

11. Modelarea fiabilităţii sistemelor cu structură dinamică aplicată sistemelor de transport al energiei electrice, Contract nr. 1579P/24.07.2004, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău, Valoare 6.500+TVA=7.735 RON, Responsabil temă: Ciprian Nemeş
12. Verificarea SUUCE pentru optimizarea exploatării şi dezvoltării instalaţiilor la SH Rm. Vâlcea, Contract nr. 894P/2001-2002 Beneficiar: SH Râmnicu Vâlcea. Valoare 9.146+TVA=10.884 RON, Membru: Ciprian Nemeş

13. Criterii, metode şi instrumente de decizie în dezvoltarea şi exploatarea reţelelor de transport în condiţiile create de reforma sectorului energetic, Contract nr. 1135P/2001, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău. Valoare 4.000+TVA=4.760 RON, Membru: Ciprian Nemeş

14. Optimizarea structurii reţelelor de MT ale SDEE Bacău pe baza analizei combinate CPT-fiabilitate, Contract nr. 1262/1999 Beneficiar: CONEL Bacău. Valoare 2.500 RON, Membru: Ciprian Nemeş

15. Principii tehnice şi economice moderne în exploatarea sistemelor de alimentare cu energie electrică, Contract nr. 1263/1999 Beneficiar: CONEL Bacău. Valoare 2.500 RON, Membru: Ciprian Nemeş

16. Evaluarea instrumentelor necesare pentru licitarea energiei electrice pe intervale, Contract nr. 412P/1999, Beneficiar: CONEL Bacău. Valoare 4.500 RON, Membru:Ciprian Nemeş

17. Analiza pierderilor este energie electrică în reţeaua de distribuţie a SDEE Târgovişte, Contract nr. 16709/1998, Beneficiar: SC Electrica SA. Valoare 6.000 RON, Membru: Ciprian Nemeş

7. Dezvoltarea parteneriatelor C/D in vederea promovării unor proiecte

L. Premii, distincţii.

M. Alte realizări semnificative.

Data,
20.04.2025

Nume, semnătura
prof.univ.dr.ing. Ciprian Mircea Nemeș

Anexa A.3.7 - Lista de lucrări, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență ”Inginerie electrică”

Numele şi prenumele: Conf.univ.dr.ing. Costică Nițucă

A. Teza de doctorat.

T1 – *Probleme de captare a curentului electric de la linia de contact pentru vehicule acţionate electric*, anul susţinerii – 2003, Universitatea Tehnică ”Gheorghe Asachi” din Iaşi, Domeniul – Inginerie electrică, conducător doctorat, prof. dr. ing. dr. H.C. Lorin Cantemir.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Ca1 - T. Stanciu, **C. Niţucă**, *Didactics of technical subjects,* Editura Tehnica-Info, Chişinău, R. Moldova, 2006, ISBN 9978-9975-910-13-2. (Format B5, 312 pagini, 40 r/pg., lb. eng., 1,2)

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

Ca7 – C. Nițucă, I. Nucă, A. T. Plești, G. Chiriac, V. Cazac, M. Burduniuc, *Improving the cross-border public transportation using electric buses supplied with renewable energy,* Editura Tritonic Books, București, 2022, ISBN 978-606-749-584-3. (Format A5, 220 pagini, 32r/pg., în limba engleză).

Ca6 – C. Nițucă, I. Nucă, Cristina Horga, A. T. Plești G. Chiriac, G. Gabor, Daniela Gârlea, Maria Zagoreţ V. Cazac, M. Burduniuc, A. Moldovan, *Improving of the energetical performances for electric bus used in urban an interurban transport*, Editura Tritonic Books, Bucureşti, 2022, ISBN 978-606-749-585-0. (Format A5, 40 pg., 32r/pg., în limba engleză).

Ca5 – C. Niţucă, *Circuite integrate analogice. Note de curs,* Editura Tehnopress, Iaşi, 2019, ISBN 978-606-687-397-0. (Format B5, 144 pagini, 30r/pg.).

Ca4 - C. Niţucă, *Tehnica muncii intelectuale,* Editura Tehnopress, Iaşi, 2016, ISBN 978-606-687-292-8. (Format B5,190 pagini, 37r/pg.).

Ca3 - C. Niţucă, *Alimentarea şi captarea energiei electrice în tracţiunea feroviară,* Editura Performantica, Iaşi, 2009, ISBN 978-973-730-628-9. (Format B5, 260 pagini, 40r/pg.).

Ca2 - L. Cantemir, **C. Niţucă**, V. Dulgheru, Maria I. Carcea, Mariana N. Iftimie, *Iniţiere în creativitate tehnică, Vol. I,* Editura Tehnica Info, Chişinău, 2008, ISBN 978-9975-63-066-5. (Format B5, 278 pagini, 37r/pg.).

Ca1 - C. Niţucă, T. Stanciu, *Didactica disciplinelor tehnice,* Editura Performantica, Iaşi, 2006, ISBN (10): 973-730-311-3, ISBN (13): 978-973-730-311-0. (Format B5, 306 pagini, 40r/pg.).

I3 - C. Niţucă, *Bazele creației tehnice. Indrumar,* Editura Tehnopress, Iaşi, 2019, ISBN 978-606-687-398-7. Format B5, 146 pagini, 31r/pg).

I2 - Elena Tiron (coord), *Educaţia centrată pe elev/student. Îndrumar*, **C. Niţucă** (Coordonator capitol - formator: *Specialitate şi didactica specialităţii centrată pe elev/student*, pp. 47-117), Editura Performantica, Iaşi, 2012, ISBN 978-973-730-938-9. (Format B5, 70 pagini, 30r/pg.).

I1 - C. Niţucă, Maria I. Carcea, *Caiet de practică pedagogică desfăşurată,* Editura Performantica, Iaşi, 2006, ISBN 973-730-185-4. (Format A4, 104 pagini, 41r/pg.).

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

C. Nițucă, Circuite integrate analogice, Indrumar de laborator, **Sisteme de laborator funcţionale** (la adresa: http://www.euedia.tuiasi.ro/wp-content/uploads/Documente_PDF_Staff/Costica_Nituca/CIA_Laborator_Nituca.pdf)

C. Niţucă, *Bazele creaţiei tehnice. Suport de curs*, Format electronic/prezentări .ppt – 179 slide-uri; http://www.euedia.tuiasi.ro/wp-content/uploads/Documente_PDF_Staff/Costica_Nituca/BCT_Curs_Nituca.pdf

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C. Niţucă, *Etică şi integritate. Suport de curs*, Format electronic/prezentări .ppt, – 125 slide-uri; http://www.euedia.tuiasi.ro/wp-content/uploads/Documente_PDF_Staff/Costica_Nituca/EI_Curs_Nituca.pdf

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

R5 - C. Niţucă, A. Dragomir, G. Gabor, G. Chiriac, *Simulated thermal response of a battery pack used by electric twowheelers*, Thermal Science, International Scientific Journal, https://doi.org/10.2298/TSCI250724194N, FI (2024) 1,1, Q4.
R4 - G. Chiriac, D.D. Lucache, **C. Niţucă**, A. Dragomir, S. Ramakrishna, *Electric Bus Indoor Heat Balance in Cold Weather,* APPLIED SCIENCES-BASEL, Volume 11, Issue 24, Article Number 11761, DOI 10.3390/app112411761, Published DEC 2021. **Impact Factor 2021 - 2.838,** Document Type: Article (**Indexat WOS, Scopus**).
R3 - C. Niţucă, G. Chiriac, D. Cuciureanu, C. Dumitrescu, Guoqiang Zhang, Dong Han, A. Plesca, *Thermal modeling of a linear induction motor used to drive a power supply system for an electric locomotive*, Thermal Science, Volume: 23, Issue: 2, pp. 589-598, part. A, DOI: 10.2298/TSCI180420190N, **Impact factor: 1.541**, 2019. Accession Number: WOS: 000462414100015, Document Type: Article. (**Indexat WOS, Scopus**).
R2 - C. Niţucă, G. Chiriac, D. Cuciureanu, Guoqiang Zhang, Dong Han, A. Pleşca, *Numerical Analysis of a Real Photovoltaic Module with Various Parameters*, Journal: Modelling and Simulation In Engineering, Article Number: 7329014, DOI: 10.1155/2018/7329014, **Factor de impact** (2022) **– 3,2;** Published: 2018. Accession Number: WOS: 000429430400001, Document Type: Article. (**Indexat WOS, Scopus**).
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G. Lucrări ştiinţifice publicate în reviste din străinătate.

R8 - Niţucă, C., Chiriac, G., Gabor, G., Nucă, I., Cazac, V., Burduniuc, M. (2021). *Geometry design and analysis of an electric bus for the interior ther-mal modelling*. Journal of Energy Technology, 14(2), 47-55, (**Indexat ProQuest**)
R7 - A. Pleşca, **C. Niţucă,** G. Chiriac, Z. Liu, Y. Geng, *PSpice simulations for single-phase rectifiers for testing DC fuse,* Journal Energy Technology, JET Vol. 12, Issue 2, 2019. (**Indexat ProQuest**).
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R4 - D. Cuciureanu, **C. Niţucă**, G. Chiriac, *Force Estimation of an Asymmetrical Pantograph for Different Damper Positions*, Journal: Indian Journal of Science and Technology, Volume 9, Issue 40, 2016, Article number 88878, Source Type: Journal, ISSN: 09746846, *DOI: 10.17485/ijst/2016/v9i40/88878,* Document Type: Article, Published 2016. (**Indexat Scopus**).
R3 - G. Chiriac, D. Cuciureanu, **C. Niţucă**, *Critical Speed Impact over the Pantograph-Catenary System's Behaviour*, Journal: Indian Journal of Science and Technology, Volume 9, Issue 40, 2016, Article number 86736, Source Type: Journal, ISSN: 09746846, DOI: 10.17485/ijst/2016/v9i40/86736, Document Type: Article, Published 2016. (**Indexat Scopus**).
R2 - C. Niţucă, *Thermal analisys for a double-sided linear induction motor*, European Scientific Journal, March 2013, Edition vol.9, No.9, ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431, pp. 38-50, Published 2013. Document Type: Article. **(Indexat EBSCO, PROQUEST, Copernicus, Urlich's).**
R1 - G. Chiriac**, C. Nituca**, A. Plesca, *Possibilities to supply the railway electric vehicles through the electric arc*, Buletinul Institutului Politehnic din Iaşi, Tomul LIX (LXIII), Fasc. 4, Secţia Electrothenică. Energetică. Electronică. 2013. **(Index Copernicus, Ulrich's).**

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

R1 - C. Niţucă, T. Stanciu, *Issuses regarding the quality of pedagogical practical training of students in field of manufacturing engineering,* Academic Journal of Manufacturing Engineering, Vol. 2, No. 4/2004, pp. 48-52, Editura Politehnica, Timişoara - 2004, ISSN 1583-7904.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

V.25. G. Gabor, **C. Nitucă**, A. Dragomir, G. Chiriac, V. Cazac; M. Boca, *Low Voltage Circuit Breaker Controlled by Programmable Logic Controller*, 15th International Conference on Electromechanical and Energy Systems. (SIELMEN 2025).
V.24. M. Burduniuc, C. Răileanu, O. Mangos, V. Cazac, Ghe. Tertea, **C. Niţucă**, *Automated System for Real-Time Testing of Multiphase Asynchronous Electric Motors*, 15th International Conference on Electromechanical and Energy Systems. (SIELMEN 2025).
V23 - A. Dragomir. M. Adam, G. Chiriac, D. Murgoci, A. Vîlcu, **C. Niţucă**, *Infrared Monitoring of Low Voltage Switch Separator Contact Resistance,* International Conference on Electromechanical and Energy Systems (SIELMEN), 2023, DOI: 10.1109/SIELMEN59038.2023.10290782, (**Indexat IEEE *Xplore***).
V22 - G. Chiriac, D.D. Lucache, **C. Niţucă** and G. Gabor, *Aspects Regarding the Heating of Electric Buses*, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, doi: 10.1109/SIELMEN53755.2021.9600435, (**Indexat IEEE *Xplore,* Scopus**).
V21 - I. Nuca, Cazac V. Burduniuc M., **Niţucă C**., Chiriac G., Gabor G., *A Hybrid Charging System Design for Electric Vehicles with Autonomous Power Source*, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 487-490, doi: 10.1109/SIELMEN53755.2021.9600328. (**Indexat IEEE *Xplore,* Scopus**).

V20 - G. Gabor, A.T. Plesca, F.A. Rusu, **C. Niţucă**, *Analysis of sliding electromagnetic coupling parameters in a PLC automation system,* International Conference on Electromechanical and Energy Systems (SIELMEN), Location: Craiova, Romania, Date of Conference: 9-11 Oct. 2019, DOI: 10.1109/SIELMEN.2019.8905912, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0, Print on Demand (PoD) ISBN: 978-1-7281-4012-4, (**Indexat IEEE *Xplore,* Scopus**).

V19 - G. Chiriac, **C. Niţucă**, D. Sticea, *Electric Locomotive Laboratory Test Bench for Research and Educational Purposes*, 8th International Conference on Modern Power Systems (MPS), 21-23 may, 2019, paper 172, Cluj Napoca, Romania, 2019. Publisher: IEEE (Institute of Electrical and Electronics Engineers). (**Indexat IEEE *Xplore***).

V18 - C. Niţucă, G. Chiriac, C. I. Gaţu, D. Cuciureanu, I. Murgescu, *Laboratory Off-Grid Photovoltaic System with Two Axes Orientation*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 846-849, Published: 2018. Accession Number: WOS: 000458752200165, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

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V16 - C. Pintilie, A. Pleșca, G. Gabor, **C. Niţucă**, M. Adam, A. Dragomir, *Thermal Analysis of Tankless Heating System Using PLC*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 454-457, Published: 2018. Accession Number: WOS: 000458752200086, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V15 - C. Dumitrescu, A. Plesca, M. Adam, **C. Niţucă**, A. Dragomir, *Methods for Reducing Energy Consumption, Optimization in Operational Data Centers*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 483-486, Published: 2018. Accession Number: WOS: 000458752200092, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V14 - C. Dumitrescu, A. Plesca, Laura Dumitrescu, M. Adam, **C. Niţucă**, A. Dragomir, *Assessment of Data Center Energy Efficiency. Methods and Metrics*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 487-492, Published: 2018. Accession Number: WOS: 000458752200093, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V13 - G. Gabor, C. Pintilie, C. Dumitrescu, **C. Niţucă,** A. T. Plesca, *Application of Industrial PROFIBUS-DP Protocol*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 614-617, Published: 2018. Accession Number: WOS: 000458752200119, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V12 - Șt. Patrichi, **C. Niţucă**, G. Chiriac, A. Pleșca, Z. Liu, Y. Geng, *Simulating Thermal Phenomena Occurring in Fast Electric Fuses Used for Power Electronic Protection*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 910-915, Published: 2018. Accession Number: WOS: 000458752200178, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V11 - Șt. Patrichi, A. Pleșca, **C. Niţucă**, G. Chiriac, J. Wang, X. Huang, *Thermal Modeling and Simulations for Fast Electric Fuses*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 920-923, Published: 2018. Accession Number: WOS: 000458752200180, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V10 - M. Cardasim, **C. Niţucă**, A. Pleşca, G. Chiriac, C. Dumitrescu, *Reliability Parameters Estimation for a Railway Catenary Power System*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 1051-1056, Published: 2018. Accession Number: WOS: 000458752200206, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V9 - T. Stanciu, **C. Niţucă**, G. Chiriac, A. Pleşca, *Coherence and Continuity in the Continuing Education of Electrical and Energetic Field Teachers from The Pre-University Environment*, 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 1057-1062, Published: 2018. Accession Number: WOS: 000458752200207, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V8 - G. Chiriac, **C. Niţucă**, D. Cuciureanu, I. Murgescu, *Analysis of Hot-Spots Effects on the Performances of a Photovoltaic System Used in Romania*, Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017, Pages: 239-244, Published: 2017. Accession Number: WOS: 000426906000047, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V7- Aparaschivei, G. Chiriac, **C. Niţucă**, T. A. Plesca, *Analysis of a Cable Lug Failure for a Recycle Compressor Trip*, Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-

13, 2017, Pages: 403-406, Published: 2017. Accession Number: WOS: 000426906000076, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V6 - G. Chiriac, **C. Niţucă**, M. Cardasim, *Failures Analysis in the 25 kV/50 Hz Railway Substations*, Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017. Pages: 407-410, Published: 2017. Accession Number: WOS:000426906000077, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V5 - D. Cuciureanu, **C. Niţucă**, G. Chiriac, D. Sticea, *Analysis of the Photovoltaic Panels Currently in Use in Different Locations,* Conference: 2017, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 20-22, 2016, Pages: 888-893, Published: 2016. Accession Number: WOS: 000390706300174, Document Type: Proceedings Paper. (**Indexat WOS**, **Scopus**, **IEEE *Xplore***).

V4 - C. Niţucă, Magdalena Iorga, *The Importance of Training Trainers Using Education Soft and Technologies*, Conference: 16th International Conference on Modern Technologies, Quality and Innovation, Location: Sinaia, ROMANIA, Date: MAY 24-26, 2012, Book Series: International Conference ModTech Proceedings, Pages: 681-684, Published: 2012. Accession Number: WOS: 000392261800171, Document Type: Proceedings Paper. (**Indexat WOS**).

V3 - C. Niţucă, T. Stanciu, *Core competencies in a changing educational environment essential in the act of teaching technical and technological subjects,* Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Location: Sibiu, ROMANIA, Date: JUN 02-05, 2011, VOL II, Book Series: Proceedings of the International Conference on Manufacturing Science and Education, Pages: 47-50, Published: 2011. Accession Number: WOS: 000393733900012, Document Type: Proceedings Paper. (**Indexat WOS**).

V2 - C. Niţucă, T. Stanciu, *Study case for teaching in a e-learning open source environment,* Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Location: Sibiu, ROMANIA, Date: JUN 02-05, 2011, VOL II, Book Series: Proceedings of the International Conference on Manufacturing Science and Education, Pages: 101-104, Published: 2011. Accession Number: WOS: 000393733900025, Document Type: Proceedings Paper. (**Indexat WOS**).

V1 - L. Cantemir, **C. Niţucă**, G. Chiriac, A. Rachid, *Unconventional Current Collecting of the Electric Energy from a Contact Line for the Electric Traction Vehicles,* Conference: PACIFIC 2011 - International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control, Conference Proceedings, *December 8th 2011, Amiens, France,* pp. 48-53, Conference Paper, Published 2011, Code 92659. (**Indexat Scopus**).

J. Invenţii.

B1 - L. Cantemir, A. Rachid, **C. Niţucă**, I.C. Bărbânţă, G. Chiriac, A.P. Alexandrescu, *Echipament de acţionare electromagnetică a unui culegător de curent de tip pantograf*, Brevet de invenţie Nr. 128199, RO 128199 B1, Data depozit 23.08.2011, Data eliberării 28.02.2018.

K. Contracte de cercetare.

Proiecte de cercetare/educaţionale

Proiecte de cercetare/educaţionale pe bază de grant, sau după caz, prin care se *aduc contribuţii la dezvoltarea mediului educaţional / cultural / economic / social, din care:*

1. **Director proiect** – *Improving the technical and energy performances of multiphase propulsion systems on electric buses - Îmbunătățirea performanțelor tehnice și energetice ale sistemelor de propulsie multifazice pentru autobuze electrice - IPEBUS*, PN-IV-PCB-RO-MD-2024-0264, Proiecte complexe bilaterale cu Republica Moldova, Programul 5.8 – Cooperare Europeană și Internațională – Subprogramul 5.8.3 - Bilateral/Multilateral (din PNCDI IV), contract de finanțare nr. 38PCBROMD/2025, Volumul finanţării: 700.000,00 lei.Perioada de desfăşurare: 01.09.2025 – 01.09.2027.
2. **Director proiect** - „*Improving the cross-border public transportation using electric buses supplied with renewable energy*" – ELBUS, 2SOFT/3.1/54, European Neighbourhood Instrument (ENI), Cross Border Cooperation (CBC) from Joint Operational Programme Romania–Republic of Moldova, Priority 3.1 – Development of cross border transport infrastructure and ICT infrastructure. Volumul finanțării: 97,880.00 Euro.
3. **Director proiect** - *Studiul experimental al caracteristicilor curentului de arc de suprasarcină la siguranţele fuzibile de curent continuu/The experimental study on overload current arc characteristics of DC electric fuse*, România-China, Contract PN-III-P3-3.1-PM-RO-CN-2018-25BM. Volumul finanțării: 49.980,00 Lei.
   Proiectul a avut în vedere analiza mecanismelor fizice privind întreruperea curenţilor de sarcină la siguranţele fuzibile de curent continuu.
4. **Membru** în programul ROSE, Şcoala de vară „*Student ELECTRO la TUIASI*", Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Facultatea de Inginerie Electrică, Energetică şi Informatică Aplicată, Perioada 2019-2020. Director de proiect, prof.dr.ing. M. Adam.
5. **Membru** în proiectul "*Excelenţă în profesie şi în viaţă prin TUIASI (Excel TUIasi)*", proiect de dezvoltare instituţională, nr. CNFIS-FDI-2017-0017. Proiect derulat în perioada 26.06.2017-15.12.2017. Director de proiect, prof.dr.ing. C. Oprişan.
   Responsablităţi: Elaborare chestionar intern on-line monitorizare inserție profesională absolvenți, strategie competențe transversale, consilier târg locuri de muncă TUIASI.

6. **Membru** în proiectul „*Modelling and simulation of the current limiting fuses*", Capacities, Module III, Bilateral Research Project China - Romania, Contract no. 610/01.01.2013. Proiect derulat în perioada 2013-2014. Director de proiect, prof.dr.ing. T. A. Pleşca.
   Responsablităţi: analiza campului electro-termic la sigurante fuzibile limitatoare de curent, având la bază modelarea și simularea tridimensională a funcționării aparatelor electrice folosind un pachet software ce utilizează metoda elementului finit; analiza regimului tranzitoriu termic la sigurantele fuzibile pentru protectia semiconductoarelor de putere.
7. **Membru** în proiectul POS DRU *"Formarea personalului didactic din învăţământul secundar (ISCED 2-3) în vederea utilizării tehnologiei informaţiei şi a instrumentelor e-learning în activitatea didactică", eProf,* Expert pe termen scurt. Proiect derulat în perioada 2010-2012. Director de proiect, prof.dr.ing. Andon Hadăr, TUIASI, responsabil proiect, prof.dr.ing. Şt. Grigoraş.
   Responsabilităţi: predare, evaluare discipline din proiect (Didactica specialităţii, Instruire Asistată de Calculator).
8. **Membru** în proiectul strategic POS DRU/57/1.3/S/17884, *„Specializarea personalului didactic universitar pentru funcţia de „Cadru didactic supervizor" de practică tehnologică şi de cercetare"*, Expert pe termen lung. Proiect derulat în perioada 2010-2012. Director proiect, prof.dr.ing. M. D. Guşă.
   Responsabilităţi: Proiectarea didactică a activităţilor aplicative şi practice pentru formarea competenţelor de coordonare a practicii tehnologice şi de cercetare; proiectare, instrumentare, predare, evaluare discipline din proiect.
9. **Membru** în proiectul POS DRU/19/1.3/G/33739 *„Edu Tehnic Forma Plus",* Expert pe termen scurt. Proiect derulat în perioada 2010-2012. Director proiect, Conf.dr. Elena Dumitriu Tiron.
   Responsabilităţi: proiectarea didactică a activităţilor de învăţare, predare, evaluare a disciplinelor din proiect, cercetare pentru întocmirea materialelor didactice.
10. **Membru** în proiectul POS DRU/22/2.1/G/36441, „*Consiliere şi orientare profesională prin informare şi evaluare psihologică. Pasul cel mare. De la liceu la universitate"*. Expert pe termen scurt. Perioada 2009-2011. Director proiect, lect.dr. Smaranda Buju.
    Responsabilităţi: activităţi de mentorat, monitorizare şi evaluare a demersurilor practice de consiliere educaţională a studenţilor-consilieri; evaluator în cadrul concursului de mini-proiecte.

L. Premii, distincții.

1. Premiu CNCS: Competitia 2013_Premierea rezultatelor cercetarii - articole. Premiere pentru articolul cu titlul "*Thermal analysis of electrical contacts from pantograph–catenary system for power supply of electric vehicles*" Project Registration Code: PN-II-RU-PRECISI-2013-7-2018

2. Medalia de aur, L. Cantemir, **C. Niţucă**, G. Chiriac, A. Alexandrescu Panait, D. Cuciureanu, *A New Tipe of Electric Generator*, The XV-the International Exhibition of Research, Innovation and Technological Transfer „Inventica 2011", Iasi, Romania, 8-10 june 2011.

3. Medalia de argint la International Fair of Inventions and Practical Ideas , October 2015, Iasi. Pentru Cererea de brevet de inventie: *Balast cu miez comun*, Autori D. Cuciureanu, D.Ioachim, G. Chiriac, **C. Niţucă**.

M. Alte realizări semnificative.

Data,
31.10.2025

Nume, semnătura
Conf.univ.dr.ing. Costică Nițucă

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume :

A. Teza de doctorat.

1. „Cercetări privind supravegherea câmpurilor magnetice generate de sistemele de alimentare cu energie electrică", anul 2019, Universitatea Tehnică "Gheorghe Asachi" din Iaşi,domeniul inginerie electrică, conducător de doctorat: prof. univ. dr. ing. David Valeriu.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. Ionel Pavel, Camelia Petrescu, Valeriu David, Eduard Luncă, Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study, Revista Mathematics, Vol. 11, Nr. 10, pg. 1-15, 2023, ISSN: 2227-7390, DOI: 10.3390/math11102292, Q1, (indexată în Web of Science, SCOPUS);
2. Nica Ionuț, David Valeriu, Pavel Ionel, Sălceanu Andrei, Automatic long term survey of magnetic fields in residential areas. Instrumentation and measurements, Environmental Engineering and Management Journal, Vollume: 15, Issue: 12, December 2016, pages: 2631-2640, ISSN: 15829596, DOI: 10.30638/eemj.2016.289, (indexată în Web of Science, SCOPUS);

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. Ionel Pavel, David Valeriu, ON A LONG-TERM SURVEY OF THE MAGNETIC FIELD IN A LABORATORY, Buletinul Institutului Politehnic din Iași, Vol. 69 (73), Noiembrie 2023, pg. 47-59, DOI:10.2478/bipie-2023-0003.

2. Ionel Pavel, David Valeriu, Study of low frequency magnetic field of indoor distribution substation, Buletinul Institutului Politehnic din Iași, Vol. 68 (72), Octombrie 2023, pg. 45-55, DOI: 10.2478/bipie-2022-0016.
3. Ursache S., Lunca E., Salceanu A., Pavel I., Analysis of the influence of the current drawn by the appliance on the close magnetic field, Acta IMEKO, Volume 7, Issue 4, December 2018, pp. 70-74, ISSN: 0237028X, DOI: 10.21014/acta_imeko.v7i4.598, (indexată în SCOPUS).
4. Ionel Pavel and Valeriu David, The measurement of magnetic field in two power distribution substations, Buletinul Institutului Politehnic din Iaşi Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Volumul 62 (66), Numărul 4, 28 Niembrie, 2016, Iaşi, România, pages: 21-31.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. Donose Costel, Schreiner Cristina-Mihaela, Pavel Ionel, Pintilei Mădălina Ancuța, Monitoring of Classical and Modern Education, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), 11-13 October 2023, pg. 1-4, DOI: 10.1109/SIELMEN59038.2023.10290831, (indexată în IEEE Xplore, SCOPUS).
2. Luncă Eduard, Vornicu Silviu, Pavel Ionel, Andrușcă Mihai, Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 October 2022, Iasi, Romania, pp. 719-722, DOI: 10.1109/EPE56121.2022.9959872, (indexată în IEEE Xplore, SCOPUS).
3. Pavel Ionel, Donciu Codrin, Temneanu Marinel, Penciuc Mihai, Video Distance Measurement Method Based on the Weighted Average of the Depth Intervals Centers, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 October 2022, Iasi, Romania, pp. 457-461, DOI: 10.1109/EPE56121.2022.9959767, (indexată în IEEE Xplore, SCOPUS).
4. Pavel Ionel, David Valeriu, Roman Marina-Georgiana, Bordaș Alexandru-Marian, Low frequency magnetic field survey in different areas of a hospital's environment, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 October 2022, Iasi, Romania, pp. 484-488, DOI: 10.1109/EPE56121.2022.9959848, (indexată în IEEE Xplore, SCOPUS).
5. Ionel Pavel, Marius Brânzilă, Constantin Sărmășanu, Costel Donose, Alexandru-Constantin Podaru, LabVIEW based control and monitoring of a remote test-bench experiment for teaching laboratories, 13th International Conference on Electromechanical and Power Systems, SIELMEN 2021, 6 October, Iași, România/7-8 October, Chișinău, Rep. Moldova.
6. Valeriu David, Ionel Pavel, Eduard Lunca, A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines, 11th International Conference and Expositions on Electrical And Power Engineering - EPE 2020, 22-23 October 2020, Iaşi, România.
7. Pavel Ionel, David Valeriu, Donose Costel, A measurement system for the automatic survey of the low frequency magnetic field, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering, 18-19 October 2018, Iași, România, pages: 568-571, ISBN: 978-153865062-2, DOI: 10.1109/ICEPE.2018.8559761, (indexată în IEEE Xplore, Web of Science, SCOPUS).
8. Pavel Ionel, David Valeriu, Podaru Alexandru-Constantin, A Survey of the Magnetic Field in a MRI Area, 10th International Conference and Expositions on Electrical And Power Engineering, EPE 2018; Iasi; Romania; 18-19 October 2018, Iaşi, România, pages: 572-577, ISBN: 978-153865062-2, DOI:

10.1109/ICEPE.2018.8559645, (indexată în IEEE Xplore, Web of Science, SCOPUS).

9. Donose Costel, Schreiner Cristina-Mihaela, Podaru Alexandru-Constantin, Pavel Ionel, Virtual monitoring of electrical circuitry, 2017 11th International Conference on Electromechanical and Power Systems, SIELMEN 2017 – Proceedings 2017-January, Iasi, Romania, pages: 437-440, ISBN: 978-153861846-2, DOI: 10.1109/SIELMEN.2017.8123367, (indexată în IEEE Xplore, Web of Science, SCOPUS).
10. Donose Costel, Schreiner Cristina-Mihaela, Podaru Alexandru-Constantin, Pavel Ionel, Actuating and controlling electrical circuits by means of virtual instruments, 2017 11th International Conference on Electromechanical and Power Systems, SIELMEN 2017 – Proceedings 2017-January, Iasi, Romania pages: 441-444, ISBN: 978-153861846-2, DOI: 10.1109/SIELMEN.2017.8123371, (indexată în IEEE Xplore, Web of Science, SCOPUS).
11. Pavel Ionel, David Valeriu, On the survey of the magnetic fields in power distribution substations, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October, 2016, Iasi, Romania, pages. 413 – 417, ISBN: 978-150906129-7, DOI: 10.1109/ICEPE.2016.7781373, (indexată în IEEE Xplore, Web of Science, SCOPUS);
12. Ionel Pavel, Valeriu David, Silviu Ursache, On a Survey of the Magnetic Field in a Commercial Area, 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modeling and Testing, 14-16 September, 2017, Iasi, Romania, pages: 300-304, ISBN: 978-151084976-1, DOI: 10.1109/ICEPE.2018.8559645, (indexată în IEEE Xplore, SCOPUS);
13. Ursache S., Lunca E., Salceanu A., Pavel I., Study on the relationship between magnetic fields generated by home appliances and associated drawn currents, Proc. of the 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modeling and Testing, 14-16 September, 2017, Iasi, Romania, pages: 305-308, ISBN: 978-151084976-1, (indexată în SCOPUS).

J. Invenții.

1. Valeriu David, Eduard Luncă, Ionel Pavel, Supravegherea automată a câmpului magnetic cu detecţia şi caracterizarea câmpurilor tranzitorii, nr. RO133581 din 30.07.2024

K. Contracte de cercetare.

1. Proiect de tip POCU/993/6/13/153437, perioada 15.10.2022 – 30.10.2023, Titlu: Rețea de excelență în cercetare si inovare aplicativa pentru programele de studii doctorale si postdoctorale/InoHubDoc, Coordonator: TUIASI, UPT, cod SMIS: 153437.
2. Proiect de tip POR/2019/1/1.1/OS 1.2/1, perioada 04.01.2022 – 04.09.2023, Titlu: Sistem de avertizare seismică cu deblocarea automată a usilor de intrare prevăzute cu interfon, membru în echipa de implementare, Director de proiect: prof.dr.ing. Temneanu Marinel Costel, cod SMIS 137414.

L. Premii, distincții.

1. „Metodă de supraveghere automată a câmpului magnetic cu detecţia şi caracterizarea câmpurilor tranzitorii”, David Valeriu, Luncă Costel-Eduard, Pavel Ionel, premiat cu medalia de aur la Salonul Internaţional al Cercetării Ştiinţifice, Inovării şi Inventicii EURO POLITEHNICUS 2024.

M. Alte realizări semnificative.

Data,

Nume, semnătura

Pavel Ionel



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Pingescu Bogdan-Andrei

A. Teza de doctorat.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

F.1 *Constantin Razvan Beniuga, Bogdan Andrei Pingescu, Oana Cristina Beniuga, Alin Dragomir, Dragos-George Astanei, Radu Burlica*, **"Photovoltaic Panel System with Optical Dispersion of Solar Light for Greenhouse Agricultural Applications"** AgriEngineering 2025, 7, 125. https://doi.org/10.3390/agriengineering7040125

F.2 *Bogdan-Andrei Pingescu, Daniel Asmarandei, Dragoș Astanei, Oana Beniugă, Răzvan Beniugă, Radu Burlică,* **„Green Nitrate And Hydrogen Peroxide Synthesis By Non-Thermal Plasma Reactors For Agricultural Applications" –** 13th International Conference On Environmental Engineering And Management, 17-20 Sept. 2025 (ICEEM 2025), Environmental and Engineering Management Journal 2026.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I.1 *Pingescu Bogdan; Astanei Dragos; Burlică Radu; Asmarandei Vasile Daniel; Beniugă Oana Cristina; Gheorghe Veronica*, **"Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors" –** 2024 IEEE International conference and Exposition of Electric and Power Engineering (EPEi) DOI:10.1109/EPEi63510.2024.10758134

I.2 *Alin Dragomir; Maricel Adam; Dragos-George Astanei; Bogdan-Andrei Pingescu; Aurel-David Paizan; Alexandra Bodoga*, **"Digital Communication Capabilities of Low Voltage Circuit Breakers" -** 2024 IEEE International conference

and Exposition of Electric and Power Engineering (EPEi) DOI: 10.1109/EPEi63510.2024.10758137

I.3 *Bogdan-Andrei Pingescu; Vasile Daniel Asmarandei; Dragoș George Astanei; Oana Cristina Beniugă; Constantin Razvan Beniugă; Radu Burlică,* **"High Conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors" -** 2024 IEEE International conference and Exposition of Electric and Power Engineering (EPEi) DOI: 10.1109/EPEi63510.2024.10758144

I.4 *Oana-Cristina Beniuga, Bogdan-Andrei Pingescu, Constantin Razvan Beniuga, Dragos Astanei, Frederik Lebeau, Radu Burlica,* **„Enhancing Reactive Species Availability for Plant Growth Thorugh Plasma-Activated Water Integration in Sustainable Farming" –** International Conference on Electrocmechanical and Energy Systems 2025 (SIELMEN 2025)

I.5 *Vasile-Daniel Asmarandei, Bogdan-Andrei Pingescu, Radu Burlică, Petronela-Camelia Oprea, Răzvan Beniugă, Dragoș Astanei,* **„Non-Thermal Plasma Treatment Of Acetone-Polluted Wastewater From Chemical Industry Processes" –** TUIASI 8th International Conference of Doctoral School 2025 (CSD 2025)

I.6 *Covali, R. Burlica, D. Astanei, B. Pingescu, A. Anton, M Andrusca*, **DC Circuit Breaker with rotary contacts**, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chişinau, Republica of Moldova

I.7 *Bogdan-Andrei Pingescu, Radu Burlica, Dragos-George Astanei, Constantin-Bogdan Paduraru, Ionut-Alexandru Covali, Daniel Asmarandei* **„Preliminary Assessment of a Non-Thermal Plasma Reactor Producing Hydrogen Peroxide and Nitrate for Water-Soluble Dye and Organic Compound Degradation" -** Global Conference for Decarbonization of Energy and Materials (GC-DEM 2025), 16-19 oct. 2025, Singapore

I.8 *C.R. Beniuga, M. Tirşu, Mihai; R. Burlica, D.G. Astanei, B.A. Pingescu, O.C. Beniuga,* **Pathways to Efficient Agrivoltaics Through Functional Requirements and Light Dispersion Constraints for Photovoltaic Greenhouses**, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chişinau, Republica of Moldova

J. Invenții.

K. Contracte de cercetare.

Proiect IRP (Franța Université d'Orléans - România TUIASI) GREMI, UMR 7334 CNRS:
Reactoare cu plasmă non-termică pentru degradarea diferiților compuși din apele uzate. – Membru de proiect

PN-IV-PCB-ROMD-2024-0382 - SynFarm: Integrarea sinergetică a panourilor fotovoltaice complexe cu sistem de dispersie a luminii și tehnologiilor de producere a apei activate cu plasmă non-termică în agricultura durabilă în sere – Membru de proiect.

PN-IV-P8-8.3-PM-RO-BE-2024-0011 - AgriPAW (colaborare Belgia ULiège - România TUIASI):
Evaluarea impactului utilizării tehnologiei cu plasmă non-termică asupra creșterii și dezvoltării plantelor în agricultura de interior. – Membru de proiect

L. Premii, distincții.

M. Alte realizări semnificative.

Data,

27/02/2026

Nume, semnătura

Pingescu Bogdan-Andrei



27/02/2026

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: Plopa Olga

A. Teza de doctorat.

"Cercetări privind măsurarea numerică a impedanţelor"

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

Camelia Petrescu, **Olga Plopa**: Circuite liniare și neliniare - Culegere de probleme, Editura Politehnium, 2021.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

- Referate de laborator pentru disciplina Baze de date: https://edu.tuiasi.ro/course/view.php?id=8862

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

F.1. Lucrări ştiinţifice publicate în reviste cotate ISI

1. Trandabat, A.F.; Schreiner, O.D.; Schreiner, T.G.; **Plopa, O.**; Ciobanu, R.C., Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes. *Chemosensors* **2025**, Volume: 13, Issue: 4, **Journal Impact Factor ™ (**2024) **3.7, (**Five Year: **3.8)**, eISSN: 2227-9040, https://doi.org/10.3390/chemosensors13040130, **WOS:001474356600001** (**WoS, Scopus**)

2. Catalin-Paul Constantin, Luiza Madalina Gradinaru, **Olga Plopa**, Radu-Dan Rusu, Surface modification of polyimide films towards very low contact angles, Polymer Degradation and Stability, Volume 202, **2022**, Article Number: 110036, ISSN 0141-3910, Published: AUG 2022; Document Type: Article, https://doi.org/10.1016/j.polymdegradstab.2022.110036, ISSN: 0141-3910; eISSN: 1873-2321; **Journal Impact Factor ™** (2021) **5.204**, **WOS:000824494600003**. **(WoS, Scopus).**

3. Drobota, M, Butnaru, M., Vornicu, N., **Plopa, O**., Aflori, M., *Facile Method for Obtaining Gold-Coated Polyester Surfaces with Antimicrobial Properties*, ADVANCES IN POLYMER TECHNOLOGY, Volume: **2020**, Article Number: 4504062, DOI: 10.1155/2020/4504062, Published: APR 2 2020, Document Type:Article, **Impact Factor 1.539** (2019), 1.589 (5 year), Publisher WILEY-HINDAWI, ADAM HOUSE, 3RD FL, 1 FITZROY SQ, LONDON, WIT 5HE, ENGLAND, ISSN: 0730-6679, eISSN: 1098-2329, **WOS:000526854400001 (WoS, Scopus).**

F.2. Lucrări ştiinţifice publicate în reviste indexate BDI

1. **Plopa Olga**, Paulet Marius, Ursan George-Andrei, Ungureanu Laurentiu, Schreiner Cristina, *Capacitive C and RC sensorial test systems for automatic lighting control*, Buletinul Institutului Politehnic Iasi, sectia Electrotehnica, Energetica, Electronica, VOL 65 (69), FASC 4, pp. 61-70, **2019.**

2. Arădoaei S., **Plopa Olga**, *Symmetrical components evaluation in real time*, Buletinul Institutului Politehnic din Iaşi, Volumul 63 (67), Fasc. 2, **2017**, pp. 27-27.

3. Ursan G. A., Vremeră E., Ursan Maria, **Plopa Olga**, "Advanced Automotive Communication NetworkS, CAN Protocol Technology", Buletinul Institutului Politehnic Iasi, Tomul LV (LIX), FASC 3, pp. 43-56, **2009**.

4. **Plopa Olga**, C. Fosalau, Cretu M., "Grützmacher bridge as operation principle for a digital impedance meter", Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), FASC 4, pp. 1107-1112, **2008**.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I.1. Lucrări ştiinţifice publicate în volumele conferinţelor indexate ISI Web of Science

1. João Monge, Octavian Postolache, **Olga Plopa**, Alexandru Trandabat, Oliver Schreiner and Thomas Schreiner, Glucose Detection in Sweat using Biosensors, The 7th IEEE International Conference on E-Health and Bioengineering, EHB 2019. 21-23 November **2019**, Iasi, Romania, DOI: 10.1109/EHB47216.2019.8970023, Electronic ISBN: 978-1-7281-2603-6, USB ISBN: 978-1-7281-2602-9, Print on Demand(PoD) ISBN: 978-1-7281-2604-3, Electronic ISSN: 2575-5145, Print on Demand(PoD) ISSN: 2575-5137, (Indexat WoS, IEEE, Scopus) **WOS:000558648300153**

2. Gabriela Postolache, Alexandru Trandabat, **Olga Plopa**, Pedro Silva Girão and Octavian Postolache, Wearable devices for studying microvascular reactivity – it is feasible?, 7-th edition

of the International Conference on e-Health and Bioengineering, EHB 2019. 21-23 November **2019**, Iasi, Romania, in curs de publicare (Indexat WoS, IEEE, Scopus) **WOS:000558648300137**

3. Ursan George-Andrei, **Plopa Olga**, Contofan Cosmin, Aradoaei Mihaela, Ursan Maria, *Optical Evalution Systems for Anisotropic Composite Materials Quality Assessment*, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October **2019**, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 690-693, INSPEC Accession Number: 19186627, DOI: 10.1109/SIELMEN.2019.8905831, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0, **WOS:000630287500041**

4. Marius Paulet, **Olga Plopa**, George-Andrei Ursan, Ileana Ursu, *Vibration and Mechanical Shock Monitoring Using Flexible Piezoelectric Sensors*, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October **2019**, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 636-639, INSPEC Accession Number: 19172214, DOI: 10.1109/SIELMEN.2019.8905827, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0, **WOS:000630287500037**

5. **Olga Plopa**, Marius Paulet, George-Andrei Ursan, Laurentiu Ungureanu, Cristina Schreiner, Capacitive C and RC Sensorial Test Systems in LabVIEW Graphic Programming Environment with NI USB-6210 Acquisition Board, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October **2019**, Chisinau, R. Moldova, (Wos, Scopus, IEEE), pp. 632-635, INSPEC Accession Number: 19172180, DOI: 10.1109/SIELMEN.2019.8905884, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0 , **WOS:000630287500091**

6. **Olga Plopa**, Sebastian-Teodor Aradoaei, George-Andrei Ursan, *A New PSpice Implementation of a Three-Phase Induction Machine Model*, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October **2019**, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 520-525, INSPEC Accession Number: 19172232, DOI: 10.1109/SIELMEN.2019.8905799, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0 **WOS:000630287500011**

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8. Romeo Cristian Ciobanu, Marius Andrei Olariu, George-Andrei Ursan, Mihaela Aradoaei and **Olga Plopa**, Modeling and Simulation of Nanoparticles Dispersion for the Realization of ACFs, International Symposium on Fundamentals of Electrical Engineering 2018, November 1 - 3, **2018** Bucharest, Romania (Indexat WoS, IEEE, Scopus), **WOS:000480396400034**, ISBN:978-1-5386-7212-9, IDS Number: BN3NN

9. I.D. Vlaicu, M. Ma. ek Kržmanc, A.V. Maraloiu, D. Ghica, I.F. Mercioniu, M. Ștefan, A.M. Vlaicu, R.F. Negrea, A.C. Kuncser, Ș. Bulat, R. Ciobanu, **O. Plopa**, Limits and Particularities of the Synthesis of $Ba_{1-x}Ca_xTiO_3$ for Piezoelectric Applications, by Topochemical Conversion from Molten Salt Solutions, 2018 International Conference on Electrical and Power

Engineering, EPE 2018, October 18-19 **2018**, Iaşi, Romania, **WOS:000458752200205**, ISBN 978-1-5386-5062-2, ISSN 2471-6855 (Indexat WoS, IEEE, Scopus)

10. Cristian Győző Haba, Liviu Breniuc, **Olga Plopa**, Ileana Ursu, Multiple Gas Sensing Platform with RFID Connectivity, 2018 International Conference on Electrical and Power Engineering, EPE 2018, October 18-19 **2018**, Iaşi, Romania, **WOS:000458752200120**, ISBN 978-1-5386-5062-2, ISSN 2471-6855 (Indexat WoS, IEEE, Scopus)

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12. Camelia Petrescu, **Olga Plopa**, Using Differential Evolution Algorithms for the Analysis of Nonlinear Circuits, 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), pp. 196-200, USB PROCEEDINGS - ISBN 978-1-5386-1845-5, 11 October **2017** Iasi / 12-13 October 2017, Chisinau. **WOS**:**000426906000038**, ISBN: 978-1-5386-1846-2; IDS Number: BJ6PR. (Indexat WoS, IEEE, Scopus)

13. **Plopa Olga**, Ursan Maria, Tabrea Adrian, "*Panels and profiles for constructions based on bio-composites"*, International Conference and Exposition on Electrical and Power Engineering EPE 2014, Iasi, 16-18 October **2014**, pp. 873 - 876, INSPEC Accession Number: 14791714, DOI: 10.1109/ICEPE.2014.6970036, **WOS:000353565300162**, ISBN: 978-1-4799-5849-8; ISSN: 2471-6855; IDS Number: BC5TE, (Indexat ISI Web of Knowledge, IEEE, Scopus)

14. **Plopa Olga**, "*Implementing digital potentiometer in impedance measurements"*, MTC 2011, 7th International Conference Management of Technological Changes, 1-3 Septembrie 2011, Alexandroupolis, Grecia, pp. 405-407, **WOS:000306939900102**, ISBN: 978-960-99486-2-3, IDS Number: BBI18. (WoS, Scopus)

15. Kalvachev Y., Ganev V., Macheva Lubomira, **Plopa Olga**, Ciobanu Romeo, *"GRID-embeded Remote Instrumentation Applied in the Earth Sciences"*, International Multidisciplinary Scientific GeoConference SGEM **2009**, IDS Number: BOB04, ISSN 1314-2704, former ISBN 978-954-91818-1-4, pp. 79-86 **WOS:000276075800012** Indexat ISI Web of Knowledge)

I.2. Lucrări ştiinţifice publicate în volumele conferinţelor indexate BDI

1. **Plopa Olga**, Zodi Wissam, Ursan Maria, Study of the influence of nonlinear core parameters on the precision of instrument transformers, 15th International Conference on Electromechanical And Power Systems (SIELMEN 2025), Chisinau, R. Moldova, **2025** (Scopus, IEEE)

2. Ciobanu Romeo Cristian; Aradoaei Mihaela; Aradoaei Sebastian-Teodor; **Plopa Olga**; Agop Adelina, Adapting the Grounding Measurements Technique for Electrical Resistivity Tomography Applications, 15th International Conference on Electromechanical And Power Systems (SIELMEN 2025), Chisinau, R. Moldova, **2025** (Scopus, IEEE)

3. Ursan George-Andrei; **Plopa Olga**; Ursan Maria, Chirica Alexandru, Use of Recycled Plastic for Educational Purposes, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, **2024**, pp. 312-315, doi: 10.1109/EPEi63510.2024.10758185 (Scopus, IEEE).

4. Trandabat Alexandru, Arcire Alexandru, Ciobanu Romeo Cristian, **Plopa Olga**, Aradoaei Mihaela, Olteanu Alin, Mosneagu Andrei Adriana Mona, Design and modeling considerations

for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methilbenzenpirol, Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, EPE **2022**, pp. 245 – 252, ISBN 978-166548994-2, DOI 10.1109/EPE56121.2022.9959778 (Scopus, IEEE)

5. Botoc Dorin; Salceanu Alexandru; **Plopa Olga**; Siroux Monica, Exergetic Approach for Magnetic Refrigeration, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), **2021**, pp. 315-318, doi: 10.1109/SIELMEN53755.2021.9600331. (Scopus, IEEE)

6. Ursan George-Andrei; **Plopa Olga**; Ursan Maria, PLCs' Inputs and Outputs Response Time Testing Application, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), **2021**, pp. 057-060, doi: 10.1109/SIELMEN53755.2021.9600400. (Scopus, IEEE)

7. Ursan Maria; Ursan George-Andrei; **Plopa Olga**, Practical Application for Monitoring the Behavior of a Series RLC Circuit, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), **2021**, pp. 065-068, doi: 10.1109/SIELMEN53755.2021.9600325. (Scopus, IEEE)

8. Ursan George-Andrei**; Plopa Olga**; Ursuleasa Raluca Mihaela; Ursan Maria; Tugui Costel, Obtaining of the Paints with Electromagnetic Shielding Properties, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), **2021**, pp. 367-370, doi: 10.1109/SIELMEN53755.2021.9600281. (Scopus, IEEE)

9. Ursan George-Andrei, **Plopa Olga** and Ursan Maria, Testing Stand Using Hardware Description Languages, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), **2021**, pp. 061-064, doi: 10.1109/SIELMEN53755.2021.9600334. (Scopus, IEEE)

10. Ursan George-Andrei, **Plopa Olga**, Olteanu Alin-Alexandru, Ursu Ileana and Ursan Maria, Dielectric Properties of Malleable Composite Materials in Electromagnetic Field, *2021 International Conference on Electromechanical and Energy Systems (SIELMEN)*, **2021**, pp. 1-4, doi: 10.1109/SIELMEN53755.2021.9600422. (Scopus, IEEE)

11. Contofan Iulian Cosmin, Ursan George-Andrei, **Plopa Olga**, Ursan Maria, Correlation Between Concentration and Particles Size in Order to Optimize the Thermal Heating Process by Exposure of Composite Materials to Microwave Radiation, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, **2020**, Iasi, Romania. (Scopus, IEEE)

12. Ursan George-Andrei, **Plopa Olga**, Ursan Maria, Simulation of Electrical Circuits Using Data Acquisition Boards for Online Education, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, **2020**, Iasi, Romania. (Scopus, IEEE)

13. Laurentiu Ungureanu, Ciobanu Romeo, Schreiner Cristina, Mihaela Aradoaei, **Plopa Olga**, Flexible Piezo-Electric Composites for 3D-Printed Harvesters, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, **2020**, Iasi, Romania. (Scopus, IEEE)

14. Calin Rugina, **Olga Plopa**, Alexandra Iulia Vizitiu, *Mobile Applications for Smart Notifications*, 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, ISBN 978-606-13-3975-4, September 14-15, **2017**. (Indexat Scopus)

15. Hana Uršič, Romeo Ciobanu, **Olga Plopa**, *Polyoxidic Thick Films for Piezoelectric Energy Harvesters*, 22nd IMEKO TC4 International Symposium & 20th International Workshop

on ADC Modelling and Testing, Iasi, Romania, ISBN 978-606-13-3975-4, September 14-15, **2017**. (Indexat Scopus)

16. **Plopa Olga**, Creţu M., Burlacu Ramona, Costineanu D., *"A new approach of digital potentiometers: digital impedance measurements"*, 17th Symposium IMEKO TC 4, pp. 415-418, September 8-10, **2010**, Kosice, Slovakia (Scopus)

I.3. Alte lucrări ştiinţifice publicate în volumele unor conferinţe internaţionale şi naţionale

I.3.1. Lucrări ştiinţifice publicate în volumele unor conferinţe internaţionale

1. Schreiner C., Ciobanu R.C., Vlaicu I. and **Plopa Olga**, Innovative Nano-materials and Architectures for Integrated Piezoelectric Energy Harvesting Applications, 15th International Conference on Environmental Science and Technology, Rhodes, Greece, 31 August to 2 September **2017**, ISSN 1106-5516, ISBN 978-960-7475-53-4.

2. Cornelia Lorenz, **Olga Plopa**, Georgiana Maria Moraru, Cristian Bejenaru, "Dielectric specific characteristics of nanostructurated cores based on polysulfone in Salisbury and Jaumann configuration", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 84-87, 17-18 October **2013** Chişinău, Rep. of Moldova.

3. Cornelia Lorenz, **Olga Plopa**, Andrei Niagu, Daniela Astarastoaei, "Methods for testing the shielding efficiency of electromagnetic shielding systems with hexachirala structure", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 60-63, 17-18 October **2013** Chişinău, Rep. of Moldova.

4. Cornelia Lorenz, **Olga Plopa**, Bogdana Florean, Anca Pintea, "Development of electromagnetic shielding systems with chiral honeycomb layered multiwire structure", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 48-51, 17-18 October **2013** Chişinău, Rep. of Moldova.

5. **Plopa Olga**, Burlacu Ramona, Schreiner Cristina, "Considerations on new biosensor technology", 8th International Conference on Electromechanical and Power Systems SIELMEN 2011, pp 402-407, 13-15 octombrie **2011**, Chisinău.

6. **Plopa Olga**, Ursan G.A. and Astărăstoae Daniela, "Implementation of virtual impedancemeter", EPE 2010, The 6th International Conference on Electrical and Power Engineering, pp. I-371- I-374, Iasi, România 28-30 October **2010**.

7. **Plopa Olga**, Spiridonică A. M., Pîslaru M., Rusei R., "A Making-decision System Based on Fuzzy Rules for Quality Assurance in Production Process", 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, pp. I-36 - I-39, October 8-9, 2009, Iaşi, Romania.

8. **Plopa Olga**, Creţu M., "Possibilities of Digitizing of Grützmacher Bridge", 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, pp. I-231 - I-234, October 8-9, 2009, Iaşi, Romania.

9. Ursan G. A., Vremeră E., Ursan Maria, **Plopa Olga**, "Hybrid Electrical Vehicle,Control System for Parallel Design", 3rd International Symposium on Electrical Engineering and Energy Converters, pg. 151, September 24-25, 2009, Suceava, ISSN 2066-835X.

10. Costineanu D., Fosalau C., Damian C., **Plopa Olga**, "*Triangulation-based 3d image processing method and system with compensating the errors of shadowing"*, 16th IMEKO-TC4Symposium, pp. 460-463, September 22-24, Florence, **2008**.

11. Zet C., **Plopa Olga**, Damian C., Fosalau C., "*Virtual Impedance spectroscopy for electrolytical cells"*, 16th IMEKO-TC4Symposium, pp. 651-656, September 22-24, Florence, **2008**.

12. **Plopa Olga**, C. Fosalau, "Considerations on Digital Impedance Measurements", Proceedings of 6th International Conference on Electromechanical and Power Systems, SIELMEN 2007, October 4-6, Chişinău, **2007**, Vol. II, pp. 32-37.

I.3.2. Lucrări ştiinţifice publicate în volumele unor conferinţe naţionale

1. Seliman Cătălina, **Plopa Olga**, Damian C., Creţu M., "Urban Environment Influence on the Surface Water Quality in the City of Iaşi", Ecological agriculture - priorities and perspectives, the 52nd Scientific Conference, Book of abstracts pg. 38, October, **2009**.

2. **Plopa Olga**, Seliman Cătălina, Damian C., "Environmental Parameters Laboratory Measurements With Virtual Instrumentation", Ecological agriculture - priorities and perspectives, the 52nd Scientific Conference, Book of abstracts pg. 62, October, **2009**.

J. Invenţii.

K. Contracte de cercetare/granturi

1. POC 2014-2020, Axa 1, Acţiunea 1.2.3 Parteneriate pentru transfer de cunoştinţe, „Parteneriate pentru transfer de cunoştinţe în domeniul materialelor polimere folosite în ingineria biomedicală", POINGBIO, ID P_40_443, cod MySMIS:105689, Contract de finanţare nr. 86/8.09.2016, Ctr. subsidiar nr. 6353/25.09.2017//392/28.09.2017, **Responsabil proiect**, 2017-2019

2. ERANET, ct. 51/2016, "Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice", **Director proiect**, 2016-2019

3. MANUNET ERA NET, nr. 7-038/2011, "Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi", **Responsabil proiect**, 2011-2014

4. Eureka traditional, nr. 308E/19.08.2011, „Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „conceptul cladirii verzi"", **Responsabil proiect**, 2011-2014

5. CNCSIS Td-118, ct. 344/2007, „Cercetări privind măsurarea numerică a impedanţelor", **Director proiect**, 2007-2008

L. Premii, distincţii

Program 5.2, Subprogram 5.2.3 - Premierea rezultatelor cercetarii - Articole Web of Science, Competitia 2023 pentru articolul:

Catalin-Paul Constantin, Luiza Madalina Gradinaru, **Olga Plopa**, Radu-Dan Rusu, Surface modification of polyimide films towards very low contact angles, Polymer Degradation and Stability, Volume 202, **2022**, Article Number: 110036, ISSN 0141-3910, Published: AUG 2022; Document Type: Article, https://doi.org/10.1016/j.polymdegradstab.2022.110036, ISSN: 0141-3910; eISSN: 1873-2321; **Journal Impact Factor ™** (2021) **5.204**, **WOS:000824494600003**. **(WoS, Scopus)**

M. Alte realizări semnificative

Membru în organizaţii profesionale: Membru SETIS - Societatea Absolvenților Facultății de Electrotehnică

Organizator de manifestări ştiinţifice:

- 15th International Conference on Electromechanical and Energy Systems (SIELMEN **2025**), Local secretary
- 13th International Conference on Electromechanical and Energy Systems - SIELMEN **2021**, Asistent editor
- 12th International Conference on Electromechanical And Energy Systems SIELMEN **2019**, Chairmen Sesiune de postere
- 2018 International Conference on Electrical and Power Engineering, EPE 2018, October 18-19 **2018**, Iaşi, Romania, Member
- SIELMEN 2017, 2017 International Conference on Electromechanical and Power Systems; 11-13 Oct. **2017**, Editor assistent.

Data: 27 februarie 2026

S.l.dr.ing. Plopa Olga
Semnătura:



Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **Marian-Silviu Poboroniuc**

A. **Teza de doctorat**.

1. „Identificare şi comandă pentru conducerea roboţilor industriali" 2000, Domeniul „Sisteme Automate", Universitatea POLITEHNICA din Bucureşti, conducător doctorat: prof. dr. ing. Dumitru Popescu.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. **Poboroniuc Marian-Silviu**, Irimia DC., Popescu G. (2021) *Rehabilitation Aims and Assessed Brain Activity by Means of Brain-Computer Interfaces in People in a Vegetative State - Preliminary Results*. In: Kurosu M. (eds) Human-Computer Interaction. Theory, Methods and Tools. HCII 2021. Lecture Notes in Computer Science, vol 12762. Springer, Cham. https://doi.org/10.1007/978-3-030-78462-1_44 (indexed WoS).
2. **Poboroniuc Marian-Silviu**, Irimia D.C., (2020) *Intelligent Functional Electrical Stimulation*. In: Costin H., Schuller B., Florea A. (eds) Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications. Intelligent Systems Reference Library, vol 170, pp.61-82. Springer, Cham, First on-line: 8.11.2019; DOI: https://doi.org/10.1007/978-3-030-30817-9_3, Print ISBN: 978-3-030-30816-2, On-line ISBN: 978-3-030-30817-9, indexed WoS.
3. Nirvana Popescu, **Poboroniuc Marian**, Decebal Popescu, Danut Irimia, Alexandru Valer Grigoras, *Intelligent system for after-stroke home rehabilitation* (chapter 14), Book: Enhanced Living Environments: From models to technologies, Editors: R.I. Goleva, I. Ganchev, C. Dobre, N. Garcia, C. Valderrama, ch14: 345-365, published by IET Digital Library, Book DOI: 10.1049/PBHE010E, Chapter DOI: 10.1049/PBHE010E_ch, e-ISBN: 9781785612121, 2017.
4. **Poboroniuc M**., Ward A., et all. (14 coautori), *Report on a survey of existing European Higher Education Programmes orientated to the Renewable Energies and ICT Securities Technical Challenges*, SALEIE book chapter, pp.1-67, published by The University of York, Department of Electronics, Heslington, York, YO10 5DD, UK, ISBN 978-1-85911-032-4, February 2016.
5. V. Bobot, J.K. Borup, S.D. Ionascu, M. Vettensaari, S. Wintgen, **Poboroniuc M**., R. Ionascu, D. Irimia, M.C. Stefan, M. Bacosca, Editori: V. Bobot, J.K. Borup,

S.D. Ionascu, M. Vettensaari, S. Wintgen; 2010, *How to build a robot (A step by step practical guide for students and teachers of secondary and high schools)* (rezultat proiect ROKEY- COMENIUS project COM-08-PM-653-VS-DE - EU Life Long Learning Programme (no.4935/29.09.2008 - A.N.P.C.D.E.F.P., CONTRACT NO.127/2.10.2008)); Edited by WEBPRINT s.r.o., Trencin, Slovac Republic, ISBN 978-80-970475-2-8, 2010, 99 pag.((50 rinduri/ pagina).)

C. **Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS)**.

1. Irimia D.C., **Poboroniuc M.S.,** (2022) *Elemente de analiză şi control în sisteme tip interfaţă creier-calculator*, ISBN: 978-606-13-7332-1, pp. 221, Editura PIM, Iaşi, 2022.
2. V. Bobot, S.D. Ionascu, **Poboroniuc M**., J.K. Borup, M. Vettensaari, S. Wintgen, M. Ciulei, D. Irimia, M. Bacosca, G. Eusebiu, Editori: Silvia-Daniela Ionascu, M.S. Poboroniuc, Radu Ionascu. *Cum se construieste un robot (Un ghid practic pas cu pas pentru elevii si profesorii din scoli gimnaziale si licee);* Proiect ROKEY 2008-2010, Editura IMPRIMIS, Iasi, Romania, ISBN 978-606-92400-1-4, 2011, 99 pag., (50 rinduri/ pagina).
3. Popescu D., Ivanescu M., **Poboroniuc M.,** Borangiu Th., Frangu L., Popescu D., Editori: Popescu D., Ivanescu M., Poboroniuc M., Borangiu Th., Frangu L., Popescu D.; *Partajarea resurselor de instruire si de cercetare;,* Editura 'Universitaria', Craiova, 265 pag., 2008, ISBN: 978-606-510-228-6; contributie proprie impreuna cu M.S.Ciprian la CAPITOL 4 (pg.167-204; 37 pag.) (37 rinduri/pagina).
4. **M. Poboroniuc**, *Elemente de programare si control a neuroprotezelor*, Editura VENUS, Iasi, 2006, ISBN 978-973-756-036-0, pag.180 (36 rinduri/pagina).
5. **M. Poboroniuc**, C.D. Popescu, B. Ignat, *Stimularea electrica functionala. Controlul neuroprotezelor,* Editura POLITEHNIUM, Iasi, 2005, ISBN 973-621-133-9 pag.180 (36 rinduri/pagina).
6. **M. Poboroniuc**, *Controlul robotilor. Controlul miscarii umane prin stimulare electrica functionala*, Editura POLITEHNIUM, Iasi , 2004, ISBN 973-621-074-x, pag.261 (38 rinduri/pagina).
7. **M. Poboroniuc**, G. Livint, M. Petrescu, *Aplicatii in modelarea si identificarea sistemelor*, Editura ELECTRA, Bucuresti, 2004, ISBN 973-7728-21-1, pag.182, (33 rânduri/pagină).

D. **Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local**.

1. Gh. Livint, **M. Poboroniuc**, *Teoria Sistemelor (aplicatii),* Editura "Gheorghe Asachi", Iasi, Romania, 189 pag. (51 pagini proprii), 1999,(44 rânduri/pagină).

E. **Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web**.

1. Identificarea si modelarea sistemelor - curs. http://www.marian-poboroniuc.ieeia.tuiasi.ro/doc/IMS.htm
2. Teoria Sistemelor- curs. http://www.marian-poboroniuc.ieeia.tuiasi.ro/doc/TS.htm

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. Johannes Gruenwald, Leonhard Schreiner, Sebastian Sieghartsleitner, Alexandru Buzamat, Giovanni Lombardi, Antonio Calzone, Marco Fummo, Slobodan Tanackovic, **Marian-Silviu Poboroniuc**, Rossella Spataro, Agnese Zazio, Marta

Bortoletto & Christoph Guger, Reliable and efficient transcranial magnetic stimulation–electroencephalography (TMS–EEG) using ultra-thin active electrodes. Commun Eng 4, 206 (2025). https://doi.org/10.1038/s44172-025-00538-8 , (ISSN/eISSN: 2731-3395; Indexed WoS-ESCI; Source Normalized Impact per Paper (SNIP): 2.366 (2024); SCImago Journal Rank (SJR): 1.151 (2024); IF5.625/2024; Q1).

2. Robert Gabriel Lupu, Danut Constantin Irimia, Florina Ungureanu, **Poboroniuc M. S.**, Alin Moldoveanu, 2018, BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities, Wireless Communications and Mobile Computing, Volume 2018 (2018), Article ID 4798359, 8 pages, https://doi.org/10.1155/2018/4798359 .
3. Irimia D.C., R. Ortner. **M.S. Poboroniuc**, B.E. Ignat, C. Guger, High classification accuracy of a motor imagery based brain-computer interface for stroke rehabilitation training, Frontiers in Robotics and AI, ID287317, pp.1-19, 2018, https://doi.org/10.3389/frobt.2018.00130 indexed WOS.
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J. **Invenţii**.

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K. **Contracte de cercetare/granturi**.

Internationale:

1. European Project "***Boosting INGENIUM for Excellence (BI4E)***", HORIZON-WIDERA-2021-ACCESS-05-01-European Excellence Initiative under Grant Agreement No. 101071321 -BI4E, 2023-2026 (TUIASI Key Expert in WP6: Promoting the attractiveness of academic careers).
2. ***Strategic Alignment of Electrical and Information Engineering in European Higher Education Institutions*** (SALEIE), No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW (EU Lifelong Learning project), 2012-2015, Coordonator: University of York, UK, http://www.saleie.co.uk/index.html; Responsabil proiect P12-TUIASI: Marian Poboroniuc (lider Workpackage 3), 30000 Euro (~ 133200 RON).
3. H2020-WIDESPREAD-2018-2020: ***Development of a World-Level Neuroengineering Research Centre by European Twining***, BRAINTWIN, tip: H2020-WIDESPREAD-2018-2020, nr.952378/26.06.2020, Coordinator: TUIASI, Marian Poboroniuc (key expert of TUIASI BrainTwin team).

Naţionale:

1. PN4-P7-157/03.06.2025: HealthTech Project no. 5FTT/2025- "*HealthTech Connect - Tehnologie și inovare în sănătate*", (Programul 5.7 - Parteneriat pentru Inovare; Subprogramul 5.7.4 - Transfer tehnologic în sprijinul competitivității - pentru crearea și dezvoltarea de servicii CDI – 6 months); 498992 RON (TUIASI Key Expert).
2. Project "STEM. Dance and Neuroscience" (Grant no.420/29.04.2025) is initiated by the Choreography Section Association. Partnership: "George Enescu" National University of Arts Iași, "Gheorghe Asachi" Technical University of Iași, "Grigore T. Popa" University of Medicine and Pharmacy Iași, National Museum of Romanian Literature Iași. The project is co-funded by the Ministry of Culture and the "George Enescu" National University of Arts Iași, through a grant from the Institute for Multidisciplinary Research in Art (TUIASI Key Expert).
3. P3 PNIII/ 25PTE/2020, Intelligent mechatronic-textile gloves for hand rehabilitation in stroke (Mănuși mecatronice textile inteligente pentru recuperarea mâinii la persoanele cu accident vascular cerebral)- MANUTEX, Coordinator: SC MAGNUM SX SRL Bucharest, TUIASI project responsible: Marian Poboroniuc & Rehabilitation Hospital of Iasi, 01.06.2020-31.05.2022.
4. PN-III-P2-2.1-BG-2016-0236, Applications of video image processing technologies for autonomous vehicles and traffic safety, Coordinator: TUIASI, role: Key Expert, 01.10.2016-30.09.2018.

5. PN-II-PT-PCCA-2013-4-1580, Virtual Therapist with Augmented Feedback for Neuromotor Recovery, Coordinator: Politehnica Univ. of Bucharest, Role: Key Expert, 01.07.2014-30.09.2017.
6. PNII project NOVAFES, no.267/2014, Innovative garments with embedded electrodes for functional electrical stimulation based rehabilitation (Materiale textile inovative cu electrozi incorporati pentru recuperarea prin stimulare electrica functionala a persoanelor cu dizabilitati neuromotorii), UEFISCDI- Romania, 2014-2016, Coodinator: Gheorghe Asachi Technical University of Iasi; Director: Marian Silviu Poboroniuc (partners: Clinical Rehabilitation Hospital of Iasi, SC Magnum SX SRL, SC RO-GALU SRL, Bucharest).
7. PNII project, IHRG -"AN INTELLIGENT HAPTIC ROBOT GLOVE for the PATIENTS SUFFERING A CEREBROVASCULAR ACCIDENT" No. 150/2012, 2012-2015, Coodinator: University of Bucharest; Project responsible TUIASI: Marian Poboroniuc.
8. EUREKA PROJECT E!7218 –ACRONYM ProTexHeatINT, INOVARE project, 2012-2015 -"Functional Textile Products for Different Heating and Other Intelligent Applications" Project coordinator: SC Magnum SX SRL, Bucharest, participants: Gheorghe Asachi Technical University of Iasi, UNITEKS -Tekstil Gıda Motorlu Araçlar San.Tic.A.Ş, Turkey, RO-GALU PROD Ltd., Bucharest, TUIASI Members: Antonela Curteza (coordinator), Marian Poboroniuc, Laura Macovei, Danut Irimia.
9. PNII project, EXOSLIM -"A HYBRID FES-EXOSKELETON SYSTEM TO REHABILITATE THE UPPER LIMB IN DISABLED PEOPLE" No. 180/2012, 2012-2015, Coodinator: University of Iasi; Project coordinator: Olaru Radu, Scientific director TUIASI: Marian Poboroniuc.
10. FIPPTex-Advanced Materials and Products Designed for Persons with Special Needs – Romania- Turkey bilateral cooperation – Capacities Module III – 2010-2011, project no.408/03.05.2010); Members: Antonela Curteza (coordinator), Marian Poboroniuc, Laura Macovei, Viorica Serban, Danut Irimia.
11. ROKEY- 'Robot Technologies as a Key for Learning in Future' - COMENIUS project COM-08-PM-653-VS-DE - EU Life Long Learning Programme (no.4935/29.09.2008 - A.N.P.C.D.E.F.P., CONTRACT NO.127/2.10.2008). Faculty of Electrical Engineering - U.T.Iasi is associated partner of "Stefan Procopiu" Industrial High School. Contact person and coordinator of the UTI team: dr. Marian Poboroniuc. Foreign partners from: Germany, Slovak Republic, Finland and Denmark.
12. PNII project ANCS No.31CB/09.06.2008-CAPACITATI-MODUL III- Slovene-Romanian Bilateral Scientific and Technological Cooperation Project - DEVELOPMENT OF NEW NEUROPROSTHESIS AND ASSESSMENT TOOLS FOR IMPAIRED PEOPLE DUE TO A CENTRAL NERVOUS SYSTEM LESSION, Granted by National Authority for Scientific Research, Ministry of Education, Research and Youth, 2008-2009, 124395 RON, Project coordinator: Dr. Marian Poboroniuc (RO) & dr. Roman Kamnik (Slovenia)(http://neuroteh.ee.tuiasi.ro/).
13. PNII Project – SISTEME INCORPORATE TIP NEUROPROTEZA PENTRU RECUPERAREA PERSOANELOR CU HANDICAP NEUROMOTOR - SINPHA (NEUROPROSTHESIS-TYPE EMBEDDED SYSTEMS FOR NEUROREHABILITATION)– D11-068/18.09.2008, Granted by Research and Education Ministry of Romania (2007-2010). Project coordinator- Dr. Marian Poboroniuc (http://sinpha.ee.tuiasi.ro).
14. PNII Project – SISTEME INTELIGENTE PENTRU MONITORIZAREA LA DISTANŢĂ A PROCESELOR DE RECUPERARE BAZATE PE FES- ARMS (INTELLIGENT SYSTEMS FOR REMOTE MONITORING OF THE REHABILITATION PROCESSES BASED ON FES)– D71-095/18.09.2008, Granted

by Research and Education Ministry of Romania (2007-2010). Project coordinator-Dr. Marian Poboroniuc (http://www.arms-tex.ro).

15. INFOSOC Project – Partajarea resurselor de instruire si cercetare – PRIC (Virtual labs for formative assessment and research) – 24-CEEX/I03/10.10.2005, Granted by Research and Education Ministry of Romania (2005-2008). UTI project coordinator-Dr. Marian Poboroniuc (http://pric.ee.tuiasi.ro).
16. Slovene-Romanian Bilateral Scientific and Technological Cooperation Project: "Standing-up motion augmentation in paraplegia by means of FES and robot technology " (September 2005 - December 2007).
17. FES-based control of neuroprostheses to rehabilitate the subjects with movement disorders due to a CNS lesion (Tehnici de control a protezelor bazate pe stimulare electrica functionala a muschilor in recuperarea pacientilor cu handicap neuromotor datorat unei afectiuni a sistemului nervos central) (2004 - 2006), Contract no. 33371/ 29.06.2004, theme 35, Grant CNCSIS 544/2004 - Granted by The National University Research Council of Romania.
18. Microelectronics techniques utilization to provide nervous stimuli and to help in neurological recovery of subjects with lesions at the central nervous system level (Utilizarea tehnicilor micro-electronice in generarea stimulilor de natura nervoasa si recuperarea neuromotorie a persoanelor cu leziuni la nivelul sistemului nervos central) (October 2004 - March 2006), Contract VIASAN no. 469/2004, Granted by Research and Education Ministry of Romania. Staff: Dr. Nita Lucian, Dr. Marian Poboroniuc, Dr. Cristian Dinu Popescu, MD.
19. Slovene-Romanian Bilateral Scientific and Technological Cooperation Project: "Development of sensory supported FES system for restoring standing-up and sitting down in paralyzed patients" (May 2003 - December 2004);
20. Research Training Network Neural Prostheses (NeuralPRO - HPRN-CT-2000-00030) March 2001-February 2003;
21. Mobile robot control - granted by ERASMUS, University " Jules Verne" of Picardie, Automated Systems Laboratory, 1999;
22. Power source control using a computer in the process of structured water producing - Program III, Theme: B.10 / 24.05.1995, S.C.Biotehnos S.A. Bucharest;
23. Power source project- Program III, Theme: 4.3.6.B.2/ 15.11.1994,S.C.Biotehnos S.A. Bucharest;
24. Some industrial processes modelling and identification -No.36894/15.08.1994, granted by Education Ministry;
25. Some technical processes modelling and computer simulation -No.8504/1993, granted by Education Ministry;
26. Linear motor actuation and control - No.3415/ 1992, granted by Education Ministry;
27. Some technical processes modelling and computer simulation -No.8504/1993, granted by Education Ministry;).

Data: 16.02.2026 Semnătura:

Anexa A.7. Lista de lucrări, cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE MANAGEMENT
Programul de studii de licență: INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Numele şi prenumele: RUSU Bogdan

CUPRINS

A. TEZA DE DOCTORAT 2

B. CĂRŢI (MANUALE, MONOGRAFII, TRATATE, ÎNDRUMARE ETC.) PUBLICATE ÎN STRĂINĂTATE 2

C. CĂRŢI (MANUALE, MONOGRAFII, TRATATE, ÎNDRUMARE ETC.) PUBLICATE ÎN ŢARĂ, LA EDITURI RECUNOSCUTE CNCSIS 2

D. CĂRŢI (MANUALE, MONOGRAFII, TRATATE, ÎNDRUMARE ETC.) PUBLICATE PE PLAN LOCAL. 3

E. CĂRŢI (MANUALE, MONOGRAFII, TRATATE, ÎNDRUMARE ETC.) PUBLICATE PE WEB. 3

F. LUCRĂRI ŞTIINŢIFICE PUBLICATE ÎN REVISTE COTATE ISI SAU INDEXATE ÎN BAZE DE DATE INTERNAŢIONALE. 3

F.1. LUCRĂRI INDEXATE ISI ÎN REVISTE 3
F.2. LUCRĂRI INDEXATE ISI ÎN CONFERINȚE BAZA DE DATE THOMPSON REUTERS 4

G. A. LUCRĂRI ŞTIINŢIFICE PUBLICATE ÎN REVISTE DIN STRĂINĂTATE. 7

H. LUCRĂRI ŞTIINŢIFICE PUBLICATE ÎN REVISTE DIN ŢARĂ, RECUNOSCUTE CNCSIS. 8

H.1. LUCRĂRI PUBLICATE ÎN REVISTE CU REFERENŢI DIN ŢARĂ 8
H.1.1 – Revistele societăţilor de profil 8
H.1.2 – Buletinele universităţilor 8

I. LUCRĂRI ŞTIINŢIFICE PUBLICATE ÎN VOLUMELE CONFERINŢELOR. 9

I.1. COMUNICĂRI ÎN VOLUMUL CONFERINŢELOR (MANIFESTĂRILOR) INTERNAŢIONALE – DIN ROMÂNIA 9
I.2. COMUNICĂRI ÎN VOLUME (PROCEEDINGS) ALE CONFERINŢELOR INTERNAŢIONALE (PUBLICATE INTEGRAL) 10
I.3. COMUNICĂRI ÎN ALTE PUBLICAŢII (VOLUME ALE SESIUNILOR ŞTIINŢIFICE) 12

J. INVENŢII. 12

K. CONTRACTE DE CERCETARE 12

L. PREMII, DISTINCŢII. 14

M. ALTE REALIZĂRI SEMNIFICATIVE 14

V - C. CONSULTANŢĂ 15

A. Teza de doctorat

Doctor în Management, în baza ordinului Ministrului Educaţiei Naţionale nr. 3467 din 16.03.2001. Teza de doctorat "Managementul Calităţii Totale în firmele mici şi mijlocii".

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate

1. Bogdan Rusu, (2013), *Hidden Champions from Romania,* in McKiernan, Peter; Purg, Danica (Eds.), Hidden Champions in CEE and Turkey - Carving Out a Global Niche, Springer Dordrecht Heidelberg, London, pp. 261 – 278, ISBN 978-3-642-40504-4
2. Rusu B., (2005), *Use of e-technologies in Romanian Companies*, în Erasmus University Rotterdam, Cendris Rotterdam, pp. 109–124, ISBN 90-809692-1-4
3. Rusu B. (2001), *Small - and Medium-Size Enterprises and Total Quality Management: Experiences in Post-Communist Romania*, în Post-Communist Romania: Coming to Terms with Transition, Editori - Duncan Light şi David Phinnemore, Palgrave, London, p. 224-242, ISBN 0-333-79187-8

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS

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15. Braha, V., Negoescu, Fl., Rusu,B., (2000) şi Sârbu, Elena - *Determinarea diametrului semifabricatului plan a membranelor ondulate cu profil descris de o curbă cicloidă scurtată sau epicicloidă scurtată,* Buletinul Institutului Politehnic din Iaşi, Tomul XLVI (L), Supliment II, Seria Construcţii de Maşini, p. 9-12
16. Rusu,B., Bulacovschi, Ilie, Avasilcăi, Silvia, (2000), *Training in quality – needs assessment in some Romanian companies,*Buletinul Institutului Politehnic din Iaşi, Tomul XLVI (L), Supliment II, Seria Construcţii de Maşini, p. 289-292
17. Rusu,B. Avasilcăi, Silvia, Bulacovschi, Ilie, (2000), Quality awareness and quality practices profiles of some Romanian companie,*Buletinul Institutului Politehnic din Iaşi*, Tomul XLVI (L), Supliment II, Seria Construcţii de Maşini, p. 285-288
18. Rusu, B. şi Braha, V., (1998), *Îmbunătăţirea calităţii produselor prin optimizarea aranjării pe bandă la ştanţare: aspecte umane şi financiare*, Buletinul Institutului Politehnic din Iaşi, 1998, Tomul XLIV(XLVII), Supliment II, p. 247-250
19. Muscă, G. şi Rusu, B., (1995), Researches on modelling the elasto-plastic contact in the finishing by rolling of tooth gears, *Buletinul Institutului Politehnic din Iaşi*, Tomul XLI (XLV), Secţia V, Fasc.1-2, p. 113-120
20. Cozma, D., Rusu, B. şi Muscă, G., (1994), Study on the movement of particles on the working surface of separator conveyer with Study on the movement of particles on the working surface of separator conveyer with, *Buletinul Institutului Politehnic din Iaşi*, Tomul XL (XLIV), Secţia V, Fasc.1-4 p. 95-99
21. Muscă, G., Cozma, D. şi Rusu, B., (1993), *Method to establish the optimal parameters in a technological process*, Buletinul Institutului Politehnic din Iaşi, Tomul XXXIX (XLIII), Secţia V, Fasc.1-4, p. 213-220
22. Rusu, B,.(1998), *Abordarea calităţii în firmele mari: nevoi şi reacţii ale angajaţilo*r, Buletinul Institutului Politehnic din Iaşi, Tomul XLIV (XLVII), Suplim. II, p. 251-254
23. Cozma D., Rusu B. şi Muscă G., (1994), *Study on the movement of particles on the working surface of separator conveyer with articulated bars*, Buletinul Institutului Politehnic din Iaşi, Tomul XL (XLIV), Secţia V, Fasc.1-4, p. 95-99
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I. Lucrări ştiinţifice publicate în volumele conferinţelor.

I.1. Comunicări în volumul conferinţelor (manifestărilor) internaţionale – din România

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2. Rusu B., (2020), Design Thinking Workshops: Uncovering Facilitator and Participants' Experiences. In: Prostean G., Lavios Villahoz J., Brancu L., Bakacsi G. (eds) Innovation

in Sustainable Management and Entrepreneurship. SIM 2019. Springer Proceedings in Business and Economics. Springer, Cham, pp 403-416, https://doi.org/10.1007/978-3-030-44711-3_30

3. Rusu B., Tudose M.B., (2018), Qualitative study to identify key factors affecting student perception toward the use of e-learning in a technical university, în *The 14th International Scientific Conference eLearning and Software for Education*, eLearning challenges and new horizons, Volume III, Bucuresti 19-20 aprilie 2018, pp. 96-103.
4. Rusu B., Tudose M.B., (2018), Quantitative analysis of main advantages and disadvantages of the use of e-learning in a technical university, în *The 14th International Scientific Conference eLearning and Software for Education*, eLearning challenges and new horizons, Volume III, Bucuresti 19-20 aprilie 2018, pp. 224-231.
5. Rusu B., Tudose M.B., (2018), Studying students' perceptions of e-learning – precondition for increasing the performance of educational management, în *6th International Management Conference - Performance Management or Management Performance? – RMEE 2018*, 20-22 septembrie 2018, pp. 442-447.
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9. Mihai Gafiţanu Rusu, B., (2001), New perspective of quality for Romanian higher education, *Proceedings of 1st International Conference European Dimension in Quality Assurance, Iaşi*, Editura Economică, p. 236-241.
10. Rusu, B., Rusu C., (2001), Evaluation results in the university: management, teaching staff, level of students satisfaction, *Proceedings of 1st International Conference European Dimension in Quality Assurance, Iaşi*, Editura Economică, p. 276-283.
11. Rusu, B., Bulgaru Adrian, (2001), Quality costing: case study analyse, *Proceedings of 1st International Conference European Dimension in Quality Assurance, Iaşi*, Editura Economică, p. 97-102.
12. Costache Rusu, Silvia Avasilcăi, Carmen Aida Hutu, Rusu, B., (2001), European dimension in quality assurance: assessment and conclusions, *Proceedings of 1st International Conference European Dimension in Quality Assurance, Iaşi*, Editura Economică, p. 17-22.
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I.2. Comunicări în volume (proceedings) ale conferinţelor internaţionale (publicate integral)

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2. Rusu B., Tudose M.B., (2018), Perceptions on e-learning in a technical university according to their competences in English, în *The 17-th Romanian Textiles and Leather Conference" - CORTEP'2018,* Iasi 7-9 noiembrie 2018, pp. 335-342.

3. Rusu B., Tudose M.B., (2018), Student's perceptions on e-learning in a technical university according to their time spent navigating the internet and social media, în *The 17-th Romanian Textiles and Leather Conference" CORTEP'2018*, Iasi 7-9 noiembrie 2018, pp. 355-362.
4. Bogdan Rusu, (2013), *Student "Orientation" after Graduation: Job Market or Master Program?*, în International Conference of Management and Industrial Engineering, Management - Facing New Technological Challenges, pp. 314 – 323.
5. Bogdan Rusu, (2013), *Finding First Job after Graduation: Perceived Help Provided by the Faculty in Finding Employment*, în International Conference of Management and Industrial Engineering, Management - Facing New Technological Challenges, pp. 324 – 331.
6. Rusu Bogdan, Boier Rodica, (2012), Opportunity Recognition by Western vs. Eastern Entrepreneurs, în Proceedings of the 3rd Review of Management and Economic Engineering International Management Conference, An new Dilemma: between East and West, Technical University Cluj Napoca, Romania, 13-15 Sept 2012, Todesco Publishing House, ISSN 2247 – 8639, pp. 134-141
7. Boier R., Grozman E., Rusu B, (2012), Exploratory Research on the Opportunity to develop student's competence on augmented reality technology, în Proceedings of the 7th International Conference Quality Management in Higher Education: "E" Era & Higher Education, "Gh. Asachi" Technical University of Iasi, Romania, 16-17 Nov2012, Osterreichische Computer Gesellschaft, Druck: Druckerei Riegelnik, ISBN 978-3-85403-291-5, pp. 75-80.
8. Creţu Gh., Pruteanu O, Rusu, B, (2001), Studiul influenţei parametrilor regimului de aşchiere asupra puterii consumate la prelucrarea cu dispozitive de filetat în vârtej, în *Tehnologii moderne, calitate, restructurare*, Vol.1, Chişinău, Editura Universitatea Tehnică a Moldovei, pag 131-134
9. Creţu Gh., Bohosievici Cazimir, Rusu, B, (2001), Contribuţii privind modelarea matematică a proceselor cu ajutorul calculatorului, în *Tehnologii moderne, calitate, restructurare*, Vol.1, Chişinău, (2001), Editura Universitatea Tehnică a Moldovei, pag 127-130
10. Rusu, B, Creţu Gh., (2001), Managementul calităţii în IMM din România, în *Tehnologii moderne, calitate, restructurare*, Vol.5, Chişinău, (2001), Editura Universitatea Tehnică a Moldovei, pag 501-504
11. Rusu, B, Creţu Gh., (2001), Managementul calităţii pentru furnizori în IMM din România, în *Tehnologii moderne, calitate, restructurare*, Vol.5, Chişinău, Editura Universitatea Tehnică a Moldovei, pag 505-508.
12. O. Ciobanu, V Braha, Rusu, B, (1999), Studiu comparativ, teoretic şi experimental al tensiunilor din plăcile active ale matriţelor circulare, cu cavităţi pătrate, în *Tehnologii Moderne, Calitate, Restructurare,* Vol. 2, Chişinău, Ed. Tehnica-Info pag. 33-36.
13. O. Ciobanu, V Braha, Rusu, B, (1999), Contribuţii la determinarea tensiunilor din plăcile active ale matriţelor circulare, cu cavităţi pătrate, utilizând funcţia de densitate AIRY, în *Tehnologii Moderne, Calitate, Restructurare,* Vol. 2, Chişinău, (1999), Ed. Tehnica-Info pag. 29-32.
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17. Fearn G. şi Rusu, B, (1998), Quality Assurance based on Customer Needs: -Research on small clothing manufacturing firms in the UK, în volumul *Small Business & Enterprise Development Conference*, Leeds, Marea Britanie, martie 1998, p. 65-70

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I.3. Comunicări în alte publicaţii (volume ale sesiunilor ştiinţifice)

1. Rusu, B, (1997), Orientarea spre client în firmele româneşti, în volumul simpozionului *Orientări actuale în merceologie şi managementul calităţii, Vol. 1, (Comunicările prezentate la simpozionul "Învăţământ, şi cercetare în merceologie şi managementul calităţii")*, ASE Bucureşti, 21-22 noiembrie, pag. 204-210.
2. Rusu, B, (1997), Managementul schimbării pentru implementarea managementului calităţii totale, în volumul simpozionului *Învăţământ şi cercetare în merceologia şi managementul calităţii,* ASE Bucureşti, 21-22 noiembrie.
3. Rusu, B, (1995), Probleme actuale privind dezvoltarea carierei în firmele mari şi medii, în volumul conferinţei organizată de *UT Iaşi şi UAIC Iaşi în colaborare cu Camera de comerţ şi industrie*, Iaşi, p. 231-238.
4. Braha V., Rusu, B, (1995), Cercetări privind trasarea profilului membranelor gofrate, în Conferinţa Naţională de Tehnologii de Presare la Rece,Bucureşti.
5. R.M. Ciobanu, Rusu, B, (1991), Aspecte privind proiectarea celulelor de fabricaţie asistată de calculator, în volumul *Simpozionul internaţional de management,* Timişoara, 1991, p. 21-26.

J. Invenţii.
Nu Am

K. Contracte de cercetare

1. 2021-2024, proiect ERASMUS+Capacity Building, REILEAP, Reinforcing capacities of HEIs for leather and leather products in Uzbekistan-Kazakhstan, 618930-EPP-1-2020-1-EL-EPPKA2-CBHE-JP, manager proiect
2. 2023, Contract de cercetare 28047/27.07.2023, Identificarea și analiza factorilor care influențează nivelul de satisfacție al angajaților Mechatronics Innovation Center SRL, director de contract
3. 2023, Contract de cercetare 28042/27.07.2023, Cercetări privind dezvoltarea sustenabilă a ecosistemului din IMM pe baza evaluării gradului In care sunt satisfăcute cerințele consumatorilor, director de contract
4. 2020, proiect „ANTREPRENORING – Dezvoltarea culturii antreprenoriale a studenților de la inginerie și arhitectură prin crearea unei rețele de centre de pregătire în antreprenoriat", POCU 379/6/21/123975, responsabil pentru susținerea unor cursuri de predare cadre didactice/ studenți
5. 2018, Contract CNFIS - FDI nr. 0351/2018, Instrumente pentru susținerea cercetării de excelență la TUIASI, responsabil pentru sprijinirea activității de cercetare. prodecan de cercetare.
6. 2017-2020, Program ERASMUS+, KA2 – Strategic Partnership for Higher Education, Agreement nr. 2017-1-RO01-KA203-037289, TEXTRA, "Textile Strategy for Innovative Higher Education" membru in echipa de proiect
7. 2018, Contract POCU 82/3/7/106188 SMARTER, "Susținerea Mediului Antreprenorial din România prin Tactici Economice Regionale", trainer.

8. 2017, contract CNFIS-FDI-2017-0206, "Internațional la puterea t", responsabil activitate CDI/COR: 235104
9. 2017-2018, accord de grant nr. 89/SGU/NC/I, Romania Secondary Education Project – ROSE, trainer.
10. 2016-2018, proiect 2016-1-RO01- KA202-024498, acronim 'TexMatrix', „Knowledge Matrix for Innovation and Competitiveness in Textile Enterprises", cercetător/ trainer.
11. 2015-2018, proiect ERASMUS+, Knowledge 4Foot (K4F), "Knowledge Platform for Transferring Research and Innovation in Footwear Manufacturing", functia de cercetator/ trainer.
12. *2014-2016,* proiect *TECLO - Textile and Clothing Knowledge Alliance. Future textile and clothing managers for export, marketing, innovation, sustainability and entrepreneurship-oriented companies*, 554167-EPP-1-2014-1-IT-EPPKA2-KA, responsabil pentru dezvoltarea sondajului inițial și realizarea unor module MOOC.
13. *2014-15, POSDRU/125/5.1/S/134003/ „Inserție activa pe piața muncii prin Formare Profesională inovativă în domeniul ingineriei – FORMING", expert pe termen scurt responsabil cu formarea.*
14. *2014-15, POSDRU/125/5.1/S/133894/„Măsuri Active de Succes pentru Şomeri" (MASS), expert pe termen scurt responsabil cu formarea*
15. *2011 – 2013,* proiect proiectului POSDRU/86/1.2/S/61086, *Dezvoltare, inovare şi extinderea accesului la învăţare în programe de masterat în administrarea afacerilor*, membru responsabil pentru dezvoltarea cursului de Marketing Strategic
16. *2009 – 2011,* proiect POSDRU 2/1.2/S/2/, "Dezvoltarea unui sistem operațional al calificărilor din învățământul superior din Romania (DOCIS)", expert pe termen scurt, responsabil pentru dezvoltarea competenţelor longitudinale şi transversale pentru specializarea „Utilaje pentru Textile Pielărie", Domeniul de studii inginerie mecanică
17. *2007 – 2010,* proiect Leonardo, Project No: 134124-LLP-1-2007-RO-Leonardo-LMP, Agreement no 2007-3111/001-001 LE3-MULPRO, "Virtual Training Center for Shoe Design", membru responsabil cu o parte din cercetarea realizată în proiect (culegerea datelor, analiza rezultatelor, pregătirea rapoartelor).
18. *2007 – 2009*, proiect *PNII* Parteneriate nr *91-047/2007,* „Tehnici de evaluare comparativă a calificării universitare în România" coordonat de ASE Bucureşti, membru responsabil cu o parte din cercetarea realizată în proiect (culegerea datelor, analiza rezultatelor, pregătirea rapoartelor).
19. *2007 – 2008,* proiect MMFES OI- Nord-Est" Facilitarea ocupării persoanelor adulte din județul Iaşi,în şomaj de lungă durată, prin perfecționarea lor, urmărind dobândirea unor noi competenţe cerute pe piața muncii. "(FOPA, cod PHARE RO-2005/017-553.04.02.01.01.106), director de proiect – Virgil Botez, responsabil pentru modul „Planul de afaceri" în care persoanele din grupul ţintă (şomeri din judeţul Iaşi) au realizat un plan de afaceri viabil. Participare la discuţiile periodice organizate de proiect.
20. 2006 – 2008, contract nr. 106 CEEX II-03 INFOSOC/2006, *Cercetari exploratorii privind crearea interfeței consumator-produs de incaltaminte in vederea realizarii rapide a prototipurilor*, Autoritatea contractanta :Ministerul invatamantului si cercetarii-CNMP (Centrul National de Management al proiectelor), buget 1 482 600 RON . Parteneri: UTI-coordonator, Inst. Nat. de Cercetare dezvoltare Textile pielarie Bucuresti, Inst.Nat de Chimie Macromoleculara Petru Poni Iasi, Inst. National de Inventica Iasi, Univ. din Oradea, membru
21. 2005 – 2008, proiect CEEX ;Nr.proiect : 854/2005, Eficienţa învăţământului universitar în România în perspectiva dinamicii cerinţelor educaţional–formative, 70000 Ron , membru.
22. 2004-05, PROGRAM PHARE RO 2002/000-586.05.02.02.053. **„***Sistem de stimulare a ocupării forţei de muncă prin organizarea propriei afaceri (SOFM)"*, Coordonat de PROINF
23. 2003 – 04, Contract finanţat prin program PHARE 2000 – Coeziune Economică şi Socială, Linia bugetară Cod Perseus Ro 0007.01.01.02.0427 „*Formarea de resurse umane pentru structurile de afaceri inovativ-tehnologice"*.

24. 2003 – 04, Contract finanţat prin program PHARE 2000 – Coeziune Economică şi Socială, Linia bugetară Cod Perseus Ro 0007.02.01.02.0549 „*Dezvoltarea cunoştinţelor manageriale prin pregătire complexă în reţeaua de incubatoare tehnologice" (mai 2003 – aprilie 2004)*
25. 2001- 03, Contract finanţare 2408 / 15.10.2001 în cadrul programului CALIST - MCT „*Sistem pentru creşterea transferului de informaţii în cadrul întreprinderii şi facilitatea comunicării cu mediul exterior prin internet*", înregistrat la ASE Bucureşti 1113 / 10.10.2001.
26. 1999-01, Proiect TEMPUS IB_JEP 14208-1999, "*European Dimesnions of Quality Assurance*"
27. 1998-00, Contract Nr. 37/98, Tema 27, Cod CNCSU 471, Cod comisie CNCSU
    Cercetări teoretice şi experimentale privind creşterea calităţii pieselor în urma deformării plastice superficiale cu vârfuri sferice din diamant.
    Faza 2000: Stabilirea influenţei tipului de microrelief şi a parametrilor procesului de durificare plastică superficială cu vârfuri sferice de diamant asupra rezistenţei la uzare a pieselor.
    Faza 1999: Determinarea condiţiilor optime de desfăşurare a procesului de finisare prin netezire şi vibronetezire cu vârfuri sferice din diamant.
    Faza 1998: Analiza sistemică a procesului de netezire şi vibronetezire cu vârfuri sferice de diamant. Proiectarea şi realizarea dispozitivului de netezire şi vibronetezire cu vârfuri sferice de diamant.
28. 1999, Contract Nr. 5750/1999 cu S.C. MOD STAR S.A. Bucureşti. „*Cercetări privind elaborarea sistemului calităţii procesului de croire, în întreprinderile de confecţii mici şi mijlocii*".
29. 1997-99, Proiect TEMPUS CME – 03613 – 97, "*Quality assurance procedures for the Romanian technical higher education*" .
30. 1991-94, Contracte de cercetare în colectivul de cercetare 30901, Cercetări teoretice şi experimentale privind stabilirea tehnologiei optime de fabricaţie prin deformare plastică la rece a arcurilor spirale tip "fir de păr"
    Etapa I: Contract nr. 1565/2367/1991 cu tema: Documentare privind stagiul actual al cercetărilor
    Etapa II: Contract nr. 5002/7463 poz.19 / 1992 cu tema: Cercetări teoretice şi experimentale privind stabilirea tehnologiei optime de fabricaţie prin deformare plastică la rece a arcurilor spirale tip fir de păr.
    Etapa III: Contract 5002C/7463 poz. C19
    Etapa IV: Contract 587 – B94 / 1994 cu tema: Cercetări privind influenţa tratamentului termic de termo-fixare asupra caracteristicilor statice a arcurilor spirale plane tip "fir-de păr".

L. Premii, distincţii.

Nu am primit

M. Alte realizări semnificative

2024–25 Membru în echipa proiectului de cercetare "Hidden Champions in Rising Economies", coordonat de CEEMAN şi Herman Simon, responsabil pentru realizarea cercetării firmelor care fac parte din grupul „Campionilor Ascunşi" din România şi redactarea raportului pentru România. (în curs de apariție), capitolul Hidden Champions of Romania, DOI 10.1007/978-3-032-08263-3_33.

2018 Keynote Speaker și organizator al unui workshop "Design thinking workshop: Inspiring students' entrepreneurial learning through insight and prototyping" în cadrul conferinței "Join Forces—Tapping Youth Employability Opportunities" (Windhoek, Namibia 30 October 2018–2 November 2018). Sunt recunoscător doamnei Regina Krause de la Robert-Schmidt-Institute of Hochschule Wismar care în calitate de coordonator al proiectului DAAD "Voice of Business" (Project-10 57141556) a acoperit toate cheltuielile legate de evenimentul din Namibia. https://link.springer.com/chapter/10.1007/978-3-030-44711-3_30

2011–12 Membru în echipa proiectului de cercetare "Hidden Champions", coordonat de CEEMAN şi Herman Simon, responsabil pentru realizarea cercetării firmelor care fac parte din grupul „Campionilor Ascunşi" din România şi redactarea raportului pentru România..

2010–11 Director al Centrului de Educaţie şi Formare Continuă - CETEX – din cadrul Universităţii Tehnice „Gh. Asachi" din Iaşi, responsabil pentru programul de master „Managementul şi Administrarea Afacerilor – MBA" şi pentru activităţile de cercetare şi instruire care se desfăşurau în cadrul CETEX

2005 Absolvent al cursului IRCA numărul A17025 organizat de LRQA de auditor/auditor şef pentru Seria ISO 9000:2000, obţinând certificatul nr. 05/5569.

2003 Stadiu de perfecţionare de două săptămâni la programul MBA Româno – Canadian care se desfăşoară în cadrul ASE şi 8 săptămâni de formare cu profesorul Alain d'Astous în cadrul catedrei de Marketing al universităţii HEC din Montréal în vederea predării acestui modul la Bucureşti.

2001 Stadii de perfecţionare in cadrul proiectului TEMPUS IB_JEP 14208-1999, "European Dimesnions of Quality Assurance":

- 2 săptămâni la "Copenhagen Business School" din Danemarca. – Au fost vizitate două organizaţii. În firma „HARDI" managerul responsabil de asigurarea calităţii a prezentat câteva probleme practice ale implementării controlului statistic a producţiei şi integrarea acestora în sistemul de management al calităţii, iar în firmei „LEGO" vicepreşedintele diviziei de logistică a prezentat câteva proceduri de control utilizare de companie.
- 2 săptămâni la universitatea Tehnică din Chania Grecia – Au fost vizitate firma BIOXYM care produce sucuri naturale şi firma MILLS of Crete, o importantă întreprindere de panificaţie. Directorul executiv Anthony Giannakakis de la BIOXYM şi Stavros Vlachakis directorul cu calitatea la MILLS of Crete au prezentat preocupările organizaţiilor în domeniul asigurării calităţi, protecţiei consumatorilor şi utilizarea sistemului HACCP.

2000 Stadii de perfecţionare in cadrul unui proiectului TEMPUS IB_JEP 14208-1999, "European Dimesnions of Quality Assurance":

- 2 săptămâni la "Copenhagen Business School" din Danemarca - A fost intervievată directoarea responsabilă cu probleme de asigurare a calităţii la firma „Coloplast" fiind discutate probleme ale tranziţiei la noua serie de standarde ISO 9000:2000
- 2 săptămâni în universitatea "Erasmus" din Rotterdam. – A fost intervievat managerul responsabil de problemele de logistică ale firma „SHELL" care a prezentat modul în care compania s-a focalizat pe satisfacerea nevoilor clientului simultan cu reducerea costurilor.

1999 Stadii de perfecţionare de 2 săptămâni la universitatea din Chania Grecia in cadrul proiectului TEMPUS CME – 03613 – 97, "Quality assurance procedures for the Romanian technical higher education".

Diplomă de auditor intern acordată de TUV Rheinhland

1995-97 Student cercetător în Universitatea Derby, Marea Britanie, Facultatea de Management pentru analizarea legăturii dintre managementului calităţii şi satisfacţia consumatorului din firmele mici producătoare de confecţii din Marea Britanie. Între cursurile de instruire în metodologia cercetării la care a participat trebuie incluse cele de proiectarea chestionarelor, metode statistice şi metode de analiză cantitativă şi calitativă a datelor

1994-95 Titlul de MBA [Master of Business Administration], acordat de Universitatea din Derby, Marea Britanie. Între obiectele studiate sunt incluse managementul afacerilor (unde am realizat un plan de afaceri), analiză financiară, consultanţă managerială, managementul calităţii totale, managementul producţiei, managementul schimbării, managementul resurselor umane. Disertaţia analizează implicaţiile strategice a managementului calităţii în România şi Marea Britanie.

V - C. Consultanţă

1. 2004, Căi de creştere a productivităţii muncii la SC « SIRETUL PASCANI » SA ,contract de cercetare şi consultanţă, 10000 EUR, membru.
2. 2003, Contract număr 17527/20.11.2002, realizat între UT „Gh. Asachi" Iaşi şi S.C. Kober SRL, „*Căi de creştere a productivităţii muncii la SC KOBER SA"* PIATRA NEAMŢ, contract de cercetare şi consultanţă,10000 EUR, membru.

Data,

03.09.2025

Conf. dr. ing. Bogdan Rusu

* Conform H.G. 1175/ 2006

Anexa A.3.7 - Lista de lucrari, cadre didactice

Lista de lucrări în domeniul de studii universitare de licență Inginerie Energetică

Numele şi prenumele: Scarlatache Vlad Andrei

A. Teza de doctorat.
"**Contribuţii privind dezvoltarea de tehnologii intersectoriale bazate pe optimizarea pierderilor electromagnetice în materiale nanocompozite de tip polimer – pulberi electroactive**" , 2012, Universitatea Tehnică „Gheorghe Asachi", Facultatea de Inginerie Electrică, Energetică si informatică Aplicată, Domeniul Inginerie Electrică, Conducator de doctorat Prof.dr.ing. Romeo Cristian Ciobanu

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. A. Caprile, M. Coïsson, F. Fiorillo, P. Kabos, O. M. Manu, E. S. Olivetti, M. A. Olariu, M. Pasquale, **V.A. Scarlatache**, *Microwave behaviour of polymer bonded Iron oxide nanoparticles*, jurnalul IEEE Transactions on Magnetics Volume: 48, Issue: 11, cu factor de impact 1.626 .0ISSN: 0018-9464, pp. 3394 – 3397, DOI: 10.1109/TMAG.2012.2200462, 2012.
2. Fl. Scarlatache, Gh. Grigoras, **V.-A. Scarlatache**, B.-C-tin Neagu, and O. Ivanov. 2021. "A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems" Electronics 10, no. 22: 2864, ISSN: 2079-9292. https://doi.org/10.3390/electronics10222864, (IF: 2.397)

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. S. Ursache, A.V. Neamtu, **V.A. Scarlatache**, A. Pruteanu, *Smart materials for enviromental and energy efficiency uses – Dielectric and Emc Behaviour*, lucrare publicată în cadrul conferinţei The 9th WORLD ENERGY SYSTEM CONFERENCE WESC 2012 şi în Buletinul AGIR, nr. 2/2012, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN-L 1224-7928, ISSN online 2247-3548, pp. 775-780, 2012;
2. A. Pruteanu, **V.A. Scarlatache**, R.C. Ciobanu, G. Viziteu, *Thermal study of a superior lithium ion polymer battery*, lucrare publicată în cadrul conferinţei The 9th WORLD ENERGY SYSTEM CONFERENCE WESC 2012 şi în Buletinul AGIR, nr. 2/2012, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN-L 1224-7928, ISSN online 2247-3548, pp. 123-128, 2012.
3. **V.A. Scarlatache**, R.C. Ciobanu, M. Pasquale, A. Pruteanu, *Multi-walled carbon nanotube effect on dielectric properties of polymer matrices*, lucrarea publicată în cadrul simpozionului 4th International Symposium on Electrical Engineering and Energy Converters şi în Buletinul AGIR nr. 4/2011, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN - L 1224-7928, ISSN (online) 2247-3548, pp. 205-208, 2011;

4. S. Ursache, R.C. Ciobanu, **V.A. Scarlatache**, A. Niagu, *Dielectric and electromagnetic behavior of conductive nanocomposites polymers: PP/MWCNT investigations for EMI applications,* Advanced Engineering Forum Online: 2013-06-27, ISSN: 2234-991X, Vols. 8-9, pp 353-360, doi:10.4028/www.scientific.net/AEF.8-9.353

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. F. Scarlatache, G. Grigoraş, B. -C. Neagu, **V. A. Scarlatache** and N. Asavei A Comparative Study of Hybrid PV–Hydrogen and PV–Battery Storage Systems for Optimal Planning of Stand-Alone Microgrids, 12th International Conference on ENERGY and ENVIRONMENT (CIEM) 2025;
2. **V. -A. Scarlatache**, O. M. Andrei, F. Scarlatache, S. Aradoaei, T.A. Filip and M. P. Simion,, Modeling and Simulation of Regenerative Braking Systems Using MATLAB System Composer and Simulink, ,"*2025 International Conference on Electromechanical and Energy Systems (SIELMEN);*
3. F. Scarlatache, G. Grigoraş, **V. A. Scarlatache**, B. -C. Neagu and M. -A. Baciu, "Using Hybrid PV-Hydrogen Storage Systems in Optimal Planning of Microgrids," *2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi)*, Iasi, Romania, 2024, pp. 556-559, doi: 10.1109/EPEi63510.2024.10758028.
4. **V. -A. Scarlatache**, O. M. Andrei, F. Scarlatache, S. Aradoaei, R. Simionescu and M. P. Simion, "Analysis of Coil Characteristics Using Modern Measurement Techniques," *2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi)*, Iasi, Romania, 2024, pp. 595-598, doi: 10.1109/EPEi63510.2024.10758089.
5. A. M. Lucaci, **V. Scarlatache**, R. Ciobanu and D. N. Iordachescu, "Experimental Equipment for Anisotropic Nanoconductive Films Manufacturing," *2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi)*, Iasi, Romania, 2024, pp. 257-260, doi: 10.1109/EPEi63510.2024.10758151.
6. **V. -A. Scarlatache**, S. Aradoaei, M. A. Olariu, F. Scarlatache, T. A. Filip and R. Simionescu, "Electric Vehicle Architecture Modeling Based on MATLAB and SysML for Discrete and Continuous Simulation," *2023 International Conference on Electromechanical and Energy Systems (SIELMEN)*, Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290735.
7. F. Scarlatache, G. Grigoraş, **V. A. Scarlatache** and V. Dandea, "Digital Twin-based Decision-Making Methodology for the Optimal Operation of Microgrids," *2023 10th International Conference on Modern Power Systems (MPS)*, Cluj-Napoca, Romania, 2023, pp. 1-5, doi: 10.1109/MPS58874.2023.10187426.
8. T.A. Filip, I. Turcan, **V.A. Scarlatache,** A. Dragomir, M.A. Olariu, "Electric Field Numerical Modeling and Simulation of V-Shaped Interdigitated Microelectrodes", 8th International Conference on Engineering and Emerging Technologies, ICEET 2022, doi: 10.1109/ICEET56468.2022.10007144, 2022.
9. **V. A. Scarlatache,** Aradoaei S., Olariu M., Filip T.A., Scarlatache F., Gheorghian G., "*Continuous Improvement in Education Based on Deming Model in Worldwide Context*", 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959078, 2022.
10. **V.-A.Scarlatache,** Olariu M., Aradoaei S. and Filip T.A., "*An Overview on Nonvolatile Memories Used in Automotive Industry*," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 517-520, doi: 10.1109/SIELMEN53755.2021.9600442, 2021.
11. M. Olariu, **V.A. Scarlatache**, A. Niagu, S. Ursache, R.C. Ciobanu, The Influence of Frequency and Temperature upon Dielectric Behavior of Polypropylene reinforced with Multi-walled Carbon Nanotubes (MWCNTs), lucrarea publicată în cadrul conferinţei 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2012) şi indexată în baza de date IEEE Xplore Digital Library, ISSN : 1842-0133, E-ISBN : 978-1-4673-1652-1, Print ISBN: 978-1-4673-1650-7, DOI: 10.1109/OPTIM.2012.6231902, pp. 287 – 292, 2012.
12. **V.A. Scarlatache**, M. Olariu, S. Ursache, R.C. Ciobanu, M. Pasquale, *Magnetic and dielectric losses of a nanocomposites polymer matrix reinforced with ferromagnetic powders,* lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power

Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 125-128, 2012;

13. **V.A. Scarlatache**, A. Niagu, D. Matasaru, R.C. Ciobanu, B. Martorana, *Modification of dielectric properties, after barium titanate nanoparticles sintering, from a thermoplastic polymer matrix*, lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 94-99, 2012;
14. D. Matasaru, **V.A. Scarlatache**, A. Pruteanu, B. Florean, G. Viziteu, *Analysis of dielectric loss at high frequency, for a nanocomposite polymer matrix, based on polypropylene with insertion of Multi-walled Carbon Nanotubes (MWCNTs),* lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 116-119, 2012.
15. A. Niagu, **V.A. Scarlatache**, S. Ursache, G.M. Moraru, *An overview of smart conductive adhesive*, lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 88-93, 2012;
16. **V.A. Scarlatache**, M. Ursan, R.C. Ciobanu, *Dielectric Properties Characterization of Conductive Polymeric Materials at Temperature and Frequency Variation*, lucrarea publicată în cadrul conferinţei 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2010) şi indexată în baza de date IEEE Xplore Digital Library, ISSN : 1842-0133, Print ISBN: 978-1-4244-7019-8, DOI: 10.1109/OPTIM.2010.5510370, pp. 208 – 213, 2010.
17. S. Ursache, M. Aradoaei, A. Niagu, **V.A. Scarlatache**, *Electromagnetic Shielding- Numerical Aproach and Some Complementary Aplications for Increase the Energy Effiency of Buildings,* Proceedings of the 8th International Conference on Electromechanical and Power Systems - SIELMEN 2011, pp. 309-314, 2011.
18. **V.A. Scarlatache**, S.G. Flutur, M. Ursan, M. Olariu, D. Ciurea, *An overview of standardization in the field of electromagnetic compatibility for the railway industry*, EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 303-308, 2010;
19. A. Pruteanu, **V.A. Scarlatache**, G.A. Ursan, R. Rusei, *A brief overview on supercapacitors and theirs possible applications*, EPE 2010- 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp 367-370, 2010;
20. M. Ursan, G.A. Ursan, **V.A. Scarlatache**, R. Rusei, *Practical method for detecting defects in conductive materials,* EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 363-366, 2010;
21. S. Georgel Flutur, **V.A. Scarlatache**, A. Pruteanu, D. Ciurea, *Analysis of the electromagnetic field created by power stations rail,* EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 329-332, 2010;
22. M. Ursan, GA Ursan, **V.A. Scarlatache**, R.Ciobanu, *Non Destructive 3-D Investigation of Nanocomposites Materials*, 1-st IMEKO TC 19 International Symposium on Measurement and Instrumentation for Environmental Monitoring, IMEKO 2010, Kosice, Slovacia, 8-10 Septembrie, ISBN 978-80-553-0424-3, pp. 45, 2010;
23. **V.A. Scarlatache**, A. Pruteanu, R.C. Ciobanu, *Caracteristici dielectrice ale polimerilor nanoconductivi folosiţi in apllicaţii EMC*, Al II-lea Simpozion Ştiinţific Studenţesc Naţional - ELStudIS2010, ISBN: 978-606-13-0066-2, pp 173-177, 2010;
24. A. Pruteanu, **V.A. Scarlatache**, R.C. Ciobanu, *Consideraţii generale asupra supercondensatoarelor,* Al II-lea Simpozion Ştiinţific Studenţesc Naţional - ELStudIS2010, ISBN: 978-606-13-0066-2, pp 179-183, 2010;
25. A. Pruteanu, **V.A. Scarlatache**, R.C. Ciobanu, *Noţiuni teoretice şi utilizări ale supercondensatoarelor în domeniul electric*, Simpozionul Naţional de Electrotehnică Teoretică-SNET, ISSN 2067-4147 (online), 2010;

J. Invenţii.

K. Contracte de cercetare.

Director de proiect strat-up, numar P -38_820/2015, cu titlul CONSOLIDAREA CAPACITĂŢII SC PROSUPPORT CONSULTING SRL DE EXPLOATARE, INTRODUCERE ÎN PRODUCŢIE ŞI COMERCIALIZARE A UNUI PRODUS INOVATIV REZULTAT AL ACTIVITĂŢII DE CERCETARE-DEZVOLTARE.

L. Premii, distincţii.

M. Alte realizări semnificative.

Data, Nume, semnătura

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: Serea Elena

A. Teza de doctorat.

Utilizarea supercondensatoarelor ca sursă de energie în microrețele, 2014, Universitatea Tehnică Gheorghe Asachi din Iași, domeniul inginerie electrică, conducător științific prof. univ. dr.ing. Gheorghe Livinț.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Elena Serea, New approach on energy storage technologies based on supercapacitors, Lambert Academic Publishing, Germany, 2017. ISBN 978-3-659-45348-9
2. Elena Serea, Light pollution effects and solutions, Lambert Academic Publishing, Germany, 2023. ISBN 978-620-6-14361-1

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. Elena Dănilă, Adrian Adăscăliței. Tehnici informatice si de comunicații pentru administrarea afacerilor, ISBN 978-606-685-126-8, Ed.Performantica Iași, 2014.
2. Dorin Lucache, Georgel Paicu, Gabriel Chiriac, Elena Dănilă. Utilizari ale energiei electrice. Aplicatii 2014. ISBN 978-606-13-2036-3
3. Elena Serea, Dorin Dumitru Lucache. Managementul Iluminatului Public si Arhitectural. Aplicatii. 2025. ISBN 978-606-13-7503-5

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

-

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

1. Dorin Lucache, Adrian Bulgaru, Dan Ioachim, Elena Dănilă, On electro-dewatering a cellulosic sludge, Environmental Engineering and Management Journal, vol. 8, nr. 2, apr. 2009, ISSN 1582-9596 , pg.266-271. IF=0.9
2. Serea Elena, Penciuc, M.; Temneanu, M.C.; Donciu, C. Video Distance Measurement Technique Using Least Squares Based Sharpness Cost Function. Mathematics 2022, 10, 3273. IF=2.2
3. Donciu, C.; Serea Elena; Temneanu, M.C. Frequency Seismic Response for EEWS Testing on Uniaxial Shaking Table. Entropy 2023, 25, 655. IF = 2
4. Temneanu M.C, Donciu C., Serea Elena, Self-Contained Earthquake Early Warning System Based on Characteristic Period Computed in the Frequency Domain, Applied Sciences 2025, 15(16), 9026. IF = 2.5
5. Serea Elena; Donciu, C.; Temneanu, M.C. Modular System for High-Precision Irrigation with Nutrients Addition. Applied Sciences 2025, 15, 8819. IF = 2.5
6. Balan, G., Neninger, P., Ruiz Zúñiga, E., Serea Elena, Lucache, D. D., Sălceanu, A. A Perspective on Software-in-the-Loop and Hardware-in-the-Loop Within Digital Twin Frameworks for Automotive Lighting Systems. Applied Sciences, 2025, 15(15), 8445. IF = 2.5
7. Donciu Codrin, Temneanu Marinel, Serea Elena, PV Panels Fault Detection Video Method Based on Mini-Patterns. AppliedMath 2025, 5, 89. IF = 0.7

8. Donciu Codrin, Serea Elena, Temneanu Marinel, Frequency domain estimation method of the characteristic period of the P wave of earthquakes. Frontiers in Physics, 2025,13:1496451. IF = 2.1
9. Temneanu M.C, Donciu C., Serea Elena, Distance Measurement Between a Camera and a Human Subject Using Statistically Determined Interpupillary Distance. AppliedMath 2025, 5, 118. IF = 0.7
10. Donciu Codrin, Serea Elena, Temneanu Marinel, Residential Electricity Consumption Behaviors in Eastern Romania: A Non-Invasive Survey-Based Assessment of Consumer Patterns. Energies 2025, 18, 4883. IF=3.2
11. Serea Elena; Donciu, C.; Temneanu, M.C., Complexities of lighting measurement and calculation, Metrology 2025, 5(4), 61; IF = 1.5
12. Donciu Codrin, Temneanu Marinel, Serea Elena, Direct FFT oversampling without zero-padding, Scientific Reports 2025, 15:37269, IF=3.9

13. Elena Dănilă, Cătălin Damian, Dorin Dumitru Lucache, Energy management in a laboratory computer grid, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 (BDI: Index Copernicus International, ICV 2012 5,14), DOI: 10.13140/2.1.4087.8406.
14. Cătalin Damian, Cristian Zet, Elena Dănilă. Minimizing the FIR filter area used in a FPGA power computing instrument, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 (BDI: Index Copernicus International, ICV 2012 5,14).
15. Elena Dănilă, Dorin Lucache, Cost effectiveness of growing plant lighting system, Journal of Electrical Engineering, 2013, 13(4), pp. 224–229
16. Elena Dănilă, Dorin Dumitru Lucache, Autonomy improvement of data center backup sources with supercapacitors, Acta Electrotehnica Journal (BDI: VINITI), volume 54, no.5, 2013, ISSN 1841-3323, pg. 147-152. DOI: 10.13140/2.1.3825.6968.
17. Lucache D.D., Galatanu D.C., Dănilă Elena, Factors Involved in Choosing LEDs for General Lighting Applications: a Critical Review, Analele Universitatii din Craiova, Serie Inginerie electrica, Anul 39, nr.39, ISSN 1842-4805, pp. 138-143, 2015.
18. Elena Dănilă, Gheorghe Livinț, Electrical parameter estimation of supercapacitor with equivalent model, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 1, 2015, Secţia Electrotehnică. Energetică. Electronică, pg. 27-36
19. Elena Dănilă, Dorin Dumitru Lucache, PV power source estimation for a custom-designed growing-plant lighting system, Acta Electrotehnica, Proccedings of 6th International Conference on Modern Power Systems 2015, pg. 77-82
20. Serea Elena, Roco Nelca. Particularities in the Design of Underwater Lighting Systems. Journal of Civil Engineering and Architecture 16 (2022): 420-424.
21. Serea Elena, Donciu Codrin. Eye safety awareness and visual impairment prevention for computer users. Journal of Clinical Research Ophthalmology 2022, 9(2): 022-024. DOI: 10.17352/2455-1414.000099
22. Serea Elena, Penciuc Mihai, Temneanu Marinel, Donciu Codrin, Video distance measurement method based on three focus positions, 2022, Buletinul Institutului Politehnic din Iași, vol.68 (72), No.1, pp.9-16, DOI 10.2478/bipie-2022-0001.
23. Serea Elena, Donciu Codrin. Shaking Table Design for Testing Earthquake Early Warning Systems. Designs 7.3 (2023): 72.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

1. Livinţ, G., Lucache, D. D., Dănilă, Elena. On controlling the magnetic suspension of a flywheel system, Rev. Meridian Ingineresc. 2010, nr. 4, pp. 26-30. ISSN 1683-853X.
2. Elena Serea, How artificial lighting can became a health issue, Academia Letters august 2021, DOI: 10.20935/AL2825.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

-

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. Dorin Lucache, Adrian Bulgaru, Dan Ioachim, Dănilă Elena, Management of the sludge wastes in the pulp and paper industry. The 6th International Conference On Management Of Technological Changes, Greece 2009, ISBN (vol.2) 978-960-89832-8-1, pg.113-116.
2. Elena Dănilă, Dorin Lucache, Cătălin Damian, Risks in change management of engineering higher education, 6th International Seminar on Quality Management in Higher Education 2010 ISI Proceedings, pg.51-55, ISBN: 978-973-662-568-8.
3. Elena Dănilă, Dorin Lucache, Dan Ioachim, Improving quality of learning during practical laborators by using preformed (standard) reports" - 6th International Seminar on Quality Management in Higher Education 2010 ISI Proceedings, pg.407-411, ISBN: 978-973-662-568-8.

4. Elena Dănilă, Rachid Outbib, Dorin Dumitru Lucache Supercapacitors and risk reduction in energy supply, 6th International Conference on Electrical and Power Engineering Iaşi 2010, ISBN vol.II : 978-606-13-0078-5, pg.95-98
5. Elena Dănilă, Dorin Dumitru Lucache, Gheorghe Livinț, Models and modelling supercapacitors for a defined application, 8th international conference on electromechanical and power systems, Annals of the University of Craiova, Electrical Engineering series, No. 35, 2011; ISSN 1842-4805, pg.200-205.
6. Rakotomalala L.F.F, Randriamanantany Z.A, Dorin Dumitru Lucache, Elena Dănilă, Energetic aspects of the HID ballast used in the outdoor lighting, International Conference and Exposition on Electrical and Power Engineering, 2012, pg. 340-346, ISBN 978-1-4673-1173-1.
7. Elena Dănilă, Dorin Lucache, Run-time optimization of hybrid energy source from an UPS back-upping critical consumer, 14th International Conference on Optimization of Electrical and Electronic Equipment 2014, IEEE Explore și ISI Proceedings, pg.661-666, ISBN 978-1-4799-5183-3. DOI: 10.1109/OPTIM.2014.6850942.
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9. Elena Dănilă, Daniel Sticea, Gheorghe Livinț, Dorin Dumitru Lucache, Hybrid backup power source behaviour in a microgrid, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, pg. 637-641, ISSN 978-1-4799-5848-1, IEEE Explore DOI: 10.1109/ICEPE.2014.6969987
10. Elena Dănilă, Gheorghe Livint, Dorin Dumitru Lucache. Dynamic modelling of supercapacitor using artificial neural network technique. 2014 International Conference and Exposition on Electrical and Power Engineering. IEEE, 2014.
11. Elena Dănilă, Dorin Dumitru Lucache, Efficient Lighting System for Greenhouses, International Conference and Exposition on Electrical and Power Engineering 2016, 978-1-5090-6129-7/16.
12. Rakotomalala Lovasoa, Randriamanantany Zely, Dorin Dumitru Lucache, Elena Dănilă, Lens impact investigation on photometric parameters of some LED luminaires for exterior lighting, 2016 International Conference on Applied and Theoretical Electricity (ICATE), DOI: 10.1109/ICATE.2016.7754677.
13. Yosef Elia; Dorin Dumitru Lucache; Elena Serea, Battery Energy Storage Applications: Two Case Studies, 2019 8th International Conference on Modern Power Systems (MPS), DOI: 10.1109/MPS.2019.8759797.
14. Elena Serea, D. D. Lucache, Consequences of Inappropriate Use of Architectural Lighting, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 016-021.
15. George Balan, Serea Elena, Dorin Dumitru Lucache, Critical Issues in the Design and Operation of Electrical Installations in Hospitals, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 503-510, doi: 10.1109/SIELMEN53755.2021.9600413.
16. Elena Serea, M. C. Temneanu, C. Donciu, M. Berdan, Influence of Household Tools in Regional Configuration of Earthquake Early Warning Systems, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 376-381, doi: 10.1109/EPE56121.2022.9959812.
17. Elena Serea, M. C. Temneanu, C. Donciu, G. Roșu, Video Method for Estimating the Apparel Worn Size, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 364-367, doi: 10.1109/EPE56121.2022.9959746.
18. Elena Serea, M. C. Temneanu,,C. Donciu, Opto-Guard: Non-invasive System of Continuous User Assurance of Keeping the Optimal Distance of the Eyes from the Computer Screen, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 1-5, doi: 10.1109/EPE56121.2022.9975793.
19. D. D. Lucache, Y. Elia, Elena Serea, C. D. Gălățanu, Grid support by BESS. Benefits for a Solar Thermal Plant, 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-7, doi: 10.1109/MPS58874.2023.10187444.
20. Balan, G., Serea Elena, Andriniriniaimalaza, F. P., Lucache, D. D., Sălceanu, A., Nenninger, P. Digital Twin Approach for Headlamps Testing and Control. In 2025 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2025 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) (pp. 1-7). IEEE.
21. Balan, G., Serea Elena, A Cost-Effective Continous Thermal Monitoring Solution for Electrical Panels Using Thermocouples, 2025 International Conference on Electromechanical and Energy Systems (SIELMEN),

22. Elena Dănilă, Dorin Lucache, Dan Ioachim. Efficiency of some growing light systems for tomatoes. Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 – Iasi, Romania, Vol.II, pp. II-376 – 379, ISBN vol. II 978-606-520-623-6, DOI: 10.13140/2.1.3661.8562.
23. Elena Dănilă, Gabriel Chiriac, Daniel Sticea. Supercapacitors to future storage devices. Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 380 –383, ISBN vol II, 978-606-520-623-6.

24. Gabriel Chiriac, Daniel Sticea, Gheorghe Livinţ, Dorin Lucache, Elena Dănilă. Tendencies in electric and hybrid electric vehicles batteries, 7th international conference on electromechanical and power systems SIELMEN, Editura PIM, 2009, vol. II, pp. 181-186, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania.
25. Elena Dănilă, Dorin Lucache. History of the first energy storage systems", IEEI 2010, 3rd International Symposium on the History of Electrical Engineering and of Tertiary-level Engineering Education, ISBN: 978-606-13-0052-5, pg. 9-10, DOI: 10.13140/2.1.1564.7040.
26. Dorin Dumitru Lucache, Cătălin Daniel Gălățanu, Elena Dănilă. Critical Analysis of Investment in LEDs for General Lighting Applications, Proceedings of the 10th International Conference on Electromechanical and Power Systems, 2015, ISBN 978-606-567-284-0, pg.74-77.
27. Dorin Dumitru Lucache, Yosef Elia, Catalin Daniel Gălăţanu, Elena Dănilă, Outlook on connecting BESS to a Solar Thermal Plant, June 2022, Conference: Alternative Energy Sources, Materials and Technologies At: Veliko Tarnovo, Bulgaria.

J. Invenţii.

-

K. Contracte de cercetare.

1. Sistem de control si monitorizare în timp real a irigațiilor, pentru optimizarea consumurilor de energie și apă, cod SMIS 338187, PR/NE/2024/P1/RSO1.1_RSO1.3/1
2. Opto-Guard, GI / MedTech_5 /2022, CNFIS-FDI-2022-0460

L. Premii, distincţii.

M. Alte realizări semnificative.

Data, Nume, semnătura

28.10.2025 SEREA Elena

* Conform H.G. 1175/ 2006



Anexa A.3.7 - Lista de lucrări cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**
Domeniul de licență: **INGINERIE ELECTRICĂ**
Programul de studii de licență: **ELECTRONICĂ DE PUTERE ȘI ACȚIONĂRI ELECTRICE**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **STANCIU TUDOR**

A. Teza de doctorat.
Titlul tezei: Contribuţii la creşterea competitivităţii în domeniul învăţământului ingineresc
Instituţie: Universitatea Tehnică "Gheorghe Asachi" din Iași
Anul susţinerii tezei de doctorat: 2006

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Stanciu T., Nițucă C., (2006), Didactics of technical subjects, Ed. TEHNICA-INFO, Chișinău, ISBN 978-9975-910-13-2, (312 pg).

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

1. Stanciu T., Tofan C.M., (2023), Învățarea Continuă. Tendințe actuale și viitoare în educație și societate (TAVES), Ed. Universității „Alexandru Ioan Cuza", Iași, ISBN 978-606-714-796-4, (342 pg).
2. Stanciu T., (2023), Viitorul Educației Inginerești, Ed. Universității „Alexandru Ioan Cuza", Iași, ISBN 978-606-714-796-4.
3. Tofan C.M., Stanciu T., (2023), Relevanța diferențelor de gen în procesul de predare învățare, Ed. Universității „Alexandru Ioan Cuza", Iași, ISBN 978-606-714-796-4.
4. Gouveia J., Stanciu T., (2023), Exploatarea resurselor IT în educație, Ed. Universității „Alexandru Ioan Cuza", Iași, ISBN 978-606-714-796-4.
5. Tiron E., Stanciu T., (2019), Teoria și Metodologia Instruirii. Teoria și Metodologia Evaluării, Ed. Didactică și Pedagogică, București (280 pg).
6. Stanciu Tudor (2021)- Methodology of Project Management Development and Organization of International Projects. A practical guide with study cases in education, Domeniu: Filosofie şi Ştiinţe sociale / Educaţie, Colecţie: Ştiinţele Educaţiei, ISBN: 978-606-714-603-5, Nr. pagini: 204, Editura Universitatii A.I.Cuza din Iași.
7. Stanciu Tudor, Dezvoltarea gândirii critice la studenți pentru evaluarea mesajelor False, capitol in cartea FENOMENUL FAKE NEWS. Mecanisme psihologice și sociale, autori: Cristina Maria Bostan, Alexandra Maftei (coord.), 300pg, într-un tiraj de 1000 exemplare, la Editura INSTITUTUL EUROPEAN, 2021.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

1. Stanciu T., Tiron E., Poede G., (2016), Tendințe actuale și viitoare în educație și societate – Vocea tinerei generații (TAVES 2015), Ed. PIM, Iași, ISBN 978-606-13-3541-1.
2. Stanciu T., (2018), Lucrările simpozionului „Tendințe actuale și viitoare în educație și societate (TAVES)-Vocea tinerei generații", Vol.I, 2017, Ediția I, Iași, ISSN 2601–3010.
3. Suport curs sesiuni de formare: Nediscriminarea – egalitate de şanse în carieră ROSE AG-329, Școala de vară pentru elevi „Vreau să fiu student", MECSTUD, 2022, 28 luni, 80 000 eur, director de grant IANUŞ GELU, categorie de grant SGCU-PV sesiuni de formare: Nediscriminarea – egalitate de şanse în carieră.

4. Suport curs „Meseriile viitorului” si elaborare proiect, Open Days- Ziua Portilor permanent Deschise la TUIASI, CNFIS_FDI_2023_ 0028.
5. Elaborare proiect si suport curs „Prevenirea si reducerea abandonului scolar la TUIASI” (STOP_ABANDON@TUIASI 2023).
6. Suport curs „Succesul personal”- “Bariere Ridicate Acum pentru Viitorul Elevilor la CMMI – BRAVE” organizat de Facultatea de Construcții de Mașini și Management Industrial, în cadrul Proiectului privind Învățământul Secundar (ROSE), Schema de Granturi Competitive pentru Universități - SGCU-PV, proiect AG324, 2024.
7. Elaborare material INGENIUM: module “Become an ambassador for disability. Introduction and history of deaf people and deaf education in Romania, 2023”.
8. Elaborare suport curs „Profesiile viitorului”, organizate la Colegiul Național „ Ștefan cel Mare ” din Târgu Neamț în data de 24 mai 2024 in proiectul CNFIS-FDI-2024-F-0116 cu titlul „TUIASI Universitate incluzivă”, domeniul 8.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
1. Tudor Stanciu- Teoria si Metodologia instruirii. Teoria si metodologia evaluarii, manual adaptat in format electronic dppd.tuiasi.ro .
2. Tudor Stanciu, Costica Nituca – Caiet de practica pedagogica desfasurata, 2022, https://dppd.tuiasi.ro/wp-content/uploads/ , (Ed. CNCS).
3. Stanciu Tudor (2024)- Analfabetism functional, metacognitie si competenta pedagogica, in cartea Paradigma constiintei ISBN 978-606-714-848-0, Ed. Univ. Cuza, Iasi, 2024.(10 autori, 250 pag)

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.
1. Tudor Stanciu, VALY ILIEŞ, (2020), “A Pedagogical Approach to Traditional Chinese Medicine”, Universitatea tehnică „Gh. Asachi” din Iaşi, Buletinul Institutului Politehnic , Volumul 66 (70),Nr.1-2, sectia Ştiinţe Socio-Umane,Editura POLITEHNIUM, Iaşi, România, p.43 (CEEOL).
2. Tudor Stanciu, C. Nituca, Chiriac G., Plesca A.,(2018)“Coherence and Continuity in the Continuing Education of Electrical and Energetic Field Teachers from the Pre-University Environment”, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/ICEPE.2018.8559926.
3. Stanciu T., (2018), Factori care influenţează performanţa în educaţie (engl.,rez. rom.), Buletinul Institutului Politehnic din Iasi, Volumul 64 (68), Numărul 3-4, pg 27-32., http://www12.tuiasi.ro/users/58/SOCIO%20UMANE%203-4%20pe%202018.pdf.
4. Stanciu, T. et al., (2014), "Success Elements Analysis of International Engineering and Educational Projects", Applied Mechanics and Materials, Vol. 659, pp. 611-616, 2014 Applied Mechanics and Materials (Volume 659), 10.4028/www.scientific.net/AMM.659.611, ISSN: 1662-7482, SCImago Journal & Country Rank (SJR) www.scimagojr.com.,Inspec (IET, Institution of Engineering Technology) www.theiet.org.,Chemical Abstracts Service (CAS) www.cas.org., Google Scholar scholar.google.com., NASA Astrophysics Data System (ADS) http://www.adsabs.harvard.edu/., Cambridge Scientific Abstracts (CSA) www.csa.com., ProQuest www.proquest.com., Ulrichsweb www.proquest.com/products-services/Ulrichsweb.html., EBSCOhost Research Databases www.ebscohost.com/., CiteSeerX citeseerx.ist.psu.edu., Zetoc zetoc.jisc.ac.uk., Index Copernicus Journals Master List www.indexcopernicus.com., WorldCat (OCLC) www.worldcat.org.
5. Jicmon, A.C., Stanciu, T., (2016), Communication Tools in Adult Education Policies, la Conferinţa Internaţională Discourse and communicative interaction, ISBN 978-973-621-455-4 publicată in volumul cu acelaşi nume de la Editura Politehnium,, Iaşi, pag.352-358, Baze de date,

www.worldcat.comhttp://old.uefiscdi.ro/userfiles/file/CENAPOSS/Edituri_arhiva_2010.pdf ; http://www.tuiasi.ro/publicatii/politehnium/
6. Sjolin, J., Stanciu, T., (2016), Communication & Cultural Influence in Education:Business In Terms of a Multinational Approach, la Conferinţa Internaţională Discourse and communicative interaction, ISBN 978-973-621-455-4 publicată in volumul cu acelaşi nume de la Editura Politehnium,, Iaşi, pag.582-590, Baze de date, www.worldcat.com, http://old.uefiscdi.ro/userfiles/file/CENAPOSS/Edituri_arhiva_2010.pdf http://www.tuiasi.ro/publicatii/politehnium/
7. Stanciu T., Baula M., Lupu A.M., Salihu M., Siegenthaler O., Zadovei E.P., (2016), Compararea curriculei la geometrie pentru copii cu vârste de 8 şi 10 ani între România şi Elveţia franceză, Universitatea tehnică „Gh. Asachi" din Iaşi, Buletinul Institutului Politehnic , Volumul 62 (66),Nr.4, sectia Ştiinţe Socio-Umane, Editura Politehnium, Iaşi, România, p.51 (CEEOL)
8. Gouveia J., Stanciu T., Sjolin J., Policy of knowledge management in universities. From theory to practice, Scientific Papers. Series D. Animal Science, Vol. LV, ISSN 2285-5750, ISSN CD-ROM 2285-5769, ISSN-L 2285-5750, ISSN Online: 2393 – 2260, http://animalsciencejournal.usamv.ro/index.php/scientific-papers/108-a31, INDEX COPERNICUS, CABI, DOAJ, ULRICH'S PERIODICALS DIRECTORY, OCLC (WorldCat), SCIPIO, PBN (Polish Scholarly Bibliography).
9. J. Sjolin and T. Stanciu,(2014), "Cultural Influence in Engineering Education, Business and Economics in Terms of Multinational Approach", Applied Mechanics and Materials, Vol. 659, pp. 607-610, 2014, 10.4028/www.scientific.net/AMM.659.607 ISSN: 1662-7482, SCImago Journal & Country Rank (SJR) www.scimagojr.com.,Inspec (IET, Institution of Engineering Technology) www.theiet.org.,Chemical Abstracts Service (CAS) www.cas.org., Google Scholar scholar.google.com., NASA Astrophysics Data System (ADS) http://www.adsabs.harvard.edu/., Cambridge Scientific Abstracts (CSA) www.csa.com., ProQuest www.proquest.com., Ulrichsweb www.proquest.com/products-services/Ulrichsweb.html., EBSCOhost Research Databases www.ebscohost.com/., CiteSeerX citeseerx.ist.psu.edu., Zetoc zetoc.jisc.ac.uk., Index Copernicus Journals Master List www.indexcopernicus.com., WorldCat (OCLC) www.worldcat.org.
10. CM BOSTAN-TOFAN, AC APOSTOL, RL ANDRONIC, T STANCIU, LUPU Adrian. THE PREDICTIVE ROLE OF ACADEMIC IDENTIFICATION AND TRAIT ANXIETY FOR EARLY ACADEMIC DROPOUT INTENTIONS, Scientific Annals of the "Alexandru Ioan Cuza" University, Iaşi. New Series, 2023, SOCIOLOGY AND SOCIAL WORK Section, Volume 16, Issue 2.
11. Cristina Maria Bostan , Alexandru-Cosmin Apostol , Răzvan-Lucian Andronic , Tudor Stanciu, Ticu Constantin / Type of goals and perceived control for goal achievement over time. The mediating role of motivational persistence (https://doi.org/10.1016/j.actpsy.2022.103776; Acta Psychologica/Volume 231, November 2022, 103776; ISSN 0001-6918). Factor de impact: 1.2.
12. Bostan, Cristina Maria; Stanciu, Tudor; Andronic Răzvan-Lucian (2021), The Moderation Role of Being Valued by Teachers over the Association Between School Children Motivation and Need for Competition (Sage Open, ID: SO-20-2755.R1. https://journals.sagepub.com/home/sgo ISSN: 2158-2440, Online ISSN: 2158-2440. Sage Open indexat in Scopus si the Social Science Citation Index, DOAJ and ERIC. Factor de impact: 2.2.
13. Cristina Maria Bostan, Ticu Constantin, Tina Vrabie, Tudor Stanciu , Răzvan-Lucian Andronic, "Supporting Motivational Persistence in the Personality System in Early Academic Stages through Educational Strategies", articol in Revista Romaneasca pentru Educatie Multidimensionala, June 2021 issue (2021, Volume 13, Issue 2, pages: 223-242|), LUMEN Publishing House, Iasi, Romania & LUMEN Media Ltd, United Kingdom, https://lumenpublishing.com/ p-ISSN: 2066-7329 | e-ISSN: 2067-9270 | DOI:

10.18662/rrem, Web of Science (WOS); EBSCO; Google Scholar; ICI Journals Master List - Index Copernicus; Ideas RePeC; Econpapers; Socionet; CEEOL; Ulrich ProQuest; Cabell, Journalseek; Scipio; Philpapers; SHERPA/RoMEO repositories; KVK; WorldCat; CrossRef; J-GATE. Revista Romaneasca pentru Educatie Multidimensionala is indexed in the ICI Journals Master List database for 2019 | ICV 2019 = 83.83 (https://lumenpublishing.com/journals/index.php/rrem/article/view/3690); Factor de impact: 0.70.

14. TUDOR STANCIU, MIHAELA COJAN and BOGDAN ISTRATE, Factors That Influence an Inclusive Environment in Higher Education), nr. 3-4/2024, vol. 70 (74) din Buletinul Institutului Politehnic din Iași, secția Științe Socio-umane, la adresa https://dppd.tuiasi.ro/wp-content/uploads/2025/02/Vol.-SSU-3-4-din-2024.pdf. indexat în CEEOL https://www.ceeol.com/search/journal-detail?id=1505.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

1. Stanciu, T. et al., (2014), "Success Elements Analysis of International Engineering and Educational Projects", Applied Mechanics and Materials, Vol. 659, pp. 611-616, 2014 Applied Mechanics and Materials (Volume 659), 10.4028/www.scientific.net/AMM.659.611, ISSN: 1662-7482, SCImago Journal & Country Rank (SJR) www.scimagojr.com.,Inspec (IET, Institution of Engineering Technology) www.theiet.org.,Chemical Abstracts Service (CAS) www.cas.org., Google Scholar scholar.google.com., NASA Astrophysics Data System (ADS) http://www.adsabs.harvard.edu/., Cambridge Scientific Abstracts (CSA) www.csa.com., ProQuest www.proquest.com., Ulrichsweb www.proquest.com/products-services/Ulrichsweb.html., EBSCOhost Research Databases www.ebscohost.com/., CiteSeerX citeseerx.ist.psu.edu., Zetoc zetoc.jisc.ac.uk., Index Copernicus Journals Master List www.indexcopernicus.com., WorldCat (OCLC) www.worldcat.org.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. Stanciu T., (2018), Factori care influenţează performanţa în educaţie (engl.,rez. rom.), Buletinul Institutului Politehnic din Iasi, Volumul 64 (68), Numărul 3-4, pg 27-32., http://www12.tuiasi.ro/users/58/SOCIO%20UMANE%203-4%20pe%202018.pdf.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. Tudor Stanciu, VALY ILIEŞ, (2020), “A Pedagogical Approach to Traditional Chinese Medicine”, Universitatea tehnică „Gh. Asachi” din Iaşi, Buletinul Institutului Politehnic , Volumul 66 (70),Nr.1-2, sectia Ştiinţe Socio-Umane,Editura POLITEHNIUM, Iaşi, România, p.43 (CEEOL).
2. Tudor Stanciu, C. Nituca, Chiriac G., Plesca A.,(2018)“Coherence and Continuity in the Continuing Education of Electrical and Energetic Field Teachers from the Pre-University Environment”, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/ICEPE.2018.8559926.
3. Stanciu T. (2023), Effect of religious beliefs on motivation for learning. A scoping review, în volumul conferinței Themes and Fundamental Ideas in the Field of Psychology and Educational Sciences, Iași, 2023.
4. Stanciu T. (2023), Metodologie educațională pentru învățare automată și calcul neural, în volumul Simpozionul Științific Național Paradigma conștiinței - abordări multi și interdisciplinare, Ediția a V-a: Spiritualitate și / sau inteligență artificială, Iași, decembrie 2023.

J. Invenţii.

K. Contracte de cercetare/granturi.

1. ROSE AG-329, Şcoala de vară pentru elevi „Vreau să fiu student”, MECSTUD, 2020 - 2024, 28 luni, director de grant IANUȘ GELU, categorie de grant SGCU-PV sesiuni de formare: Nediscriminarea – egalitate de şanse în carieră Valoare grant 914617 Lei, in 2024: 182.923 lei.
2. “Bariere Ridicate Acum pentru Viitorul Elevilor la CMMI – BRAVE, 2020-2024” organizat de Facultatea de Construcții de Mașini și Management Industrial, în cadrul Proiectului privind Învățământul Secundar (ROSE), Schema de Granturi Competitive pentru Universități - SGCU-PV, proiect AG324. Valoarea bugetului /2024 este de 287352,38 RON lei in 2024.
3. CNFIS-FDI-2024-F-0036 cu titlul “Dezvoltare instituțională pentru consolidarea angajabilitatii absolvenților TUIASI– TechGo3”, domeniul 7, 265000 lei in 2024.
4. CNFIS-FDI-2024-F-0116 cu titlul „TUIASI Universitate incluzivă”, domeniul 8; 226413,33 lei.
5. CNFIS-FDI-2024-F-0490 cu titlul „include@TUIASI-Echitate în educație și incluziune socială în comunitatea TUIASI” 400000 lei.

L. Premii, distincţii.

M. Alte realizări semnificative.

1. Director al Centrului de Consiliere și Orientare în Carieră TUIASI.
2. Membru în societăţi ştiinţifice şi profesionale:
   - Eurosteps- Director cercetare;
   - Asociatia pentru Psihiatrie, Educatie si Consiliere.
3. Membru în colective de redacţie ale revistelor:
   - membru stiintific la Revista SABER & EDUCAR, Centro de Investigação Paula Frassinetti, Portugalia, http://www.esepf.pt/rev/?p=estats_en.html;
   - redactor sef adjunct al Revistei de Educatie Tehnologica (Ed. Performantica, Iasi);
   - membru stiintific.
4. Membru în comitete științifice naționale/ internaţionale la conferinţe:
   -The Paradigm of Consciousness – Multi- and Interdisciplinary Approaches, 6th Edition – Contextualizing Mental Health: the Relationship between Individual, Society, Conscience/Consciousness, https://acadiasi.org/event/paradigma-constiintei-abordari-multi-si-interdisciplinare-editia-a-vi-a-contextualizarea-sanatatii-mintale-relatia-individ-societate-constienta-constiinta/ decembrie 12, 2024 - decembrie 13, 2024.
5. Organizator de manifestări ştiinţifice naţionale / internaţionale:
   - membru in comitetul de organizare: The Paradigm of Consciousness – Multi- and Interdisciplinary Approaches, 6th Edition – Contextualizing Mental Health: the Relationship between Individual, Society, Conscience/Consciousness, https://acadiasi.org/event/paradigma-constiintei-abordari-multi-si-interdisciplinare-editia-a-vi-a-contextualizarea-sanatatii-mintale-relatia-individ-societate-constienta-constiinta/ decembrie 12, 2024 - decembrie 13, 2024.
6. Referent stiintific, la Revista SABER & EDUCAR, Centro de Investigação Paula Frassinetti, Portugalia, http://www.esepf.pt/rev/?p=estats_en.html, revista BDI.
7. Conducere cercuri ştiinţifice studenţeşti: simpozion stiintific TAVES 2024 (26 mai 2024).
8. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității:
   - Prezentarea universitatii, la CC TUIASI Counseling Center, 2023.
   - „IUF - International University Fair - Romania”, în Palas Mall Iași. (Peste 200 de elevi au vizitat standul Universității, beneficiind de servicii de orientare vocațională oferite de de Centrul de Consiliere TUIASI.).
   - 29 și 30 mai 2024,”Edu Tech Fest”, un eveniment organizat de compania Quartz Matrix în parteneriat cu Universitatea Tehnică ”Gheorghe Asachi” din Iaşi adresat tinerilor, unde peste 200 elevi de liceu au aflat informații despre ofertele educaționale ale TUIASI.

- „Profesiile viitorului”, organizat la Colegiul Național „ Ștefan cel Mare ” din Târgu Neamț în data de 24 mai 2024.
- webinarul “Unde îți cauți primul job?” la care au participat 5 angajatori de interes pentru studenții cu dizabilități sau provenind din medii dezavantajate și peste 100 de studenți TUIASI.
- “TUIASI Universitate Incluzivă” la care au participat studenți TUIASI, elevi ai Liceului Tehnologic special “Vasile Pavelcu” și reprezentanți ai AGLT Iași.
- 11-12 mai 2024 - Interact Iasi, Meet Your Future, prezentare pentru toate liceele din Iasi, organizata la Universitatea de Medicina Gr Popa, Iasi, in data de 11 mai si cu vizitarea universitatii in data de 12 mai 2024.

Data,
Octombrie 2025

Semnătura,
STANCIU Tudor

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Candidat: **TĂRNICERIU T. Carmen-Oana - Dr**. Din 2008**, conferenţiar** din 2021

1º Teza de doctorat

T1. *Controlul dinamicii populaţiei/ Control of population dynamics* , susţinută public la data de 03.08.2008 la Universitatea Alexandru Ioan Cuza din Iași, în domeniul Matematică, sub îndrumarea ştiinţifică a prof. univ.dr. Sebastian Aniţa

2º Cărţi/ cursuri/ manuale publicate în edituri recunoscute din ţară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcţionale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum şi alte lucrări (M1, M2 etc.) prin care se aduc *contribuţii la dezvoltarea activităţilor didactice/ profesionale.*

Ca	**Carte/ curs/ manual publicată în editură recunoscută CNCS (unic autor)**	**Punctaj**
	Ca1. **C.O. Tărniceriu,** *Algebră Liniară și Geometrie Analitică și Diferențială,* Editura Performantica, ISBN 978-606-685-753-6, Iaşi, 2020	**8,6**
I	**Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)**	
	I1 Matematici Speciale, îndrumar disponibil pe Web la adresa Oana Tarniceriu's Homepage	**3,76**
	I2 Analiză numerică asistată de calculator , îndrumar disponibil pe Web la adresa Oana Tarniceriu's Homepage	**3,56**
	I3 *Algebră Liniară și Geometrie Analitică și Diferențială*, îndrumar disponibil pe Web: Oana Tarniceriu's Homepage	**4,92**
W	**Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.**	
	W1 C.O. Tărniceriu, *Matematici Speciale, Oana Tarniceriu's Homepage*	**1**
	W2 **C.O. Tărniceriu,** *Analiză numerică asistată de calculator* suport de laborator Analiză numerică asistată de calculator disponibil online la Oana Tarniceriu's Homepage	**1**
	W3. **C.O. Tărniceriu,** *Algebră Liniară și Geometrie Analitică și Diferențială*, suport curs disponibil pe Web: Oana Tarniceriu's Homepage	**1**

3º Cărţi/ capitole cărţi de specialitate publicate în edituri recunoscute din ţară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din ţară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenţie (B1, B2 etc.), creaţii artistice prezentate la manifestări recunoscute din ţară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor ştiinţifice naţionale/ internaţionale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum şi alte lucrări (N1, N2 etc.) prin care se aduc *contribuţii ştiinţifice la dezvoltarea domeniului.*

	Articol publicat în revistă cotată ISI, cu factor de impact	**Punctaj**
R	**R1** G.Dumont, **C.O. Tarniceriu***, Pattern formation in a spiking neural-field of renewal neurons,* SIAM Journal on Applied Dynamical Systems, 23(4), 2670-2694, 2024.	**3**
	R2 G.Dumont, J.Henry, **C.O. Tarniceriu***, Oscillations in a fully-connected network of leaky integrate-and-fire neurons with a Poisson spiking mechanism,* Journal of Nonlinear Science, 34(1), 2024.	**2**
	R3 G.Dumont, J.Henry, **C.O. Tarniceriu***, A theoretical connection between the Noisy Leaky Integrate-and-Fire and the Escape Rate models: The non-autonomous case*, Mathematical Modelling of Natural Phenomena, DOI: 10.1051/mmnp/2020017, 2020	**2**
	R4. G. Dumont, J. Henry, **C.O. Tarniceriu**, *Noisy threshold in neuronal dynamics: Connections with leaky integrate-and-fire model*, Journal of Mathematical Biology, 2016, vol. 73, issue 6-7, pp 1413 -1436, DOI: 10.1007/s00285-016-1002-8.	**2**
	R5. G. Dumont, J. Henry, **C.O. Tarniceriu**, *Theoretical connections between mathematical neuronal models corresponding to different expressions of noise*, Journal of Theoretical Biology, 2016, vol. 406, pp. 31-41, DOI: 10.1016/j.jtbi.2016.06.022.	**2**
	R6. G.Dumont, J. Henry, **C.O. Tarniceriu**, *A Density Model for A Population of Theta-Neurons,* Journal of Mathematical Neuroscience, 4(1):2, 2014	**2**
	R7 A. Garenne, J. Henry, **C.O. Tarniceriu**, *Analysis of Synchronization in a Neural Population by a Population Density Approach*, Math. Model. Nat. Phenom. Vol. 5, No. 2, pp. 5-25, 2010	**2**
	R8 **C.O. Tarniceriu** , *Optimal Strategy for a Harvesting Problem of Population Dynamics with Logistic Term*, „Analele Ştiintifice ale Universităţii Al. I. Cuza Iaşi", 56 (fasc I), 2010, 25-38.	**6**
	R9 **C.O. Tarniceriu** , *Asymptotic behavior for a nonlinear age-structured population model with diffusion*, Analele Ştiinţifice ale Universităţii Al. I. Cuza Iaşi, fasc. 2 (Tomul LIV), 2008	**6**
	R10 S. Anita, **C.O. Tarniceriu**, *Stabilization for a periodic predator-prey system* Abstract and Applied Analysis, volume 2007, doi:10.1155/2007/86183	**3**
	Articol publicat în revistă indexata in baze de date internaţionale (BDI)	
	R11 **C.O. Tarniceriu**, *Age structure in neuronal models*, (review paper), Special Issue of the Journal „Annals of the Alexandru Ioan Cuza University of Iaşi" (new series), Mathematics, „Surveys în Mathematical Biology and Medicine. Modeling, simulations and control.", 66(2), 2020.	**3**
V	**Articol/studiu publicat în volumul unei manifestări ştiinţifice indexate in baze de date internaţionale (BDI)**	
	V1. **C.O. Tarniceriu,** V.M.Veliov , Optimal *Control for a Class of Size-Structured Systems*, Lecture Notes in Computer Science (ISI Conference Proceedings), volume 4818, Springer Verlag, 456-462,2008	**2**
E	.....	
	E1 International Conference on Applied and Pure Mathematics, November 2024, Iasi, Romania, cu lucrarea *Oscillations in a fully-connected network of leaky integrate-and-fire neurons with a Poisson spiking mechanism*	**1**
	E2 International Conference on Applied and Pure Mathematics, 31-st October - November 3, 2019, Iasi, Romania cu lucrarea *A nonlinear PDE system describing a network of neurons with Poisson spiking mechanism*	**1**
	E3 *I*nternational Conference on Applied and Pure Mathematics, November 2-5, 2017, Iasi, Romania cu lucrarea *Connections between mathematical formalizations of noise*	**1**

	in neural dynamics	
	E4 International Conference on Applied and Pure Mathematics, November 1-3, 2013, Iasi, Romania cu lucrarea *Density Models for Populations of Neurons*	**1**
	E5 G.Dumont, J. Henry, **C.O. Tarniceriu**, *Analysis of behaviour of a neural population,* NEUROCOMP Computational Neuroscience: From Multiple Levels to Multilevel, 16-18 Sept. 2009, Bordeaux, France	**0,33**
	E6 A. Garenne, J. Henry, **C.O. Tarniceriu***, Analysis of synchronization in a neural population by a population density approach*, CMPD 3 – The Third Conference on Computational and Mathematical Population Dynamics, Bordeaux, France, May 31— June 4, 2010.	**0,33**
	E7 **C.O. Tarniceriu***, Optimal control for a size structured system,* International Exploratory Workshop on Differential Equations and Applications in Life Sciences, Iasi, Romania, September 5-7 2008	**1**
	E8 S. Anita, **C.O. Tarniceriu**, *Stabilization for a reaction-diffusion system in periodic environment*, 9-th International Symposium on Automatic Control and Computer Science, November 2007, Iasi, Romania	**0,5**
	E9 K.Georgiev, **C.O. Tarniceriu**, V. Veliov, *Numerical optimal control of size structured systems*, Information days on BIS 21++ project, September 28-29, Borovets, Bulgaria	**0,33**
	E10 **C.O. Tarniceriu**, V. Veliov, *Optimal control of a class of size-structured systems*, 6th International Conference on Large-Scale Scientific Computations, Special Session on „Control Theory", June 2007, Sozopol, Bulgaria	**0,5**
	E11 **C.O. Tarniceriu**, *Optimal control of size structured population*, Conference Francophone de Modelisation Mathematique en Biologie et Medicine, July 2006, Craiova, Romania	**1**
	E12 C.O. Tarniceriu, *Optimal control of size structured population* , Viennese Vintage Workshop, November 2005, Vienna, Austria	**1**

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum şi alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se *aduc contribuţii la dezvoltarea mediului educaţional/ cultural/ economic/ social etc.*

	Alte lucrări de proiectare-cercetare-dezvoltare	**Punctaj**
F	**F1** Expert educație (Matematică) în proiectul ROSE AG 185, *Creşterea gradului de retentie în primul an de studii universitare în inginerie electrică şi energetică prin reducerea abandonului şi creşterea promovabilităţii*	**21,05**

Note:

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

I - indicativul (T1, T2 etc.; Ca1, Ca2 etc.; …), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1**, **I1** etc., după caz);
II - autorii în ordinea din publicaţie, cu scriere "bold" **a candidatului**;
III - *titlul*, scris "italic";
IV - editura sau revista sau manifestarea şi/sau alte elemente de localizare, după caz;
V - intervalul de pagini din publicaţie, respectiv, pp …-…, numărul total de pagini, respectiv, … pg., sau alte date similare, după caz;
VI - anul sau perioada de realizare, după caz;

(2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; …), lucrările sunt în ordine invers cronologică;
(3) În cazul în care o grupă de lucrări nu se regăseşte în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
(4) Candidaţii au libertatea să completeze lista şi cu alte grupe de lucrări.

Data:26\06\2025

Candidat: Tărniceriu Carmen-Oana

Anexa A.3.7 - Lista de lucrari, cadre didactice

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: Temneanu Marinel Costel

A. Teza de doctorat.

Contribuţii la studiul pierderilor de energie în materiale magnetice în regim deformant, 1999

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

C1. Donciu C., Temneanu M., Măsurăm împreună cu Codrin Donciu și Marinel Temneanu Editura PIM, 2014, ISBN: 978-606-13-2207-7, 160 pag
C2. Blaga P., Minciuc E., Temneanu M., Donciu C., Ionel I., Lelea D., Figură F., Măsurarea mărimilor electrice şi neelectrice, Editura Academiei Oamenilor de Ştiinţă din România, 2011, ISBN: 978-606-8371-17-7, 144 pag
C3. M. Temneanu ,Pierderi de energie în materiale magnetice, ISBN 978-606-520-422-5, Ed. PIM, Iaşi, 2009, 142 pg.
C4. Donciu C., Fosalau C., Temneanu M., Tehnici de teletransmisie a datelor în învăţământul tehnic la distanţă, Casa de Editură Venus, Iaşi, 2006, ISBN: 973-756-009-4, 158 pag
C5. C. Foşalău, C. Zet, M. Temneanu, E. Vremeră, Noi materiale în construcţia de senzori, ISBN 973-756-020-5, Casa de Editură Venus, Iaşi, 2006, 178 pg
C6. C. Schreiner, R. Ciobanu, M. Temneanu, Advanced on Quality and Reliability Assurance of Electrical Materials ISBN 973-621-030-8, (în limba engleză), Ed. "Gh. Asachi", Iaşi, 2002, 135 pg.
C7. M. Temneanu T. Balan, capitol in volumul: Tendinţe novatoare în instrumentaţie şi măsurări electrice , Ed. Sedcom Libris, ISBN 973-8028-76-0, Iaşi, 2001
C8. M. Temneanu, M. Olariu, Indrumar de laborator pentru Materiale pentru inginerie electrica – partea II, 110 pagini, 2019, ISBN: 978-606-13-5396-5, Editura PIM

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

D1 C. Schreiner, R. Ciobanu, M. Temneanu, Calitate, fezabilitate, fiabilitate, diagnoză Rotaprint U.T. "Gh. Asachi" Iaşi, 2000, 199 pg.
D2. Schreiner, R. Ciobanu, M. Temneanu, Calitate, fezabilitate şi fiabilitate, Rotaprint U.T. "Gh. Asachi" Iaşi, 1997, 209 pg.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

Articole publicate în reviste cotată ISI, cu factor de impact

F.1. Temneanu, MC; Donciu, C; Serea, E Distance Measurement Between a Camera and a Human Subject Using Statistically Determined Interpupillary Distance, Appliedmath, Sep 3 2025, Vol. 5, Issue 3

F.2. Temneanu, MC; Donciu, C; Serea, E Self-Contained Earthquake Early Warning System Based on Characteristic Period Computed in the Frequency Domain, Applied Sciences-Basel, Aug 15 2025, Vol. 15, Issue 16

F.3. Serea, E; Donciu, C; Temneanu, MC Modular System for High-Precision Irrigation with Nutrients Addition, Applied Sciences-Basel, Aug 10 2025, Vol. 15, Issue 16

F.4. Donciu, C; Temneanu, MC; Serea, E PV Panels Fault Detection Video Method Based on Mini-Patterns Appliedmath, Jul 10 2025, vol.5, issue 3

F.5. Donciu, C; Serea, E; Temneanu, MC Frequency domain estimation method of the characteristic period of the P wave of earthquakes, Frontiers In Physics, Feb 25 2025, Vol.13

F.6. Donciu, C; Serea, E; Temneanu, MC, Residential Electricity Consumption Behaviors in Eastern Romania: A Non-Invasive Survey-Based Assessment of Consumer Patterns, ENERGIES, SEP 14 2025, vol. 18, issue 18

F.7. Donciu C, Serea E, Temneanu MC , Frequency Seismic Response for EEWS Testing on Uniaxial Shaking Table, ENTROPY, eISSN, 1099-4300, vol. 25, issue 4, 2023

F.8. Serea E, Penciuc M, Temneanu M., Donciu C., Video Distance Measurement Technique Using Least Squares Based Sharpness Cost Function, Mathematics, eISSN 2227-7390, vol.10, sept. 2022

F.9. Can, S.Yilmaz, A.E, Donciu, C, Temneanu, M, Ardeleanu, A.S, "Electrostatic discharge protective garment: Results obtained for knitted fabrics with hybrid yarns", Tekstil ve Konfeksiyon, ISSN:1300-3356, Volume 25, Issue 3, July 2015, Pages 220-228

F.10. Donciu, C., Temneanu, M.,An alternative method to zero-padded DFT, MEASUREMENT, ISSN:0263-2241, vol. 70 Pages: 14-20, JUN 2015,

F.11. Donciu C., Temneanu M., *Algorithm for video-intelligent inspection of the textile materials imprint with repetitive pattern*, Industria Textila, ISSN:1222-5347, vol. 60, issue 6, pp. 326-333, 2009;

F.12. Donciu C., Temneanu M., *Integrated visual-smart inspection system for the textile fabrics developed by image virtual processing methods*, Industria Textila, ISSN:1222-5347, vol. 60, issue 3, pp. 134-145, 2009

F.13. Donciu C., Temneanu M., *E-Learning System for Students on Electrical Engineering*, International Review of Electrical Engineering-IREE, ISSN:1827-6660, vol. 3, issue 6, pp. 1087-1096, 2008;

F.14. Donciu C., Temneanu M., Brinzila M., *Urban traffic pollution reduction using an intelligent video semaphoring system*, Environmental Engineering and Management Journal, ISSN:1582-9596, vol. 6, issue 6, pp. 563-566, 2007

F.15. Donciu C., Temneanu M., Brinzila M., *Sustainable irrigation based on intelligent optimization of nutrients applications*, Environmental Engineering and Management Journal, ISSN:1582-9596, vol. 6, issue 6, pp. 537-540, 2007

Articol publicate în reviste indexata in baze de date internaţionale (BDI)

F.16. E. Serea, M. Penciuc, M. C. Temneanu and C. Donciu, Video distance measurement method based on three focus positions, Bul.Inst.Polit.Iasi 2022; 72 (1) : 9-16 – Index Copernicus

F.17. R. Ciobanu, T. Balan, M. Temneanu, *A theoretical approach in reliability estimation of power capacitors,* Buletinul I.P.I., Tomul XLI, Fasc. 1-2, sect. III, 1995, pp. 57-63, INSPEC

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

H.1. M. Temneanu, C. Donciu, C. Dosoftei, Informatic system of interactive training for virtual laboratory type applications(I), L2- Ferrite magnetic characterization, Revista Acta Electrotehnica, Cluj-Napoca, Volum 48, nr. 3, 2007, pp 218-222, ISSN: 1841-3323
H.2. C. Foşalău, M. Temneanu, Study Upon the Amorphous Magnetic Wires Properties Under Various Factors of Influence, Buletinul I.P.I., Tomul LII (LVI), Fasc. 3-4, 2006, pp. 115-122
H.3. M. Temneanu, C. Foşalău, C. Temneanu, Modeling the Static Hysteresis Loop of Magnetic Materials, Buletinul I.P.I., Tomul LI (LV), Fasc. 1-2, 2005, pp. 117-120
H.4. C. Foşalău, M. Brânzilă, M. Temneanu, L. Niţă, A digital Acquisition Board with Data Transfer by Parallel Ports, Buletinul I.P.I., Tomul L (LIV), Fasc. 5, 2004, pp. 826-829
H.5. M. Branzila, M. Temneanu, M. Creţu, M. Pereira, C. Donciu, System for Environmental Monitoring Using a Data Acquisition Board by Parallel Port, Buletinul I.P.I., Tomul L (LIV), Fasc. 5, 2004, pp. 737-742
H.6. M. Temneanu, T. Balan, D. Balan, Time Domain Hysteresis Model Based on Core Loss Separation, Buletinul I.P.I., Tomul L (LIV), Fasc. 5, 2004, pp. 910-914
H.7. M. Temneanu, C. Zet, C. Foşalău, C. Donciu, Sample Auto-Ranging Data Acquisition Using Low Level Programming Techniques, Buletinul I.P.I., Tomul L (LIV), Fasc. 5, 2004, pp. 906-910
H.8. O. Postolache, M. Pereira, P. Girao, M. Creţu, M. Temneanu, A distributed hybrid neural network based system for water quality monitoring, Buletinul I.P.I., Tomul XLVIII, Fasc. 5B, sect. III, 2002, 235-242
H.9. C. Foşalău, C. Zet, M. Temneanu, Instrumentaţie virtuală pentru măsurarea performanţelor convertoarelor D/A, Revista de instrumentaţie virtuală, nr. 6, 1999, pp. 71-76
H.10. M. Temneanu, T. Balan, C. Foşalău, Utilizarea instrumentaţiei virtuale în măsurarea mărimilor magnetice de material, Revista de instrumentaţie virtuală, nr. 6, 1999, pp. 83-84
H.11. C. Foşalău, E. Vremeră, M. Temneanu, Virtual characteriscope for bipolar transistors, Buletinul I.P.I., Tomul XLV, Fasc. 5A, sect. III, 1999, pp. 236-239
H.12. M. Temneanu, C. Foşalău, C. Temneanu, Virtual instrumentation in measurements. Case of study, Buletinul I.P.I., Tomul XLV (IL), Fasc. 5A, 1999, pp. 295-298
H.13. M.Temneanu, T. Balan, D. Balan, Causal and measurable quantities in magnetic material analyze, Buletinul I.P.I., Tomul XLV, Fasc.5A, sect. III, 1999, pp. 205-208
H.14. M. Temneanu, C. Temneanu, Chua type hysteresis model, Buletinul I.P.I., Tomul XLIV (XLVIII), Fasc. 1-2, 1998, pp. 67-71
H.15. M. Temneanu, D. Balan, T. Balan, The study of inductors with transverse command using Chua type models for magnetic materials, Buletinul I.P.I., Tomul XLI, Fasc.3-4, sect. III, 1998, pp. 125-129
H.16. R. Ciobanu, W. Pfeiffer, T. Balan, M. Temneanu, The specific behaviour of electrotehnical papers under high frequency partial discharges, Buletinul I.P.I., Tomul XLIII, Fasc.1-2, sect. III, 1997, pp. 91-96
H.17. T. Balau-Mandru, M. Temneanu, I. Iacomi, I. Balau-Mandru, G. Ioanid, Studiul influenţei hidrolizatelor de colagen şi polisiloxanilor asupra comportării dielectrice şi termice a peliculelor din PVC plastifiat expandate in CEIF, Buletinul I.P.I., Tomul XLIII, Fasc 3-4, sect. 8, 1997, pp. 165-171
H.18. T. Bălău-Mândru, M. Temneanu, I. Bălău-Mândru, Studiul influenţei unor auxiliari asupra caracteristicilor de structură poroasă a peliculelor din PVC plastifiat expandate în CEIF, Buletinul I.P.I., Tomul XLIII, Fasc 3-4, sect. 8, 1997, pp. 159-164
H.19. T. Bălău-Mândru, I. Iacomi, M. Temneanu, I. Bălău-Mândru, G. Ioanid, Comportarea reologică a peliculelor din PVC plastifiat expandate în CEIF, Buletinul I.P.I., Tomul XLIII, Fasc 3-4, sect. 8, 1997, pp. 153-158
H.20. C. Schreiner, L. Cantemir, M. Temneanu, A New Complex Parameter in Establishing the Transient Moving Regime of Linear Induction Motors, Buletinul I.P.I., Tomul XLI (XLV), Fasc. 3-4, sect. III, 1995, pp. 123-130
H.21. M. Temneanu, T. Balan, D. Balan, Some observations regarding magnetic materials behaviour analyze, Buletinul I.P.I., Tomul XLI, Fasc. 5, sect. III, 1995, pp. 445-450
H.22. M. Temneanu, A. Dumitraşc, B. Balan, Skin resistance variation measurements, Buletinul I.P.I., Tomul XLI, Fasc. 5, sect. III, 1995, pp. 451-457

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

Articol/studiu publicat în volumul unei manifestări ştiinţifice indexate WOS

I.1. Adascalitei, A, El-Din Zein El-Din, AS Aradoaiei, S, Temneanu, M, Istrate M., The Blended Teaching and Learning Methods and the Implementation of Online Laboratories in Electrical and Computer Engineering Education Programs, EDUCATING ENGINEERS FOR FUTURE INDUSTRIAL REVOLUTIONS, ICL2020, VOL 2, 2020, 136-147.
I.2. Adascalitei, A, Aradoaiei, S, Temneanu, M, El-Din Zein El-Din, AS, "Implement Online Laboratories in Electrical and Computer Engineering Education using Virtual Learning Environments" Proceedings of the 15th International Scientific Conference on eLearning and Software for Education (eLSE) 2019, pag. 162-170
I.3. El-Din, ASEZ, Adascalitei, A, Temneanu, M, Aradoaiei, S, " Blended Learning Methodologies and ePedagogical Approaches Used in an Electrical and Computer Engineering Education Program Leading to International Accreditation", Proceedings of the 13th international conference on virtual learning, ICVL 2018, pag. 63-77
I.4. Temneanu, M., Appliance characterization based on spectral components analysis, Proceedings of the 2014 International Conference and Expositionon Electrical and Power Engineering, 2014
I.5. M Temneanu, AS Ardeleanu, AE Yilmaz, M Penciuc, Influence of knitting techniques on ESD performances, Proceedings of the 2014 International Conference and Expositionon Electrical and Power Engineering, 2014
I.6. Temneanu, Marinel; Ardeleanu, Andrei, Non-Intrusive Hybrid Energy Monitoring System, Advanced Materials Research, ISSN:1022-6680, vol. 837, pp. 495-499, 2014
I.7. Temneanu M., Ardeleanu A.S., Hardware and Software Architecture of a Smart Meter Based on Electrical Signature Analysis, 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-6, 23-25 May 2013;
I.8. Ardeleanu A.S., Temneanu M., Fundamental Frequency Estimation Based on Mean Values, 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-4, 23-25 May 2013;
I.9. Donciu C., Temneanu M., Costea O., Traffic light's control through an intelligent video system, Management of Technological Changes, vol. 2, pp. 673-676, 2009;
I.10. Donciu C., Costea O., Temneanu M., Damian R., Branzila M., New prototype architecture for automated irrigation based on power line communications, Grid Enabled Remote Instrumentation, Book Series: Signals and Communication Technology, pp. 499-509, 2009;
I.11. Temneanu M., E-Laboratories in Electrical Engineering. Strategy and Practice. 5th Interational Seminar on Quality Management in Higher Education, Tulcea, pp. 299-302, 2008
I.12. Ciobanu, R.; Schreiner, C.; Temneanu, M., Broadband Partial Discharges Technique and Application in the field of cable paper insulation, International Conference on Condition Monitoring and Diagnosis, pp. 1191-1194, 2007
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I.14. E. Serea, M. C. Temneanu and C. Donciu, "Opto-Guard: Non-invasive System of Continuous User Assurance of Keeping the Optimal Distance of the Eyes from the Computer Screen," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 1-5, doi: 10.1109/EPE56121.2022.9975793., SCOPUS
I.15. E. Serea, M. C. Temneanu, C. Donciu and G. Roşu, "Video Method for Estimating the Apparel Worn Size," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 364-367, doi: 10.1109/EPE56121.2022.9959746., SCOPUS
I.16. E. Serea, M. C. Temneanu, C. Donciu and M. Berdan, "Influence of Household Tools in Regional Configuration of Earthquake Early Warning Systems," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 376-381, doi: 10.1109/EPE56121.2022.9959812., SCOPUS
I.17. I. Pavel, C. Donciu, M. Temneanu and M. Penciuc, "Video Distance Measurement Method Based on the Weighted Average of the Depth Intervals Centers," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 457-461, doi: 10.1109/EPE56121.2022.9959767., SCOPUS

I.18. M. Dodon, I. Gheorghitanu, C. Donciu and M. Temneanu, "Distance Measurement Method Based on Average Interpupillary Distance," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2021, pp. 345-348, doi: 10.1109/SIELMEN53755.2021.9600308., SCOPUS
I.19. I. Gheorghitanu, C. Donciu and M. Temneanu, "Shaking Table on One Axis with Electrodynamic Actuator," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2021, pp. 363-366, doi: 10.1109/SIELMEN53755.2021.9600316., SCOPUS
I.20. Donciu C., Ardeleanu A.S., Temneanu M., Multi-feature load detection algorithm, Advanced Materials Research, ISSN:1022-6680, vol. 772, pp. 448-454, 2013; SCOPUS
I.21. Donciu C., Temneanu M., Dosoftei C., New multitask prototype architecture for virtual laboratory, 16th IMEKO TC4 International Symposium, Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, pp. 706-710, 22-24 September 2008; SCOPUS
I.22. Donciu C., Temneanu M., Samoila A., Automated video system for measurement instrument test and calibration, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing, Iasi, Romania, vol. 1, pp. 166-169, 18-22 September 2007; SCOPUS
I.23. Donciu C., Temneanu M., Samoila A., New prototype arhitecture for vision automated inspection, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing, Iasi, Romania, vol. 2, pp. 532-536, 18-22 September 2007; SCOPUS
I.24. Temneanu M., Ciobanu R., Donciu C., Amorphous wire based stress sensor working with low carrier frequency, IMEKO 20th TC3, 3rd TC16 and 1st TC22 International Conference, Cultivating metrological knowledge, Merida, Mexico, pp. 171-176, 27-30 November 2007. SCOPUS
I.25. M. Temneanu, R. Ciobanu, C. Foşalău, M. Creţu, Magnetic Amorphous Nano-Structured Wires Characterisation Using Impedance Spectroscopy, XVIII IMEKO World Congress, Rio de Janeiro, Brazilia, 2006, SCOPUS
I.26. R. Ciobanu, C. Schreiner, M. Temneanu, Upon the Difference Between the Evolution Versus Frequency of PD and Breakdown Processes, Related to Paper for DC Cables Insulation, XVIII IMEKO World Congress, Rio de Janeiro, Brazilia, 2006, SCOPUS
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I.33. M. Temneanu, C. Zet, M. Creţu, C. Foşalău. Iron losses measurement using sample auto-ranging data acquisition techniques, IMEKO TC4 Symposium, Zagreb, 2002, pp. 33-36, SCOPUS
I.34. C. Foşalău, M. Creţu, M. Temneanu, Angle transducer with frequency output based on magnetostrictive amorphous wires, IMEKO TC4 Symposium, Zagreb, 2002, pp. 438-441, SCOPUS
I.35. C. Zet, M. Temneanu, C. Foşalău, M. Creţu, Testing total harmonic distortion for sample auto-ranging systems, IMEKO TC4 Symposium, Zagreb, 2002, pp.438-441, SCOPUS
I.36. M. Temneanu, T. Balan, D. Balan, C. Temneanu, Fuzzy versus neural network magnetic model in iron losses prediction, IMEKO TC4 Symposium, Zagreb, 2002, pp. 37-40, SCOPUS
I.37. M. Temneanu, T. Balan, D. Balan, O. Postolache, Iron losses prediction using neural network based magnetic model, IMEKO TC4 Symposium, TEMI 2001, Lisabona, pp. 374-377, SCOPUS

I.38. C. Zet, M. Temneanu, C. Foşalău, M. Creţu, Sample auto-ranging acquisition using National Instruments support, IMEKO TC4 ADC Modelling and Testing Workshop, 2001, Lisabona, pp. 177-150, SCOPUS
I.39. M. Temneanu, T. Balan, D. Balan, Hysteresis model of magnetic materials, Optim International Conference Proceedings, Braşov, Romania, 1998, pp. 3-6, SCOPUS

J. Invenţii.

K. Contracte de cercetare.

Calitatea	Nr. Crt.	Titlul proiectului	Număr contract/ tip	Valoare contract (RON)	Perioada/ anul
Director proiect - proiecte internaţio-nale	1	Instrumentatie la distanta pentru noile griduri regionale dedicate	PN II Capacități-bilateral 62CB/2008 Romania Bulgaria	121869.49	2008
Director proiect - proiecte naţionale	2	Sistem de videointerfonie multifuncțional conectat la internet cu protecție la atacuri cibernetice	Cod SMIS 338210	1.602.798	2025-2028
	3	Sistem de avertizare seismică cu deblocarea automată a ușilor de intrare prevăzute cu interfon	cod SMIS 137414 POR 2014-2020	1419027.54	2020-2025
	4	Echipament inteligent de monitorizare si optimizare a consumului de energie electrica la consumatori rezidentiali dotat cu semnatura	PN III 13PTE/2016	384412.00	2017 - 2018
	5	Contor inteligent bazat pe evaluarea semnaturii energetice	PN II Parteneriat 30/2012	1113000.00	2012 - 2016
	6	Sistem videointeligent de comanda a semaforizarii intersectiilor destinat diminuarii congestiilor rutiere si reducerii poluarii fizico-chimice si fonice a mediului	PN II Parteneriat 71-100/2007	736427.00	2007 - 2010
	7	Sistem integrat de inspectie video-inteligenta a materialelor textile, dezvoltat prin metode virtuale de procesare a imaginii	CEEX 57/2006	499000.00	2006 - 2008
		Ecrane pentru constructii speciale bazate pe structuri chiral-fagure	CEEX 46/2006	550000.00	2007 - 2008
	8	Dezvoltarea parteneriatelor C/D in vederea promovării unor proiecte europene în domeniul	CEEX 201/2006	155400.00	2006 - 2008

		sistemelor distribuite de monitorizare a mediului			
	9	Studiu pentru fundamentarea directiilor de dezvolatare a metrologiei industriale in romania	Program sectorial al MEC - contract nr. 7/206281/2005	10000.00	2005
	10	Magnetoscopie virtuala	Gr.CNCSIS 33479/2002 - T.70	5000.00	2002
			Gr.CNCSIS 33557/2003 - T.81	3600.00	2003
	11	Implementarea tehnicilor moderne de achizitie si prelucrare numerica a semnalelor in masurarea pierderilor de energie in materiale magnetice in regim nesinusoidal	Gr.CNCSIS 37089/2000 - T.49	2500.00	2000
			Gr.CNCSIS 35259/2001 - T.65	4500.00	2001
	12	Modelarea caracteristicilor materialelor magnetice utilizand algoritmi inteligentei artificiale	Gr.ANSTI 6177/2000 - T.B28	2000.00	2000
			Gr.ANSTI 6177/2000 - T.A38	2500.00	2001
Membru echipă - proiecte internaţio-nale	1	Innovative technology for multilayer EMI shields based on spatial fabric	PN II ERA NET 7-071/2012	405000.00	2013 - 2014
	2	Dezvoltarea de bio-senzori implantabili dedicaţi evaluării neurotransmiţătorilor, bazaţi pe depuneri de compozite polimerice conjugate pe structuri carbonice nano-poroase/ development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures – carpolsense	PN II Capacităţi-bilateral 567/2012	26578.20	2012 - 2013
	3	Dezvoltarea de biosenzoriprin intermediul unei tehnologiiinovative de electroacoperire a structurilor carbonice cu polimeri activi	PN II ERA NET 7-038/2011	381282.62	2011 - 2012
	4	Tehnologii inovative de asamblare-dezasamblare a componentelor nemetalice industriale, bazate pe adezivi electro-activi nanostructurati	PN II ERA NET 7-042/2011	628919.68	2011 - 2012

	5	COMPOZITE POLIMERICE NANO-ACTIVE AVANSATE CU METALE RARE SI OXIZI METALICI PENTRU APLICATII IN MICROELECTRONICA IN DOMENIUL GHz	PN II Capacități-bilateral 436CB/2010	48798.03	2010 - 2012
	6	Nanocompozite polimerice conductive cu structura predefinita si proprietati dielectrice si emc dedicate ecranarii si realizarii de panouri	PN II ERA NET 7-014/2008	1899986.52	2008-2010
	7	Ecrane si panouri absorbante pentru utilizari speciale bazate pe compozite nanostructurate cu arhitectura predefinita si proprietati dielectrice si electromagnetice personalizate	PN II Capacități-bilateral 63CB/2008	125646.14	2008 - 2009
	8	Filme ceramice subtiri nanoporoase din cristale zeolitice pe baza de siliciu pentru materiale cu constanta dielectrica redusa	PN II Capacități-bilateral 64CB/2008	204851.07	2008 - 2009
Membru echipă - proiecte naționale	9	Sistem video de evaluare a tipodimensiunilor cleintilor magazinelor on-line de haine	SMIS 137825 POR 2014-2020	1242000.00	2020-2023
	10	System OFDM bazat pe utilizarea FFT cu argument neintreg	PN III PED 213PED/2017	330000.00	2017 - 2018
	11	Mini-patern-urile, soluţia coordonării video a procesului de confecţionare a produselor textile	PN II Parteneriat 251/2014	624500.00	2014 - 2017
	12	Ecrane electromagnetice spaţiale bazate pe funcţionalizare diferenţială cu nano/micro-particule	PN II Parteneriat 260/2014	466000.00	2014 - 2017
	13	Haine ESD realizate din fibre cu miez conductor tricotate bistrat	PN II Parteneriat 179/2012	720600.00	2012 - 2014
	14	Sistem video automatizat cu grad ridicat de interschimbabilitate pentru etalonare metrologica a echipamentelor de masurare	PN II Parteneriat 72-173/2008	580510.00	2008 - 2011
	15	Microtraductoare cu elemente sensibile bazate pe nanofire magnetice	Colab.PN II Parteneriat 72-157/2008	384295.80	2008 - 2011
	16	Microsenzori magnetici implantabili pentru aplicatii medicale	Colab.PN II Parteneriat 12-110/2008	40000.00	2008 - 2011
	17	Sistem pe baza de microfibre magnetice pentru neutralizarea activarii de la distanta a explozivilor prin intermediul telefoanelor mobile	Colab.PN II Parteneriat 82-096/2008	30000.00	2008 - 2011

	18	Microsenzori acustici pe baza de nanofire magnetostrictive pentru aplicatii medicale	Colab.PN II Parteneriat 12-114/2008	80000.00	2008 - 2011
	19	Senzori bazati pe elemente de detectie nanometrice pentru aplicatii in nano-medicina	Colab.PN II Parteneriat 12-109/3/2008	79995.00	2008 - 2011
	20	Metodologie dielectrica nedistructiva neinvaziva comparativa de detectare rapida a ingredientelor cu potential major de risc pentru sanatate din produsele alimentare	PN II Parteneriat 51-015/2007	627691.01	2007 - 2010
	21	Fotodetectori bazati pe nanofire multisegment	Colab.PN II Parteneriat 11-060/2007	142800.00	2008 - 2010
	22	Racordarea principiilor romanesti de evaluare si atestare a institutiilor de cdi la criteriile era-ro-era	Colab.CEEX 238/2006	10000.00	2006 - 2008
	23	Crearea unui mecanism suport de determinare a indicatorilor stiintifici pentru evaluarea si testarea institutiilor romanesti de cdi, nu cele academice si universitare, in perspectiva aderarii la era	Colab. CEEX 06-8-66/ 2006	160000.00	2006 - 2008
	24	Sistem inteligent de irigare de precizie implementabil pe structurile automate cu deplasare circulara sau liniara	CEEX 51/2006	467300.00	2006 - 2008
	25	Sistem informatic de instruire interactiva bazat pe algoritmi multi task de mare viteza dezvoltat pe platforma reconfigurabila online pentru aplicatii de tip laborator virtual	CEEX 137/2006	606164.00	2006 - 2008
	26	Dezvoltarea parteneriatelor c/d in vederea promovarii de proiecte europene in domeniul video inspectiei inteligente a materialelor textile	CEEX 194/2006	160000.00	2006 - 2008
	27	Nanofire de oxizi metalici semiconductori magnetici diluati	Colab.CEEX 1/2006	90392.60	2006 - 2008
	28	Extinderea posibilitatilor de masurare continua on-line a parametrilor poluanti din apa si aer pentru un laborator de mediu	CEEX 110/2006	770000.00	2006 - 2008
	29	Biocompozite obtinute prin reciclarea deseurilor de pet si utilizarea de derivati ligno-celulozici	CEEX 79/2006	720000.00	2006 - 2008
	30	Obtinerea si caracterizarea unor materiale metalice nanocristaline	CEEX 99/2006	251838.00	2006 - 2008

	31	Metode avansate de proiectare si testare a sistemelor de izolatie destinate functionarii in conditii extreme si tolerante la defectare	Gr.CNCSIS 33371/2004 - T.15	15000.00	2004
			Gr.CNCSIS 34664/2005 - T.16	41000.00	2005
			Gr.CNCSIS 164/2006 - T.17	44000.00	2006
	32	Sistem informatic virtual de instruire interactiva la distanta in domeniul masurarilor electrice	Gr.CNCSIS 27637/2005 - T.18	25096.00	2005
			Gr.CNCSIS 164/2005 - T.26	30000.00	2006
			Gr.CNCSIS 80/2007 - T.16	34000.00	2007
	33	Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparative neinvazive si nedistructive de analiza a calitatii si securitatii alimentelor	CEEX 173/2006	150000.00	2006 - 2008
	34	Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul obtinerii de biocompozite cu aplicatii multisectoriale	CEEX 179/2006	130000.00	2006 - 2008
	35	Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul sistemelor virtuale si distribuite de design si management a cercetarii	CEEX 188/2006	155400.00	2006 - 2008
	36	Dezvoltarea parteneriatelor c/d pentru includerea excelentei romanesti in vederea promovarii de proiecte comune in domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electromagnetice in domeniul GHz	CEEX 202/2006	150000.00	2006 - 2008
	37	Sistem automat de iradiere a filmelor polimerice cu un numar prestabilit de particule	Gr.CNCSIS 27637/2005 - T.61	24000.00	2005
			Gr.CNCSIS 164/2006 -T.82	23000.00	2006
			Gr.CNCSIS 80/ 2007- T.57	36000.00	2007

	38	Nanofire multistrat cu structura de tip valva de spin. Proprietati de magnetorezistenta gigant. Structura cadru	CEEX 21/2005	120000.00	2005 - 2008
	39	Noi materiale in constructia de dispozitive de masura	Gr.CNCSIS 27637/2005 - T. 25	10000.00	2005
			Gr.CNCSIS 164/2006 - T.35	16000.00	2006
			Gr.CNCSIS 80/2007 - T.24	16000.00	2007
	40	Sistem informatic virtual pentru educatie interactiva la distanta in domeniul ingineriei electrice	PNCDI - Infosoc 132/2004	150000.00	2004 - 2006
	41	Microtraductoare cu elemente sensibile din materiale magnetice amorfe	PNCDI - Matnantech 258/2004	150000.00	2004 - 2006
	42	Metoda avansata de analiza a calitatii si de optimizare a structurii si tehnologiei bio_ si nano_compozitelor, pe baza spectroscopiei dielectrice corelata cu teoria elementului finit	Grant tip E CNCSIS, cod 82 / 2004.	65000.00	2004
	43	Histerezis magnetic. De la experiment la modelare analitica si CAD electric	Gr.CNCSIS: 34280/99-T44 37089/2000-T28 35259/2001-T7	12500.00	1999-2001

L. Premii, distincţii.

M. Alte realizări semnificative.

Data,

28 februarie 2026

Nume, semnătura

Temneanu Marinel Costel

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE MANAGEMENT
Programul de studii de licență: INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC

Numele și prenumele: VERZEA ION

A. Teze de doctorat.

1. *Contribution à l'optimisation des méthodes de management de la maintenance*, Diploma de doctor în specializarea "Științe și tehnologii industriale", cu mențiunea "Très Honorable", nr. 54-1507V012/24.03.2000, acordată de Universitatea Henri Poincaré Nancy I (Franța).
2. *Contribuții privind optimizarea metodelor de management al mentenanței,* Diploma de doctor în ramura de știință tehnică cu specializarea "Management și inginerie industrială", nr. 5086/ 01.07.1999, susținere publică în data de 28.03.1999, acordată de Universitatea Tehnică "Gheorghe Asachi" din Iași.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.
1. Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). (2025). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed), Loghin E.C., Marin I.E., Avădanei M.L., **Verzea I.,** Dulgheriu I., *Chapter 7, Digital Transformation in Fashion. Advancing to a Sustainable ZW Based Industry*, 16 pages
2. Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). (2025). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed.), Miraute L.C., **Verzea I.**, Căsăneanu N.M., Chapter 11, *Sustainable Production in the Pharmaceutical Industry, Waste Management and Environmental Protection,* 16 pages
3. Aib, A., Chaib, R., **Verzea, I**., Cozminca, *Mapping of occupational hazards at Palma Industrial Park, Constantine, Algeria,* capitol publicat în *Sustainable Development, Editor Brebbia C.A* , WIT Press, Southampton (UK), 2015 ISBN 978-1-78466-157-1, pag.1075 -1086
4. Chaib, R., **Verzea, I**., Benidir, M., Taleb, M., *Promoting a culture of health and safety at work. Safety - a permanent priority,* capitol publicat în *Risk Analysis VIII*, *Editor Brebbia C.A.,* WIT Press, Southampton (UK), 2012, ISBN 978-1-84564-620-2, pag. 405-415

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).
1. Vîlcu A., **Verzea I.**, Vîlcu Cătălin, Soft Compunting în practică. Metode și modele de IA pentru aplicații în inginerie și management, Ed. Perormantica, Iași, 2026, ISBN 978-630-328-181-0, 172 pag.
2. **Verzea I.**, Vîlcu A., *Managementul firmei prin praguri*, Ed. Performantica, Iași, 2021, ISBN 978-606-685-770-3, 174 pag., 29 randuri pe pagină
3. Luca G.P., **Verzea I.,** *Logistica și managementul lanțului de aprovizionare*, Ed. Peformantica, Iaşi, 2019, ISBN 978-606-685-683-69, 237 pag.
4. Luca, G.P., Lazarescu R., **Verzea I**., *Abordarea strategică a mixului de marketing pentru afacerile de succes*, Ed. Peformantica, Iaşi, 2015, ISBN 978-606-685-333-0, 235 pag.

5. **Verzea, I**., *Îndrumar de întocmire a proiectelor de licență și de disertație în domeniile "Managementul mentenanței" și "Management financiar"*, Ed. Performantica, Iași, 2015, ISBN 978-606-685-273-9, 104 pag.,
6. **Verzea, I**., *Maintenance management - The Keystone of the "Production – Quality – Maintenance" Triplet,* Ed. Performatica, Iași, 2015, ISBN 978-606-685-264-7, 152 pag.
7. **Verzea, I**.,_Luca G.P, *Managementul tripletei "Producție-Calitate-Mentenanță" prin metoda AMDEC,* Ed. Performatica, Iași, 2013, ISBN 978-606-685-013-1, 220 pag.
8. Istrate, C., **Verzea, I**., Avasilcăi S, *Indrumar de practică pentru elaborarea lucrării de licență,* Ed. Performantica, Iași, 2011, ISBN 978-973-730-852-8, 100 pag.
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138. **Verzea, I**., *Măsuri de îmbunătăţire a desfăşurării practicii în producţie a studenţilor din învăţământul superior tehnic* , Asigurarea calităţii în învăţământul superior tehnic din România, Ed. "Gh. Asachi", Iaşi, 1997, pag. 213-219
139. **Verzea, I.,** *Costul non-eficacităţii activităţii de mentenanţă,* SIM'97, Vol II, Timişoara, iulie 1997, pag.323 -328
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141. **Verzea I**., Rusu C., *Aplicarea metodei MACTOR activităţii firmelor de mentenanţă în condiţiile actualei perioade de tranziţie spre economia concurenţială,* Volum lucrări "Conferinţa de management", Iaşi, 23-25 nov. 1995, pag. 198-205
142. Verzea, I., Rusu, C., *Structurarea unui Sistem Expert pentru activitatea de mentenanţă într-o întreprindere de confecţii textile,* Volum lucrări "Al III-lea Simpozion internaţional de management, Timişoara, 1994
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145. Rusu, C., **Verzea, I**., *Folosirea graficului timp / performanţă în asigurarea calităţii instruirii muncitorilor din întreprinderile de confecţii,* Volum lucrări " Primul simpozion anual al specialiştilor din domeniul confecţiilor textile", Iaşi, oct.1993, pag. 221
146. Rusu, C., **Verzea, I**., *Stimulente și compesații,* Simpoziom ”Economie de tranziție și dezvoltare durabilă”, București, 20-30 oct., 1993

J. Invenţii.

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K. Contracte de cercetare/granturi.

Director / responsabil:

1. ”*TIC et appropriation de savoir*”, Contrat Agence Universitaire de la Francophonie (AUF) no. 2004/18, 2004 – 2006, Director proiect, 25 040 EUR
2. DIT-MIP Distance Informatic Technologies - Maintenance Industrielle et Production, programme "Campus Numérique 2001" de la Direction de la Technologie du Ministère de la Recherche, France, 2001-2004, Director proiect, 9 080 EUR

3. *Enseignement de la Maintenance Industrielle*, contract DES/2A/MG/No. V-2000-09, Academie de Nancy-Metz (Franța), 2000-2003, competiție internațională, Responsabil grant, 37 800 EUR
4. *"Management de la Maintenance*", Individual Mobility Grant 2412 – Tempus – 1995, 1995-1996, Responsabil grant, 3 200 EUR
5. *Cercetari privind optimizarea planurilor tehnice de mentenanta*, contract Polytech 694P/7.05.2015 (4,4382 lei/Euro la data semnarii contractului), 2015, Director proiect, 1 600 lei + TVA
6. *SIMPRACT - Tranziţia de la şcoală la viaţa activă prin practică şi crearea de întreprinderi simulate*, proiect POSDRU/160/2.1/S/138113, 2014-2015, valoare totală 17.384.209,71 lei, Responsabil proiect partener P6, valoare buget partener P6 909.536,02 lei
7. *Cercetări privind îmbunătățirea managementului tripletei producție – calitate – mentenanță*, Contract Polytech nr. 587P/14.05.2014, 2014, (4,4415 lei/Euro la data semnarii contractului), Director proiect, 750 lei + TVA
8. *Analiza tehnico-economica a situației existente in domeniul producției la S.C. Cora Textiles S.R.L. Iași*, Contract Polytech nr. 305P/12.03.2014, 2014, lei (4,5102 lei/Euro la data semnarii contractului) Director proiect, 1 500 + TVA
9. *Managementul ameliorării satisfacţiei clienţilor prin metoda AMDEC (Analiza modului de disfuncţiune, a efectelor şi criticităţii) produs / client »*, Contract Polytech Nr.1447P / 30.06.2005, 2005, (curs mediu 2005 1 Euro = 3,6234 lei), Director proiect, 10 000 000 ROL + TVA
10. *Consultanţă privind dezvoltarea reţelei de distribuţie pentru Enciclopaedia Britannica*, CETEX nr. 5549/2000, 2000, Contract Universitatea Tehnică "Gh Asachi" Iaşi, Responsbil temă contract, 500 000 ROL + TVA
11. *Consultanţă privind managementul marketingului pentru Enciclopaedia Britannica*, CETEX nr. 5550/2000, 2000, Contract Universitatea Tehnică "Gh Asachi" Iaşi, Responsbil temă contract, 500 000 ROL + TVA

Membru în echipa de proiect:

1. Regional Initiative Project – 0757R2 – *"Network of creative Cities*" - Achronim ORGANZA – Network of Medium Sized Creative Cities, 2010-2012, 149 950,71 euro
2. Proiect *Antreprenoring - Dezvoltarea culturii antreprenoriale a studenților de la inginerie și arhitectură prin crearea unei rețele de centre de pregătire în antreprenoriat,* POCU /379/6/21, 2020
3. Proiect „*SMARTER – Susținerea Mediului Antreprenorial din Romania prin Tactici Economice,Regionale*" Cod MySMIS – 82/3/7/106188, Programul Operațional Capital Uman (POCU) 2014-2020, 2018
4. *Tehnologii performante pentru obtinerea de structuri 3D cu aplicatii in securitate*, PNCDI II Bridge- 46BG_2016, 2016-2018, 466 000 lei, Director proiect Prof. dr ing. Liliana Rosemarie Manea
5. "*De la teorie la practică*" – POSDRU/90/2.1/S/60423, expert pe termen scurt
6. *Sisteme inteligente pentru monitorizarea la distanta a proceselor de recuperare bazate pe FES-ARMS*, PN II Parteneriat 71-095/2007, 707 884 lei
7. *Tehnologii inovative de obtinere a nanofibrelor prin sistem computerizat de electrofilare-ELECTROSPIN*, PN II Parteneriat 71-003/2007, 450112 lei,
8. *Cresterea vizibilitatii internationale a cercetarii din domeniul agilitatii designului produselor textile si confectiilor in contextul integrarii in programe europene si internationale*, CEEX 54/2006, 198 900 lei
9. *Sistem decizional multicriterial si instrumente inteligente destinate dobandirii de avantaj competitiv durabil pe piete turbulente in industria de textile si confecti*, CEEX 210/2006, 687 952,80 lei
10. *Cercetari exploratorii privind crearea si dezvoltarea interferentei consumator-produs de incaltaminte in vederea realizarii rapide a prototipurilor*, CEEX 106/2006, 838 350 lei

11. *Sisteme computerizate de filare si separare activate cu ultrasunete si controlate cu biosenzori pentru procese textile*, CEEX 77/2006, 620000 lei
12. *Retea nationala de excelenta in domeniul micro-nano biotehnologiilor si materialelor textile pentru aplicatii medicale* CEEX 181/2006, 110000 lei
13. *Consultanţă privind managementul marketingului pentru Enciclopaedia Britannica*, CETEX nr. 5550/2000, Contract Universitatea Tehnică "Gh Asachi" Iaşi
14. *Studiu pentru reorganizarea S.C. Nicolina S.A. Iaşi pe principiul centrelor de profit in vederea cresterii performantelor economice*, contract Polytech, Agent economic 10563/2006, 28131201 ROL
15. *Modele, elemente metodologice si tehnice de realizare a sistemelor flexibile de asamblare prin evaluarea si selectia gamelor de asamblare multiple*, Grant MEN 37/1998, tema 52, 40 000 000 ROL
16. *Modele, elemente metodologice si tehnice de realizare a sistemelor flexibile de asamblare prin evaluarea si selectia gamelor de asamblare multiple*, Grant MEN 34280/1999, tema 11, 47500000 ROL
17. *Metoda si instalatii pentru fundamentarea normativelor de timp pe cm*, Grant M.C.T. nr. 1050 B4/2003 (7697/2003), 650000 ROL
18. *Studiu de creştere a productivităţii muncii la S.C. Siretul Paşcani S.A*, Contract CETEX
19. *Regional Training Center for Public Administration* - RTC-PAD, TEMPUS IB JEP - 14085 – 99
20. *Studiu pentru reorganizarea S.C. INCOV S.A. Alba Iulia pe principiul centrelor de profit in vederea creşterii performantelor economice*, Contract Polyteh U.T. Iaşi / CETEX Nr. 18931/15.12.1997
21. *Analiza diagnostic a S.C. MOLDOTEX Huşi*, Contract Polyteh U.T. Iaşi, Nr. 8/1993

L. Premii, distincţii.

1. Premiul AGIR 2004 pentru Manualul inginerului textilist, coautor
2. PN-II-RU-ABIL-2015-2 / PN-II-RU-ABIL-2015-2-0085 - Premierea abilitării, 2015
3. PN-III-P1-1.1- PRECISI-2016- 10838, *Preserving and Improving the Safety and Health at Work: Case of Hamma Bouziane Cement Plant (Algeria)*, premiere articol zona roșie
4. Silver Medal, EUROINVENT, AOSR / Entrerpise Management through Break-Even Points, 2023
5. Silver Medal, EUROINVENT, AOSR / Entrerpise, Management through Break-Even Points, 2023

M. Alte realizări semnificative.

1. Conducător de doctorat în domeniul ”Inginerie și management” din anul 2015 (4 teze finalizate, 8 doctoranzi în stagiu);
2. Conducător de doctorat în co-tutelă din anul 2004, Universitatea ”Freres Mentouri” Constantine, Algeria (3 teze finalizate, doi doctoranzi în stagiu);
3. Profesor invitat, în programele de studii post-universitate e-learning «Gestion de Production», «Maintenance et Production» și «Gestion de la Maintenance lndustrielle», Universitatea Henri Poincaré Nancy I / Universitatea Lorraine (Franța), din anul 2005.
4. Profesor asociat în programele de licență și de master ”Managementul Mentenanței industriale”, Universitatea Henri Poincaré Nancy I / Universitatea Lorraine (Franța), 2000-2003.

Data: 18.02.2026 Semnătura,

Prof. dr. abilitat ing. Ion VERZEA

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

A. Teza de doctorat.

A1. **"***Cercetări și contribuții privind optimizarea siguranței în funcționare pentru susținerea strategiilor de producție-calitate"***,** Universitatea Tehnică „Gh. Asachi" din Iași, domeniul „Inginerie si Management", conducator de doctorat: prof. univ. dr. abilitat ing. Ion Vezea, **titlul științific de doctor oferit prin Ordinul Ministrului Educației Naționale nr. 5474 din 14.11.2018.**

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

B1. Adrian Vîlcu, Raluca Petronela Lăzărescu (2025), Neuro-fuzzy modelling for assessing green behaviour in higher education, ISBN9781003518990, CRC Press Taylor & Francis Group, Boca Raton, Florida, SUA.
B2. Nicoleta-Mihaela Căsăneanu (DASCĂLU), Adrian Vîlcu, Laura Crina Mirăuțe (COCA) and Ema Alexa, An innovative concept for an eco-friendly sustainable approach within organisations: Digital Green Lean Six Sigma, ISBN9781003518990, CRC Press Taylor & Francis Group, Boca Raton, Florida, SUA.
B3. Ionut Herghiligiu, Adrian Vilcu and Marius Pislaru (2019), Implementation of a new technology based on Monte-Carlo simulation in the field of sustainable dependability in operation, Journal Innovation in Sustainable Management and Entrepreneurship: 2019 International Symposium in Management (SIM2019), Pagina 333, Editor Springer Nature, Data publicării 2020/5/29, ISSN 2198-7246 ISSN 2198-7254 (electronic) Springer Proceedings in Business and Economics ISBN 978-3-030-44710-6 ISBN 978-3-030-44711-3 (eBook), 12 pag.
https://doi.org/10.1007/978-3-030-44711-3

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.
C1. A. Vîlcu, I. Verzea, C. Vîlcu (2026), Soft computing în practică – modele și metode de IA pentru aplicații în inginerie și management, Ed. Performantica, Iași

C2. I. Verzea, **A. Vîlcu** (2021), Managementul firmei prin praguri, Ed. Performatica, Iași

C3. Vîlcu Cătălin, **Vîlcu Adrian**, M. Caraiman, *Dicționar enciclopedic de textile-pielărie,* Ed. Performantica, ISBN 978-973-730-955-6, 534 pag., 2012.

C4. Brudaru Octav, Valmar B., Copăceanu Cintia, **Vîlcu Adrian**, *Algoritmi de optimizare pentru problemele de management*, Ed. Tehnopres, 2008, ISBN 978-702-572-5, 233 pag.

C5. Brudaru Octav, **Vîlcu Adrian,** *Microsoft word: utilizare și aplicații*, Ed. Tehnopres, Iași, ISBN 973-8048-33-8, 126 pag., 2000.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

D1. **Vîlcu Adrian**, Vîlcu Cătălin, *Pascal și C față în față*, Ed. Panfilius, 2002, ISBN 973-85895-4-1, 100 pag.

D2. Brudaru Octav, **Vîlcu Adrian**, *Microsoft Access – utilizare si aplicatii in inginerie economică*, Ed. Venus, ISBN 973-8174-83-X, 130 pag., 2002.

D3. Brudaru Octav**, Vîlcu Adrian,** Tiritelnicu Raluca**,** *Microsoft Excel – utilizare și aplicații în inginerie economică,* Ed. Venus, Iași, 2001, 149 pag., 2001.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

E1. **A. Vîlcu** (2023). Disciplină: Informatică aplicată I - îndrumar de laborator (partea 1), în format electronic, 50 pagini
https://edu.tuiasi.ro/pluginfile.php/189336/mod_resource/content/1/IA1%20-%20indrumar%20de%20laborator%20-%20partea%201.pdf

E2. **A. Vîlcu** (2023). Disciplină: Informatică aplicată I - îndrumar de laborator (partea 2), în format electronic, 49 pagini
https://edu.tuiasi.ro/pluginfile.php/189337/mod_resource/content/1/IA1%20-%20indrumar%20de%20laborator%20-%20partea%202.pdf

E3. **A. Vîlcu** (2022). Disciplină: Informatică aplicată II - îndrumar de laborator, în format electronic, 96 pagini
https://edu.tuiasi.ro/pluginfile.php/189343/mod_resource/content/1/IA2%20-%20indrumar%20de%20laborator.pdf

E4. **A. Vîlcu** (2022). Disciplină: Teoria probabilităților și statistică matematică - îndrumar de laborator, în format electronic, 200 pagini,
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E5. **A. Vîlcu** (2022). Disciplină: Baze de date în management - îndrumar de laborator, în format electronic, 32 pagini.
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G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

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J. Invenţii.

K. Contracte de cercetare.

K1. Grant ARUT nr. GNaC 2023_267 /2024 - Proiecte de cercetare pentru stimularea tinerilor cercetători din cadrul Universităţilor ARUT
Director proiect: *Hub de tehnici soft computing cu inteligență artificială pentru probleme de inginerie și management* (SOFIAHub), Perioada: 01.07.2024-30.08.2025
K2. 2014, Proiect cofinanţat din Fondul Social European prin Programul Operaţional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013
Axa prioritară 5 „Promovarea măsurilor active de ocupare"
Domeniul major de intervenţie 5.1. „Dezvoltarea şi implementarea măsurilor active de ocupare"
Codul proiectului: POSDRU/125/5.1/S/134003
Titlul proiectului: „Inserţie activa pe piaţa muncii prin FORmare profesionala inovativa in domeniul INGineriei – FORMING"
Beneficiar/Partener: Universitatea Tehnică Gheorghe Asachi din Iaşi
Numele şi prenumele expertului: Adrian VILCU
Poziţia în cadrul proiectului: Formator
Nr. şi tipul contractului:13378 /03.10.2014 - Contract individual de muncă (2 luni: iunie, iulie)
Categorie: Expert termen lung / Expert termen scurt
K3. Proiect PNCDI III nr. 27PFE /2021, Dezvoltarea Institutională a TUIASI prin cresterea vizibilității și a cercetării – COMPETE 2.0
Responsabil proiect nr. 3: Modele bazate pe inteligență artificială pentru ingineria și managementul mentenanței (MODEM)
Perioada: 01.08.2022-30.09.2023
K4. POSDRU/125/5.1/S/134003/ „Inserție activă pe piața muncii prin FORmare profesională inovativă în domeniul INGineriei – FORMING" (2014-2015)
Document justificativ: ReviSal, poziția 3 din tabelul „Contracte individuale de muncă salariat"
K5. Proiect PN II Inovare 282/2008, *Sisteme mecatronice alimentate din surse neconvenționale de energie pentru controlul activ al tehnologiilor textile, echipamantelor și componentelor specifice ale acestora,* director de proiect: prof. Lucian Hanganu (2009-2010)
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K6. Proiect PN II Parteneriate 42-123/2008, *Parteneriat național în domeniul sănătății orale privind prevenția consumului de tutun și abandonul fumatului. Premise ale integrării cercetătorilor din România în spațiul european de operare,* director de proiect: prof. Ungureanu Gheorghe (2009)
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K7. Proiect CEEX nr. 74 CEEX-II03/ 07.2006 *Grid academic pentru aplicatii complexe (GRAI)*, Facultatea de Automatica si Calculatoare, U. T. Iasi (2006-2008), director de proiect: prof. Craus Mitică (2006-2008)

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K8. Proiect CEEX nr. 76-5/2006, *Metode computationale de inalta performanta in modelarea si proiectarea materialelor nanomagnetice*, Institutul National de Cercetare Dezvoltare pentru Fizica Tehnica – IFT, director de proiect: prof. Agop Maricel (2006-2008)
Document justificativ: adeverință "Direcția Management și Monitorizare Proiecte"
K9. Proiect CEEX 205/2006, *Sisteme mecatronice mobile inteligente cu impact ecologic pentru echipamente textile,* director de proiect: prof. Lucian Hanganu (2006-2008)
Document justificativ: adeverință "Direcția Management și Monitorizare Proiecte"
K10. Proiect CERES nr. 29 din 12.11.2002, *Cercetări multidisciplinare în domeniul tehnologiilor informaționale bazate pe algoritmi genetici, rețele neuronale și sisteme fuzzy pentru inginerie și management*, director de proiect: prof. Octav Brudaru (2002-2004)
Document justificativ: adeverință "Direcția Management și Monitorizare Proiecte"
K11. Proiect Leonardo da Vinci, *Interactive courses,* REINDISTEL no. E/01/B/F/PP/ _115496 /1999/382/EC/ 26.04.1999, OJ – L 146 11106/1999, director de proiect: prof. Budei Luminița (1999-2002)
Document justificativ: adeverință "Direcția Management și Monitorizare Proiecte"

L. Premii, distincţii.

L1. EUROINVENT 2021 – Diploma of excellence
Ionut Viorel Herghiligiu, Ioan-Bogdan Robu, **Adrian Vilcu**, Marius Pislaru, *Business sustainability assessment operated to identify an associated profile*
L2. EUROINVENT 2021 – Gold medal
Adrian Vîlcu, Ionuț Herghiligiu, Bodan Robu, *Statistical model on technical system powered by artificial intelligence*
L3. EUROINVENT 2022 – Silver Medal
Adrian Vilcu, lonut Viorel Herghiligiu, loan-Bogdan Robu, *The importance of Monte Carlo - based technologies in operational management*
L4. EUROINVENT 2022 – Silver Medal
Roxana Dicu, George-Marian Aevoae, loan-Bogdan Robu, Viorel Herghiligiu, **Adrian Vilcu**, Christiana Brigitte Sandu, *The evolution of teleworking in the European Union based on fuzzy logic. Empirical evidence during the COVID 19 pandemic*
L5. EUROINVENT 2022 – Bronze Medal
loan-Bogdan Robu, Viorel Herghiligiu, Roxana Dicu George-Marian Aevoae, **Adrian Vilcu**, Cătălin Bălan, *Using fuzzy logic in energy sector M&AS, based on sustainability dimensions and audit opinion*
L6. EUROINVENT 2023 – Diplomă de excelență
Ștefana Cătălina Pohonțu, Ionuț Viorel Herghiligiu, **Adrian Vîlcu**, *Development of Organizational Innovation Capability by Delone and McClean Model*, EUROINVENT 2023, Iasi, Romania
L7. EUROINVENT 2023 – Medalia de bronz
Ionuț Viorel Herghiligiu, Ioan Bogdan Robu, **Adrian Vîlcu**, Marius Pîslaru, Larisa-Victoria Ivașcu, Cristina Maria Herghiligiu, *Organizational sustainability score – probability approach using fuzzy logic*, EUROINVENT 2023, Iasi, Romania
L8. EUROINVENT 2023 – Medalia de argint
Adrian VÎLCU, Ionut Viorel HERGHILIGIU, Ioan-Bogdan ROBU, Marius PÎSLARU, Ion VERZEA,Victoria-Larisa IVASCU, Cristina Maria HERGHILIGIU, *Technical resilience - models, metrics, methods and algorithms*, EUROINVENT 2023, Iasi, Romania
L9. EUROINVENT 2023 – Medalia de excelență în inovare
Georgiana Burlacu, Ioan-Bogdan ROBU, Ionut Viorel HERGHILIGIU, **Adrian VÎLCU**, *Fraud risk analysis and assesement in financial auditing under the Covid-19 influence*, EUROINVENT 2023, Iasi, Romania
L10. EUROINVENT 2023 – Medalie de bronz
I. Verzea, **A. Vîlcu** (2021), *Managementul firmei prin praguri*, Ed. Performatica,Iași,174 pp

M. Alte realizări semnificative.

Data 01.10.2025

* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Vornicu Silviu-Constantin

A. Teza de doctorat.

1. *Cercetări teoretice și experimentale privind caracterizarea expunerii umane la câmpuri electromagnetice de joasă frecvență*, 2024, Domeniul Inginerie electrică, Universitatea Tehnică „Gheorghe Asachi" din Iași, conducător doctorat: Prof. dr. ing. Alexandru Sălceanu

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Eduard Luncă, Bogdan Constantin Neagu, **Silviu Vornicu**, *Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines*, în volumul Numerical Methods for Energy Applications (editori: Naser Mahdavi Tabatabaei, Nicu Bizon), Editura Springer Cham, 2021, 27 pag., ISBN 978-3-030-62190-2.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. E. Lunca, **S. Vornicu**, A. Salceanu, *Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding*, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023, **FI 2023 – 2,5.**
2. A. Vilcu, E. Lunca, **S. Vornicu**, I.-V. Herghiligiu, C. Toporascu, *Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method*, Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023 (EBSCO, Ulrich's, Index Copernicus, Sciendo).
3. E. Lunca, **S. Vornicu**, A. Salceanu, O. Bejenaru, *2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines*, Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018 (SCOPUS, IOP Science).

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. A. Sălceanu, M. Temneanu, B. Giurcanu, C. Lăzărescu, **S. Vornicu** and S. Ursache, "Considerations on Experimental Determinations of the Specific Absorption Rate Data for a Multi-Band Mobile Phone," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 651-65
2. M-C. Moruz, **S-C. Vornicu**, P-C. Oprea and A. Sălceanu, "Evaluation of Disturbing Electromagnetic Emissions Produced by an Electrosurgery Unit," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 669-673
3. E. Lunca, **S. Vornicu**, A. Salceanu, *3-Axis Virtual Gaussmeter for Measurement and Advanced Characterization of the Magnetic Fields from Overhead Power Lines*, 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 551-555 (IEEE Xplore, SCOPUS).
4. M. Branzilă, S.A. Cîslariu, **S. Vornicu**, C. Brinzilă, *Sensory System Based on Intelligent Sensors for Implementation of a Modern Weather Station*, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4 (IEEE Xplore, SCOPUS).
5. E. Lunca, **S. Vornicu**, A. Salceanu, *Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields*, 25th IMEKO TC4 International Symposium and 23rd International Workshop on ADC Modelling and Testing (IMEKO TC-4 2022), Brescia, Italia, September 12-14, 2022, pp. 221-226 (SCOPUS).
6. E. Lunca, **S. Vornicu**, I. Pavel, M. Andrusca, *Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line*, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 719-722 (IEEE Xplore, SCOPUS).
7. S. Vornicu, E. Lunca, B.C. Neagu, F.C. Baiceanu, *Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration*, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 723-726 (IEEE Xplore, SCOPUS).
8. A. Salceanu, **S. Vornicu**, D.F. Bordeianu, C.D. Neagu, 2020, *Study Upon the Influence of Bundle Configurations on Corona Losses*, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6, (IEEE Xplore, SCOPUS).
9. A. Salceanu, **S. Vornicu**, E. Lunca, M. Istrate, *Influence of High Voltage Bundle Configurations on Human Exposure*, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS).
10. E. Lunca, **S. Vornicu**, C. Damian, *PC-Based Temperature and Humidity Recorder with USB Connectivity*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS).
11. **S. Vornicu**, E. Lunca, A. Salceanu, *ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS).

12. S. Ursache, E. Lunca, **S. Vornicu**, *DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC*, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS).
13. **S. Vornicu**, E. Lunca, A. Salceanu, *Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line*, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633 (Web of Science).
14. O. Bejenaru, C. Lazarescu, **S. Vornicu** and V. David, *Specific Absorption Rate Evaluation in Case of Exposure of the Human Body to Radiofrequency Electromagnetic Field Generated by Mobile Communications*, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 1004-1009 (Web of Science).

J. Invenții.

K. Contracte de cercetare.

L. Premii, distincții.

M. Alte realizări semnificative.

Data,
24.02.2026

Nume, semnătura
Vornicu Silviu-Constantin



* Conform H.G. 1175/ 2006

Anexa A 3.7 - Lista de lucrări cadre didactice

Lista de lucrări în domeniul de studii universitare de licență: Inginerie și Management *

Conf.dr.ing. **Mihai ALBU**

A. Teza de doctorat.- *Titlul şi anul susţinerii, specializarea, locul susţinerii*

Contribuţii la conducerea sistemelor de acţionari electrice cu turaţie redusă
Domeniu: Inginerie electrică, Locul susţinerii: Universitatea Tehnică „Gh. Asachi" Iaşi, 2.02.2001. Diplomă: Seria B, Nr.0004250, Eliberată de Ministerul Educaţiei Naţionale.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Livint Gh., Horga V., Ratoi M., **Albu M.**, *Control of Hybrid Electrical Vehicles*, pp. 41-67, capitol in cartea *ELECTRIC VEHICLES Modelling and Simulations,* Editata de Seref Soylu, Editura INTECH, 2011, ISBN 978-953-307-477-1, 26 pagini.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. **M. Albu**, *Electronică de putere* – vol I: *Noţiuni introductive, dispozitive, conversia statică alternativ-continuu a energiei electrice*, Casa de Editură "Venus" (Editură recunoscută CNCSIS), Iaşi, 2007, ISBN 973-756-003-5, 388 pagini.
2. **M. Albu,** M. Diaconescu, R. Bojoi**,** *Comanda semiconductoarelor de putere, convertoare statice cu comutaţie naturală – Îndrumar laborator electronică de putere*, Casa de Editură "Venus" (Editură recunoscută CNCSIS), Iaşi, 2008, ISBN 978-973-756-073-5, 234 pagini.
3. Gh. Livinţ, R.Gaiginschi, V.Horga, R.Drosescu, G.Chiriac, **M.Albu**, M.Răţoi, I.Damian, M.Petrescu, *Vehicule electrice hibride*, Casa de Editură "Venus" (Editură recunoscută CNCSIS), Iaşi, 2006, 535 pagini, ISBN 973-756-002-7.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. **M. Albu** – *Îndrumar laborator electronică de putere*, publicat pe pagină web: www.euedia.tuiasi.ro/ep_lab, 24 lucrări laborator, 430 pagini, actualizat 2024.
2. **M. Albu** – *Convertoare statice de putere I*, suport curs încărcat pe platforma Microsoft Teams, 2021, 106 pagini.
3. **M. Albu** – *Convertoare statice de putere II*, suport curs încărcat pe platforma Microsoft Teams, 2021, 78 pagini.
4. **M. Albu** – *Sisteme electronice de putere*, suport curs încărcat pe platforma Microsoft Teams, 2021, 113 pagini.
5. **M. Albu** – *Acționări electrice I*, suport curs încărcat pe platforma Microsoft Teams, 2022, 145 pagini.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale

1. Gh.Livinţ, V.Horga, D. Sticea, M.Răţoi and **M.Albu**, *Hybrid Electric Vehicle Model with CAN Network Real time Control*, Advances in Electrical and Computer Engineering, Nr.2, 2010, ISSN:1582-7445, pp.102-107 (**Indexat Web of Science, Scopus**).
2. V.Horga, D.Lucache, M.Răţoi, A. Simion, **M.Albu**, *Control of an Interior PM Synchronous Machine for Operating as Integrated Starter-Generator*, în Matematical Methods and Computational Techniques in Research an Education, Ed. WSEAS Press (www.wseas.org), ISBN: 978-960-6766-02-2, ISSN: 1790-5117, pp. 194-199.
3. Horga, V., Lucache, D., Răţoi, M., Simion, A., Albu, M., *Robust Control Strategy to Parameter Variations for an Interior PM Synchronous Machine*, WSEAS Transactions on Systems and Control, 3(5), pp. 453-462, 2008, (**Indexat Scopus**).
4. Gh. Livinţ, V.Horga**, M. Albu**, M.Răţoi, *Evaluation of Control Algorithms for Hybrid Electric Vehicles*, WSEAS Transaction on Systems, Issue 1, Volume 6, January 2007, ISSN 1109-2777,pp.133-140, **(Indexat Inspec şi Compendex)**
5. V. Horga, **M. Albu**, M Răţoi and C. Boţan, *Autonmous Induction Generator Voltage Control*, WSEAS Transaction on Power Systems, Issue 5, Volume 1, May 2006, ISSN 1790-5060, pp.774-779. **(Indexat Inspec)**

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS

1. V.Horga, D.D.Lucache, **M.Albu**, *Grey-Box Direct Identification of PMBDC Electrical Machine Parameters Based on Continuous-Time Model*, Conferinţa Naţională de Acţionări Electrice, Ediţia a XVIII-a, Cluj-Napoca, 13-14 octombrie 2016 , Acta Electrotehnica 57 (2016).
2. Sticea D., Livint Gh., **Albu M**., *DC-DC Converter Structure for Energy Mangement on (Hybrid) Electric Vehicle*, Buletinul AGIR, Anul XVII, nr.4, octombrie-decembrie 2012, ISSN 1224-7928, pp.207-211 **(Indexat în Copernicus)**.
3. D. Sticea, Gh.Livinţ and **M.Albu,** *Design and Implementation of a Controller Area Network on a Hybrid Electric Vehicle Experimental Model*, Buletinul Institutului Politehnic Iaşi, Tomul LVII (LXI), Fasc.3, 2011, ISSN 1223-8139, pp.87-93.
4. Gh.Livinţ, V.Horga, D. Sticea, M.Răţoi and **M.Albu,** *Electrical Drive Systems Control on a Hybrid Electric Vehicle Model*, Buletinul Institutului Politehnic Iaşi, Tomul LVI (LX), Fasc.4, 2010, ISSN 1223-8139, pp.103-115. (**Indexat Copernicus**)
5. Gh.Livinţ, V.Horga, **M.Albu,** M.Răţoi, *Control Strategies for Hybrid Electric Vehicles*, Buletinul Institutului Politehnic Iaşi, Tomul LII (LVI), Fasc.5, 2006, ISSN:1223-8139, pp.553-562.
6. **M. Albu,** D. Lucache, M Răţoi, V. Horga, *Flexible Power MOSFET Topology for the Automotive DC-DC Converters Study*, Buletinul Institutului Politehnic Iaşi, 2005, Tomul LI(LV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.217-224.

7. Gh. Livint, V. Horga, M. Ratoi, D.D. Lucache and **M. Albu**, *Prototyping Station for Electric Drivers of HEVs,* Buletinul Institutului Politehnic Iaşi, 2005, Tomul LI(LV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.195-204.
8. Răţoi, M., Horga, V., **Albu, M.,** Diaconescu, M.P., *A DSP Implementation of DTC Method for Induction Motors,* Buletinul Institutului Politehnic Iaşi, 2004, Tomul L(LIV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.1077-1084.
9. **Albu, M.,** Foşalău, C., Brînzilă, M., *Programmed AC Source for the Simulation of the Line Voltage Disturbances*, Buletinul Institutului Politehnic Iaşi, 2004, Tomul L(LIV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp. 939-944.
10. Răţoi, M., Horga, V., **Albu, M.**, Diaconescu M.P., *Mechatronic Load With Regenerative Capability for Electrical Drives Testing*, Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. 5, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 215-220.
11. Horga, V., Răţoi, M., **Albu, M.**, Graur, I., *Emulator Control of Dynamic Characteristics of Mechanical Loads,* Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. C, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 227-234.
12. **Albu, M.**, Horga, V., Răţoi, M., Caba Simona, *Mechanical Loading System for the Electrical Drive Test Rigs,* Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. C, .Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp.221-226.
13. Onea Al., Horga, V., **Albu, M.,** Boţan, C., *Indirect Vector Control of Induction Motor with Floating Point DSP*, Buletinul Institutului Politehnic din Iaşi, 2002, Tomul XLVIII (LII), Fasc. 1-4, Automatică şi Calculatoare, pp. 88-98.
14. **Albu, M.,** Ratoi, M., *Low Speed Observer for Direct-Drive Systems,* Buletinul Institutului Politehnic Iaşi, 2000, Tomul XLVI (L), Fasc. 5, .Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 169-174.
15. **Albu**, **M.**, Simona Caba, *Torque and Speed Ripples in Low Speed Direct Drive*, Buletinul Institutului Politehnic Iaşi, 2000, Tomul XLVI(L), Fasc.5, Secţia Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp.266-273
16. **Albu, M,** Foşalău, C., Bojoi, R., *Torque and Speed Ripples in Low Speed Drive Systems with Induction Motor*, Buletinul Institutului Politehnic Iaşi, Tomul XLV(IL), Fasc.5B, Electr otehnică, Energetică, Electronică, ISSN 0258-9109, 1999, pp. 17-20 **(Indexat Inspec)**.
17. **Albu, M.,** Băluţă, Gh., *Torque and Speed Ripples in DC Low Speed Drive Systems,* Buletinul Institutului Politehnic Iaşi, Tomul XLV(IL), Fasc.5B, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1999, pp. 13-16 **(Indexat Inspec).**
18. Băluţă, Gh., Bojoi,_R., **Albu**, **M.**, *The Interfacing of Optical (Position) Encoder with Stepper Motors,* Development and Application System, D&AS, no. 09, ISSN 1222-7234, Suceava, 1998, pp. 235-240.
19. Graur, I., Taşcă, Gr., **Albu, M**., Mareş, A., Horga, V., Lucache, D., *Numerical Simulation of the Stabilized Functioning Regime of Some Electrical Drive Systems Used in Metallurgical Industry*, Buletinul Institutului Politehnic Iaşi, Tomul XLII (XLVI), fasc. 1-2, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1996, pp.129-136.

20. Graur, I., Taşcă, Gr., Graur, A., Taşcă, D., **Albu, M**., Mareş, M., Lucache, D., Horga, V., *Mathematical Model for Stabilized State of Electrical Drive Systems Used in Metallurgical Industry*, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 3-4 Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.137-143.
21. Diaconescu, M.P., Băluţă, Gh., **Albu, M**., Bojoi, R., *150W DC regulated Multi-Voltage Power Supply Dedicated to Electric Drives Control Microsystems,* Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 5. Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.715-719.
22. **Albu, M**., Diaconescu, M., Băluţă, Gh., Bojoi, R., Răţoi, M., *MOS GateDriver with Dedicated Integrated Circuits used for Driving a Half Bridge MOS Gate Semiconductor Power Device*, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 5. Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.721-727.

I.(a) Lucrări ştiinţifice publicate în volumele conferinţelor internaţionale

1. D.A. Sticea, G. Gabor, G. Chiriac, **M. Albu** and A. Brinzei, "*DC Motor Closed Loop Speed Control Using Rapid Control Prototyping*" 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 873-876, doi: 10.1109/SIELMEN67352.2025.11260740 (**Indexat IEEEXplore**).
2. Vasile Horga, Marcel Răţoi, **Mihai Albu**, Dorin Lucache, *Unified Complex Vector Current Controller for AC Machine Drives*, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0924 – 0931. (**Indexat IEEEXplore**).
3. Vladimir Berzan, Iurie Ermurachi, Dorin Lucache, **Mihai Albu**, *98.2% Efficiency, Low Cost, 6.6-kW AC/DC Converter for HEV/EV On-Board Charger*, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0791 – 0796. (**Indexat IEEEXplore**).
4. Daniel Sticea, **Mihai Albu**, Gabriel Chiriac, "*Laboratory board for studying the half-bridge power electronic converters*", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), pp. 506-511, DOI: 10.1109/SIELMEN.2017.8123380 50/3=16.66 (**Indexat IEEEXplore, Web of Science, Scopus**).
5. **Albu M**., Sticea D., Fosalau C. and Chiriac G., *Low-Cost Low-Power Microgrid with Photovoltaic Panels*, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 941-944, , DOI: 10.1109/ICEPE.2014.6970049 (**Indexat IEEEXplore, Web of Science, Scopus**)
6. Sticea D.**, Albu M**. and Livint Gh.,*The Bidirectional Power Exchange Using a DC/DC Converter with Coupled Inductances*, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 933-940, DOI: 10.1109/ICEPE.2014.6970048 (**Indexat IEEEXplore, Web of Science, Scopus**),
7. Sticea D., **Albu M.,** Livinţ Gh**.,** Horga V., and Răţoi M., *An automated manual transmision solution for a hybrid electrical vehicle model*, Proceedings of the 6th International Conference on Electrical and Power Engineering, Editura PIM, vol.2, pp.II-59–II-61, ISBN 978-606-13-0078-5, 28-30 October 2010, Iasi, Romania.
8. Livinţ Gh**.,** Horga V., Răţoi M., **Albu M.,** Chiriac G., *Implementing the CANopen protocol for the distributed control of a hybrid electric vehicle*, ELECTROMOTION 2009, The 8th

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I.(b) Lucrări publicate în volumele unor conferinţe naţionale

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K. Contracte de cercetare/granturi

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2. *Proiect de modernizare a Laboratorului de Acționări electrice, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată*, *TUIASI*, Contract nr.132/18.03.2022 încheiat între firma Borg Warner și SETIS (Societatea Absolvenților Facultății de Electrotehnică din Iași). Valoare: 100.000 lei (2022), Responsabil: Conf.dr.ing. Mihai ALBU.

3. *Reţele de distribuţie de curent continuu pentru aplicaţii industriale – DCNET*, Contract 194/07.2006 (Consorţiu) Val: 297.500 mil, Responsabil tema: Prof. dr.ing Mihaela ALBU – Facultatea de Inginerie Electrică – Bucureşti., Valoare UTI: 43.000RON/2008, Responsabil UTI: Prof.dr.ing. Corneliu BOŢAN.

4. *Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride*, Contract CEEX X2C28/2006, Valoare 350000/2008 din care 193700/2008 pentru UTI, na = 10, Director grant: Prof.dr.ing. Gh. Livint,

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6. *Metode avansate de control pentru eficientizarea producerii şi utilizării energiei*, Contract CEEX-MENER nr.603/2005 Valoare:192.500 RON/2007 pentru UTI, Director proiect: Prof.dr.ing. Corneliu BOŢAN.

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8. *Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride,* Contract GR 80/23.05.2007, cod CNCSIS 528, Tema 30/2007, Valoare 60000RON/2007, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ.

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15. *Metode moderne de control aplicate sistemelor de acţionare electrică*, Contract nr. A1Gr 164/19.05.2006, Cod CNCSIS 471/2006, Tema 13, Valoare 20.000RON/2006, Director proiect: Prof.dr.ing. Corneliu BOŢAN
16. *Metode avansate de control pentru eficientizarea producerii şi utilizării energiei*, Contract CEEX-MENER nr.603/2005 Valoare: 244.200RON/2005 pentru UTI, Director proiect: Prof.dr.ing. Corneliu BOŢAN
17. *Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride,* Contract 27637/14.03.2005, Cod CNCSIS 528 Tema 33, Valoare 50000RON/2005, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ
18. *Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule,* Contract 27637/14.03.2005, cod CNCSIS 530, Tema 35/2005, Valoare : 28000RON/2005, Director proiect: Conf.dr.ing. Dorin Dumitru LUCACHE
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20. *Structuri avansate de conducere a acţionărilor electrice cu motoare pas cu pas*, Contract 34664/2005-T5, Cod CNCSIS 464/2005, Valoare 12.000RON/2005, Director proiect: Prof. dr.ing. Gheorghe BĂLUŢĂ.
21. *Structuri avansate de conducere a acţionărilor electrice cu motoare pas cu pas*, Contract 33371/2004 – T5, Cod CNCSIS 464/2004, Valoare 110 mil.ROL/2004, Director proiect: Prof. dr.ing. Gheorghe BĂLUŢĂ.

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23. *Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială*, Cod CNCSIS 406/2002, Valoare: 46 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION.
24. *Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME",* Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Cod CNCSIS 106/2002, Valoare: 50 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION.
25. *Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială,* Contract 35254/2001, cod CNCSIS 247/2001, Tema 43, Valoare: 42,4mil.ROL/2001, Director proiect: Prof.dr.ing. Alecsandru SIMION.
26. *Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME,* Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema A26/2001, Valoare: 57,4 mil.ROL/2001 - Director proiect: Prof.dr.ing. Alecsandru SIMION;
27. *Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME,* Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema B23/2000, Valoare: 37,700 mil.ROL/2000, Director proiect: Prof.dr.ing. Alecsandru SIMION.
28. *O nouă calitate în pregătirea practică a studenţilor folosind laboratoare multifuncţionale de electrotehnică* – Program multiinstituţional în colaborare cu Universitatea Tehnică Cluj-Napoca, GRANT CNFIS 98/1997 **(**finanţat de CNFIS şi Banca Mondială), Proiect de Iniţiere Program - PIP realizat în 1998/1999 etapa I, Valoare: 24400USD =216,550 mil.ROL/1998 , Director proiect: Prof.dr.ing. Alecsandru SIMION, 18 membrii în echipă având cote egale (1USD = 8875 ROL în 1998).
29. *Cercetări privind noi posibilităţi de comandă cu şi fără traductor incremental (de poziţie) pentru motoarele pas cu pas*.Contract de cercetare nr. 5002, Grant 597/1996, Tema 65, Beneficiar: C.N.C.S.U. şi Ministerul Învăţământului, Valoare: 3 mil.ROL/1996, Director proiect: Prof.dr.ing. Mircea Paul DIACONESCU.
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31. *Studii şi cercetări experimentale pentru raţionalizarea consumrilor de energie în secţia de Finisaj la S.C. Integrata S.A. Paşcani.* Contract nr. 666/95-96. Beneficiar: S.C. Integrata Paşcani S.A., Valoare: 2,360 mil.ROL/1995, Responsabil contract: Şef lucr. Grigore TAŞCĂ

Februarie 2026 Conf.dr.ing. Mihai ALBU



Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**
Domeniul de licență: **INGINERIE MANAGEMENT**
Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Budeanu Catalin Ioan

A. Teza de doctorat.

-

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Herghiligiu I.V., Pislaru M., Pohontu-Dragomir S.C., **Budeanu I.C.**, *Role of Digitalization in Organizational Sustainability*, capitol 2 în Green Intelligence: Carbon Footprint Assessment in Digital Economy, Editori: Ivascu L., Pislaru M., Sarfraz M., CRC Press, Taylor & Francis Group, Boca Raton – London – New York, 2025, 17-30. DOI: 10.1201/9781003518990-2. ISBN: 978-1-032-84012-3.

Pohontu-Dragomir S.C., Herghiligiu I.V., Pislaru M., Lazarescu R. P., **Budeanu I.C.**, *Enhanced Model for Evaluating the Information Systems Success from the Sustainability Management Perspective,* capitol 5 în Green Intelligence: Carbon Footprint Assessment in Digital Economy, Editori: Ivascu L., Pislaru M., Sarfraz M., CRC Press, Taylor & Francis Group, Boca Raton – London – New York, 2025, 57-73. DOI: 10.1201/9781003518990-2. ISBN: 978-1-032-84012-3.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

-

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

-

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

Pohontu-Dragomir S.C., Cojocaru M., **Budeanu C.I.**, Herghiligiu I.V., *Model development for measuring the Information System success and implicitly the organizational sustainability with the help of Artificial Intelligence*, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iași, Secția Știința și Ingineria Materialelor, 70(74), 1-4, 124-139, 2024.

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Vîlcu A., Herghiligiu I.V., Gherasim L., Pohonțu-Dragomir Ș.C., **Budeanu C.I.,** Dascălu N.M., *From Consumer to* Prosumer*: A Quantitative Study of Solar Energy Integration in Northeastern Romania*, Proceedings of the 9th International Symposium "Technical Textiles - Present and Future" (TTPF2025), Iași, Romania, 296-303, 2026. (Paradigm).

ISBN: 978-83-68412-08-6

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https://reference-global.com/book/9788368412086

Herghiligiu I.V., Loghin E.C., Pohontu-Dragomir S.C., **Budeanu C.I.,** *Artificial* Intelligence *and Organizational Sustainability: Neural Network Modeling for Probability-Based Scoring*, Proceedings of the International Conference on Business Excellence, 19(1), 3523-3537, 2025. WOS:001537765500043

https://doi.org/10.2478/picbe-2025-0269

https://www.webofscience.com/wos/woscc/full-record/WOS:001537765500043

Pohontu-Dragomir S.C., **Budeanu C.I.,** Herghiligiu I.V., *Information Systems and Knowledge Management: Theoretical Perspective of Associated Interconnection,* Proceedings of the International Conference on Business Excellence, 2025. WOS:001606985500001

https://www.webofscience.com/wos/woscc/full-record/WOS:001606985500001

G. Lucrări ştiinţifice publicate în reviste din străinătate.

-

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

-

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

-

J. Invenţii.

-

K. Contracte de cercetare.

-

L. Premii, distincţii.

Medalie de argint: *Organizational Sustainability: Neural Network Modeling for Probability-Based Scoring,* Herghiligiu I.V., Robu I.B., Vilcu A., Pislaru M., Ivascu L., Pohontu-Dragomir C.S., **Budeanu C.I.,** 17th European Exhibition of Creativity and Innovation, Iasi, Romania, 8-10 May 2025

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **Dumitru Dorin LUCACHE**

A. Teza de doctorat.

Studiul unui lagăr magnetic axial în construcție hibridă cu aplicație la sistemele inerțiale cu acumulare de energie, Universitatea Tehnică "Gh. Asachi" Iaşi, Facultatea de Electrotehnică, Ordinul Ministrului Educaţiei Naţionale, nr. 4911 / 02.11.2001

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

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C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

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D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

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E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

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I. Lucrări ştiinţifice publicate în volumele conferinţelor.

Volume ale conferințelor indexate ISI

1. M.A.Boukli Hackene, D. Lucache, „Installing PV Panels on a University Building: Comparison Between Two Different Climates", 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905832, pp. 1-6
2. G.C.Pintilie, A.T. Plesca, D. Lucache, „Thermal Analysis of Hybrid Tankless Heating System", 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905813, pp. 1-5
3. A.V.Rusu, D. Lucache, G. Livint, „Study Case for Illuminance Calculation for Footpaths", 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905919, pp. 1-6
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M. Alte realizări semnificative.

Data, Nume, semnătura

03.03.2026 Dumitru Dorin Lucache

* Conform H.G. 1175/ 2006

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Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Nume şi prenume : Pîslaru Marius

A. Teza de doctorat.

Titlul tezei: Contributii privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calitatii

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

1. Ivascu, L., Artene, A., **Pislaru, M.** (2026). Green Finance Strategies: Integrating Circular Economy Principles and Central Bank Policies for Sustainable Development, From the Edited Volume Climate Finance and Clean Energy - Global Trends, Challenges, and Opportunities in a Changing Landscape, DOI: 10.5772/intechopen.1013991

2. Ionuț Viorel Herghiligiu, Marius Pislaru, Stefana Catalina Pohonțu-Dragomir, Cătalin Ioan Budeanu (2025), *Role of Digitalization in Organizational Sustainability* Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed.). CRC Press. https://doi.org/10.1201/9781003518990

3. Ivascu L, Pislaru M and Alexa L (2025) Managing Digital Transformation Risks in the Context of Organizational Competitiveness. The Future of Risk Management [Working Title]. IntechOpen. Available at: http://dx.doi.org/10.5772/intechopen.1008536.

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5. Vlad, C.S., Mircea, I.I., Cisma, T., Ivascu, L., Pislaru, M. (2024). *A Sociological Approach to the Autonomous Vehicle Industry. Parameters of Social Structure.* In: Moldovan, L., Gligor, A. (eds) The 17th International Conference Interdisciplinarity in Engineering. Inter-ENG 2023. Lecture Notes in Networks and Systems, vol 926. Springer, Cham. https://doi.org/10.1007/978-3-031-54664-8_40

6. Karaeva, A., Tolkou, A.K., Kyzas, G.Z., Pîslaru, M. (2024). Determination of the Components of Sustainable Management for Energy Enterprises. In: Moldovan, L., Gligor, A. (eds) The 17th International Conference Interdisciplinarity in Engineering. Inter-ENG 2023. Lecture Notes in Networks and Systems, vol 928. Springer, Cham. https://doi.org/10.1007/978-3-031-54671-6_47

7. Alexa, L., **Pîslaru, M.,** Avasilcăi, S. (2022). *From Industry 4.0 to Industry 5.0—An Overview of European Union Enterprises*. In: Draghici, A., Ivascu, L. (eds) Sustainability and Innovation in Manufacturing Enterprises. Advances in Sustainability Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-16-7365-8_8

8. Herghiligiu I., Vilcu A., **Pislaru M.** (2020) *The Implementation of a New Technology Based on the Monte Carlo Simulation in the Field of Sustainable Dependability in Operation.* In: Prostean G., Lavios Villahoz J., Brancu L., Bakacsi G. (eds) Innovation in Sustainable Management and Entrepreneurship. SIM 2019. Springer Proceedings in Business and Economics. Springer, Cham, Pages 333-344, Print ISBN978-3-030-44710-6, Online ISBN978-3-030-44711-3.

9. **Pîslaru M.**, Avasilcăi S., Alexa L.E. (2019) *Fuzzy Modeling of Customized Solutions for Corporate Performance Assessment*. In: Bilgin M., Danis H., Demir E., Can U. (eds) Eurasian Business Perspectives. Eurasian Studies in Business and Economics, vol 10/1. Springer, Cham, pp.255-266, Print ISBN: 978-3-030-11871-6, Series Print ISSN: 2364-5067, DOI

10. **Pislaru M.,** Avasilcai S. (2013) *Neuro-Fuzzy Model Related To Job Assignation.* In: Sobh T., Elleithy K. (eds) Emerging Trends in Computing, Informatics, Systems Sciences, and Engineering. Lecture Notes in Electrical Engineering, vol 151. Springer, New York, NY, pp.927-935 Print ISBN: 978-1-4614-3557-0 Online ISBN 978-1-4614-3558-7 Series ISSN: 1876-1100

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. **Pîslaru M***., Cercetare Operațională* (2015) ,Ed. Performantica, Iași, ISBN 97606-685-232-6, 351 pag.
2. **Pîslaru M**., (2015) *Managementul Producției Electrice - Note de curs* Ed. Performantica, ISBN 978-606-685-236-4, 186 pg.
3. **Pîslaru M**., (2015) *Cercetare Operațională-Îndrumar de laborator*, Ed. Performantica, Iași, ISBN 978-606-685-234-0, 143 pg.
4. Pîslaru M., Schreiner C., Trandabăţ A.F. ,Cercetări privind utilizarea modelelor neuro-fuzzy în cadrul sistemelor de asigurare a calităţii 210 pg, Editura PIM ISBN 978-606-520-676-2; 2010
5. Trandabăţ A. F., Schreiner C., Pîslaru M., Cercetări privind utilizarea măsurărilor distribuite în cadrul sistemelor de asigurare a calităţii industriale, 201 pg, Editura PIM, ISBN 978-606-520-673-1 ;2010
6. Condurache G., Pislaru M., Managementul productiei electrice –indrumar de laborator,126pag, Ed. Performantica ,Iasi, 2009 ISBN 978-973-730-665-4
7. A. Albut, D.C. Daianu, V.M. Firescu, R.P. Lazarescu, M. Pislaru, D. Popa, G. C. Puiu, M. Rotaru, I.M. Taucean Intrprinderea simulata :o metoda moderna de pregatire pentru instruirea studentilor- preanteam, 238 pag., Ed. Performantica, Iasi 2006, ISBN (10) : 973-730-196-x, ISBN (13) :978-973-730-196-3

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. *Sustenabilitate si risc in afaceri – note de curs,* **Pîslaru Marius**, (format electronic) Universitatea Tehnică “Gheorghe Asachi” din Iași, domeniul de master – Inginerie și management
2. *Managementul inovarii – note de curs*, **Pislaru Marius** (format electronic) Universitatea Tehnică “Gheorghe Asachi” din Iași, domeniul de master si licenta– Inginerie și management
3. *Tehnici cantitative de luare a deciziilor manageriale – suport de curs*, **Pislaru Marius** (format electronic), Universitatea Tehnică “Gheorghe Asachi” din Iași, domeniul de master – Inginerie și management

https://edu.tuiasi.ro/course/view.php?id=4204

4. *Tehnici cantitative in management operational – suport de curs*, **Pislaru Marius** (format electronic), Universitatea Tehnică "Gheorghe Asachi" din Iași, domeniul de master – Inginerie și management
   https://edu.tuiasi.ro/course/view.php?id=4203
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7. *Managementul proiectelor*- suport de curs, , **Pislaru Marius** (format electronic), Universitatea Tehnică "Gheorghe Asachi" din Iași, domeniul de licenta – Inginerie și management

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

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3. Miraute Coca Laura-Crina, Căsăneanu Dascălu Nicoleta Mihaela, and Pîslaru Marius. (2025), "Wastewater Treatment and the Use of Nanoparticles, a Form of Circular Economy in the Pharmaceutical Industry". Proceedings of the International Conference on Business Excellence Bucharest University of Economic Studies, 19, no. 1: 5467-5478. https://doi.org/10.2478/picbe-2025-0417

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33. A.M Spiridonica, **M. Pislaru**, R.C Ciobanu *A Fuzzy Approach Regarding the Optimization of Statistical Process Control through Shewhart Control Charts*10th International Conference on Development and Application Systems, Suceava, Romania, May 27-29, 2010 ISSN:1844-5039, pp 59-62.

34. **M. Pislaru**, A. Trandabat , M. Olariu *Neuro fuzzy system for industrial processes fault diagnosis* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie 2007, Iasi, Romania,Volume II, pp 634-639 ISBN 978-973-667-260-6 (Baza de date in care a fost indexat : SCIRUS)

35. **M. Pislaru,** A. Trandabat, S Ursache *Fuzzy expert system for power quality assessment* 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation 18-22 Septembrie2007, Iasi, Romania, Volume II, pp 640-643 ISBN 978-973-667-260-6 6 (Baza de date in care a fost indexat : SCIRUS)

36. **M. Pîslaru**, C. Schreiner, A. Trandabăţ, *Fuzzy model for quality and sustainability assurance related to environmental protection* International Conference Protection and Restoration of the Environment PRE VIII 3-7 July, 2006, Chania , Greece Full paper Vol. B, pp. 933-938 ISSN 1106-5516 ISBN 960-7475-33-X , (Baza de date in care a fost indexat: SR-COSMOS)

37. A. Trandabat, **M. Pislaru**, C. Schreiner and R. Ciobanu *E-survey instruments based on remote measurements, dedicated to pelicular areas with increased risk for environment safety* Proceedings of the 9th International Conference on Environmental Science and Technology CEST Rhodes island, 1-3 September 2005, Volume B, pp. 933-938, ISBN 960-7475-33-x, ISSN 1106-5516, (Baza de date in care a fost indexat: SR-COSMOS)

38. **M. Pîslaru**, A. Trandabăţ**,** C. Schreiner, *Neuro-fuzzy surveilance for industrial process fault detection* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp.448-451, ISBN GEN:973-716-208-0
39. **M. Pîslaru**, A. Trandabăţ, C. Schreiner, P*ower quality monitoring using fuzzy expert system* The 8th International Conference of Development and Application Systems DAS'06 May 25-27, 2006, Suceava, Romania Volume 2, pp.87-90, ISBN GEN:973-716-208-0
40. **M.Pislaru**, A. Trandabaţ, C. Vârgă , *Internet based distributed methods in support of remote and colaborative design*, Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 378-382, ISBN 973-666-106-7
41. A., Trandabaţ, **M.,Pislaru**, R., Ciobanu, *Conceptual architecture for a virtual distributed internet laboratory in engineering field* ,Proceedings of the 7th International Conference on Development and Application Systems DAS'04 May 27-29, 2004, Suceava, Romania, pp. 383-390, ISBN 973-666-106-7

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

1. **M. Pislaru,** A. Trandabat, R. Burlacu, C. Bratescu, S. Aradoaie and M. Branzila *Internet based distributed methods in support of remote and collaborative design*, Proceedings of EPE 2008, Iasi, Romania, Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 4, pp 635-642, ISSN 1223-8139
2. **M. Pislaru**, A. Trandabat, I.Nica and S. Ursache *Fault diagnosis detection using a neuro-fuzzy system*, Proceedings of EPE 2008, Iasi, Romania, Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 3 , pp 31-36, ISSN 1223-8139
3. R. Rusei, M. **Pîslaru, R.** Ciobanu and D.Ciurea *Systems for industrial processes quality improvement* Proceedings of the 5th International Conference on Electrical and Power Engineering-EPE 2008 October 3-5; 2008, Iasi, Romania. Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 3, pag 461-466,ISSN: 1223-8139.
4. R. Rusei, **M. Pîslaru**, R. Ciobanu and D.Ciurea *Quality assurance management regarding engineering firm environment* IEEI 2008 - The Second International Symposium on the History of Electrical Engineering and of Ternary-Level Engineering Education October 3-5; 2008, Iasi, Romania. Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII)
5. **M. Pîslaru,** A. Trandabăţ, C. Schreiner *Automatic techniques for industrial process surveillance* 4th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14; 2006, Iasi, Romania , Romania.Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fascicol 5B pp 864-869, ISSN 1223-8139
6. **Pîslaru**, C. Schreiner, A. Trandabăţ, *Expert fuzzy model for quality and sustainability assurance related to environmental protection* 4th International Conference on Electrical and Power Engineering-EPE 2006 October 12-14; 2006, Iasi, Romania.Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fascicol 5B pp 858-863, ISSN 1223-813
7. **Pîslaru M**.; Trandabăţ A., Schreiner C. *Application of neuro-fuzzy algorithms for hydraulic systems fault* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iaşi, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 191 – 196, ISBN 1223-8139

8. **Pîslaru M**.; Trandabăţ A., Schreiner C. *FUZZY EXPERT SYSTEM FOR POWER QUALITY APPLICATIONS* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iaşi, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 197 – 202, ISBN 1223-813
9. Trandabăţ A., **Pîslaru M**., Ciobanu R. *VIRTUAL LABORATORY FOR POWER QUALITY ANALYSES* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iaşi, October 7-8; 2004 Iasi, Romania, Tomul L(LIV), Fasc. 5B, pp. 920-925, ISBN 1223-813
10. Trandabăţ A., **Pîslaru M**., Ciobanu R. *DISTRIBUTED MEASUREMENT SYSTEM FOR POWER QUALITY SUSTENANCE* Proceedings of the 3-rd International Conference on Electrical and Power Engineering-EPE 2004, Buletinul Institutului Politehnic din Iaşi, October 7-8; 2004 Iasi Romania, Tomul L(LIV), Fasc. 5B, pp. 914 – 919, ISBN 1223-8139

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

1. Rareș Trocan, Alexandra Coroian, Timea Cisma, Laura-Crina Coca, Marius Pislaru, Larisa Ivascu, Quality 4.0: automation learning in computer vision for quality control, The XXVII International Conference „Inventica 2023. Science of creativity", 22 iunie 2023, Iași, Romania. – în curs de indexare BDI

2. Coca L.C., Pislaru M., Exploring Innovative Methods among Students about the Concept of Sustainability, ENTRENOVA 14-16, September, 2023Hybrid & Dubrovnik, Croatia, pp.114-122, DOI: 10.54820/entrenova-2023-0012

3. Vilcu A., Palici A., Herghiligiu I.V., Pislaru M., Ionesi S.D., 17th International Symposium in Management. Reinventing Management in Turbulent Times, 20-21 octombrie 2023, Timisoara & Silagiu, Romania.

4. Miraute L.C., Pislaru M., Sustainability in the Global Pharmaceutical Industry from the Perspective of Several Researchers Inter-Eng 2023 Conference Proceedings - Volume 2, 5 - 6 October 2023, U.M.F.S.T., Târgu Mureş, Romania

5. Miraute L.C., Pislaru M., Challenges of sustainability assessment in the manufacturing Industry, Proceedings of the 8th international symposium „technical textiles - present and future" Edition 2023, pp264-269, DOI: 10.2478/9788367405355-040 (de urmarit BDI)

6. DASCĂLU N. M., PÎSLARU M. Lean six sigma and sustainability in textile industry: a systematic literature review, Proceedings of the 8th international symposium „technical textiles - present and future" Edition 2023, pp.250-263, DOI: 10.2478/9788367405355-039 (de urmarit BDI)

7. Herghiligiu, I.V., Aevoae G.M., Robu I.B., Pislaru M., Sustainable Decisions Associated to Mergers & Acquisitions in Energy Sector Using Fuzzy Logic, Conferința Națională Științifică a Academiei Oamenilor de Știință din România, Transformarea Digitală in Științe, 19-20 mai 2023, București, Romania.

8. 2. Vilcu A., Herghiligiu I.V., Verzea I., Pislaru M., Evaluation of technical resilience and its estimation by the least squares method, The 11th International Conference on Modern Manufacturing Technologies in Industrial Engineering, iunie 14-17, 2023, București, Romania.

9. 3. Vilcu A., Palici A., Herghiligiu I.V., Pislaru M., Ionesi S.D., 17th International Symposium in Management. Reinventing Management in Turbulent Times, 20-21 octombrie 2023, Timisoara & Silagiu, Romania.

10. Alexa, L., Avasilcăi, S., **Pislaru, M,** (2016) The Impact of Social Media on Fashion Industry, Proceedings of the 16th Romanian Textiles and Leather Conference CORTEP, 27-29 October 2016, Iasi, Romania, pp.442-446, ISSN 2285 – 5378.

11. Ciobanu R.C., Schreiner C., **Pislaru M.**, *Concept of ecosystem model for environmental security and application for sustainable management of toxic pollutants in central Asia*, International Workshop, 17-19 March, Almaty, Kazahstan, Proceedings NATO SfP-983931 Project, pg. 23-40, 2014.

12. Trandabat A., **Pislaru M.**, Branzila M., *SiadEnv-Environmental friendly E-Building energy management system* The 6th International Conference on Environmental Engineering and Management, Conference Abstracts Book, 1-4 September 2011, Balatonalmadi, Hungary, pp.229-230, ISBN:978-973-7645-85-2, Ecozone Publishing House- poster presentation

13. **Pislaru M.**, Trandabat A., *Sustainability assurance of environment using fuzzy model* The first International Conference on Environmental Management and Technologies ICEMT 2010 1-3 November Amman Iordania, poster Session

14. **Pislaru M.**, Trandabat A., Curteanu S., Piuleac C., *Fuzzy techniques for determination of environmental sustainability* International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF-01) 23-27 November 2010, Iasi, Romania, pag 58-59, ISSN 2069-2145- rezumat poster

J. Invenții.

K. Contracte de cercetare.

Proiecte de cercetare câștigate în calitate de director de proiect :

1. Proiect PD/CNCSIS RU_PD_627 Contract nr.51/2010 Suma aprobata: 88667 RON (1 iunie 2010 1EURO= 4.2282) Proiect PD/CNCSIS RU_PD_627 "**Dezvoltarea prin algoritmi neuro-fuzzy de solutii dedicate sistemelor de indicatori de masurare a performantei de mediu in vederea implementarii unor strategii pentru dezvoltare durabilă**", 2010-2012 Contract nr.51/2010 Valoare contract: 88667 RON=21004,05 € (1 Euro=4,2282 RON la 1.06.2010)
2. Grant TD/CNCSIS 60/2005 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calitatii industriale",** 2005-2007,Valoare contract: 29000 RON= 8007,29 (1€ = 3.6217 RON la 01.06.2005)
3. Grant TD/CNCSIS 100/2003 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calității",** 2003 - 2005, Valoare contract: 11250 RON= 2960,52 € (1 € = 3,8 RON la 01.06.2003)
4. Grant BD/CNCSIS 8/ 2003 **Contribuții privind utilizarea modelelor neuro-fuzzy in cadrul sistemelor de asigurare a calității",** 2003-2006, Valoare contract: 9933 RON = 2613,95 € (1 € = 3,8 RON la 01.06.2003)

Proiecte internationale- membru:

5. NATO SfP983931/2011 **Sustainable management of toxic pollutants in Central Asia: towards a Regional Ecosystem Model for environmental security**", acronim SUS-CAREM, 2011-2014
6. Leonardo da Vinci RO/2004/PL93117/TD **Întreprinderea simulată: o metodă modernă de pregătire pentru instruirea studenților-PRENTEAM**, 2006, Coordonator UTI

Proiecte nationale- membru:

1. Proiect - STAR - *Susținerea tinerilor pentru afaceri reușite*, Cod MySMIS – 829/6/13/142152, Programul Operațional Capital Uman (POCU) 2014-2020 Axa prioritară 6 – Educatie si competente
2. Granturi interne- *Grant pentru sustinerea capacitatii de publicare* GI/P11/2021 -Buget grant:45000. Nr. membri = 14

3. Proiect FDI-CNFIS-2021-0354 *RUNKup Dezvoltarea institutionala a TUIASI pentru cresterea relevantei internationale a activitatii de cercetare* Buget proiect: 433.276 RON. Nr. membri =18
4. Sustainable Entrepreneurship Summer School (SESS). Proiect nr. JAR2021_019 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement international Buget: 11300 RON. Nr. membri:6
5. *Educație și competențe Sustainable Entrepreneurship Summer School* (SESS). Proiect nr. JAR2020_018 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement international.
6. Project: *Molecularly imprinted nanofluidic biosensors for the detection of human derived proteins* Program : ERANET-MANUNET-III-MINaFBioS, Call name: P 3 - SP 3.2 - Proiecte ERA.NET Durata: 2020-2022, Project partners: Institutul national de cercetare - dezvoltare pentru fizica materialelor Bucuresti ; Universitatea Tehnică "Gheorghe Asachi" Iaşi; Intelectro Iaşi srl
7. Project: 4D printed flexible and stretchable energy harvesting devices based on innovative electrically tunable elastomers Program: COFUND-ERANET MANUNET III-4DPrintEN, Call name: P 3 - SP 3.2 - Proiecte ERA.NET – COFUND Durata 2019-2021, Project partners: INSTITUTUL NATIONAL DE CERCETARE - DEZVOLTARE PENTRU FIZICA MATERIALELOR BUCURESTI RA; ALL GREEN SRL; INTELECTRO IAŞI SRL
8. Project " Parteneriate pentru transfer de cunoştinţe în domeniul materialelor polimere folosite în ingineria biomedicală", acronim POINGBIO Partnerships for knowledge transfer in the field of polymer materials used in biomedical engineering Axa 1 Cercetare, dezvoltare tehnologică şi inovare (CDI) în sprijinul competitivităţii economice şi dezvoltării afacerilor, Acţiunea 1.2.3 Parteneriate pentru transfer de cunoştinţe" ID P_40_443, cod MySMIS:105689, Contract de finanţare nr. 86 / 08.09.2016 ; Ctr. subsidiar nr. 6353/25.09.2017//392/28.09.2017 (ID P_40_443, Contract no. 86/8.09.2016, SMIS 105689, cofinanced by the European Regional Development Fund by the Competitiveness Operational Programme 2014-2020, Axis 1 Research, Technological Development and Innovation in support of economic competitiveness and business development, Action 1.2.3 Knowledge Transfer Partnerships.") Durata proiect: 04.12.2017 - 03.12.2019; Valoare nerambursabil: 626568.8 lei, Cofinantare: 273431.2 lei
9. Proiect: SMARTER – Susținerea Mediului Antreprenorial din România prin Tactici Economice Regionale" POCU/82/3/7/106188, Proiectul este cofinanțat prin Programul Operațional Capital Uman 2014-2020 Axa prioritară 3 – Locuri de muncă pentru toți, Obiectivul tematic 8 – Promovarea unor locuri de muncă durabile și de calitate și sprijinirea mobilității lucrătorilor, Prioritatea de investiții 8.iii – Activități independente, antreprenoriat și înființare de întreprinderi, inclusiv a unor microîntreprinderi și a unor întreprinderi mici și mijlocii inovatoare, Obiectivul specific 3.7 – Creșterea ocupării prin susținerea întreprinde, Valoarea totală eligibilă: 11.123.069 lei, din care 11.047.248 lei reprezintă finanțare nerambursabilă. *Pozitia: formator dobandire competente antreprenoriale*
10. Proiect ROSE - ROSE 89/SGU/NC/I – Croiește-ți viitorul cu încredere la Facultatea de Design Industrial și Managementul Afacerilor – 2018-2021 Pozitia:
11. Program: PN-III-P2-2.1-PED-2016-0689, *Digital Innovation Model for Business Ecosystems from Creative Industries* - CRE@TIVE.BIZ, 2017-2018, contract nr. 210PED/2017, Perioada de implementare: 2017-2018, Suma: 475.000 RON – Pozitia: membru proiect.
12. Proiect POSDRU/160/2.1/S/138113 Tranziția de la școală la viața activă prin practică și crearea de întreprinderi simulate – SIMPRACT – coordonator CNIPMMR Bucuresti (2013 – 2015) Pozitia: *expert pe termen lung Simulare Afaceri,* Suma TUIASI: 909536 RON, Valoare totala: 17.384.209,71 RON, Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013;
13. POSDRU/89/1.5/S/57649 Performanţă prin postdoctorat pentru integrarea in aria europeană de cercetare (PERFORM-ERA) ID 57649, 2010-2013.
14. Program: PN-II-PT-PCCA-2013-4-1811 E-soluții de inovare prin implicarea proactivă a clienților în crearea de valoare pentru creșterea competitivității organizaționale(E-PICUS) 2014-2016, contract. 322/2014, Valoare UTI: 1.273.576 RON
15. Program PN-II-PT-PCCA-2011-32-0732 Produse software bazate pe algoritmi de inteligentă artificială cu aplicații în modelarea și optimizarea sistemelor chimice, (AISoftChim), No. 23/2012, 2012-2015

16. Proiect ID-2386, PNCDI II – Program IDEI, Dezvoltarea prin modelări neuro-fuzzy de soluții customizate pentru sisteme de indicatori de măsurare a performanței dedicate competitivității durabile a firmei industriale antreprenoriale, 2009 – 2011, Contract 770/2009, Valoare UTI: 353.650 RON

17. Proiect PNCDI II – Parteneriate in domeniile prioritare Tehnici de evaluare comparativa a calificarii universitare in Romania, 2007 – 2010, contract 91047/14.10.2007, Coordonator ASE Bucureşti - membru in echipa UTI

18. CORINT / CNMP 132/2007 Remote instrumentation in next-generation grids Valoare UTI 90160 RON

19. CEEX 46/2006 Ecrane pentru constructii speciale bazate pe structure CHIRAL-FAGURE Valoare UTI 550000 RON

20. PN II ERANET 7-014/2008 Nanocompozite polimerice conductive cu structura predefinita si proprietati dielectrice si EMC dedicate ecranarii si realizarii de panouri absorbante pentru cladiri speciale Valoare UTI 720000 RON

21. PN2 Parteneriate / CNMP nr. 91-069/2007 Parteneriat pentru cercetare de excelență în dezvoltarea aptitudinilor antreprenoriale și a capitalului uman competitiv în economia și societatea bazate pe cunoștere și inovare Valoare UTI 960000; Proiect Complex PC 3789, PNCDI II – Program Parteneriate in domeniile prioritare 9, 2007-2010;

22. PN2 Parteneriate / CNMP 51-015/14.09.2007 Metodologie dielectrică nedistructivă, neinvazivă, comparativă de detectare rapidă a ingredienților cu potențial factor de risc pentru sănătate din produsele alimentare. Valoare UTI 1050000 RON

23. CEEX M3 / CNMP 188/2006 Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul sistemelor virtuale si distribuite de design si management al cercetarii , Valoare UTI 110000 RON

24. CEEX M3 / CNMP 202/2006 Dezvoltarea parteneriatelor C/D prin includerea excelentei românești, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecție la radiații electomagneice în domeniul ghz Valoare UTI 150000.00

25. PN2 Idei / CNCSIS 320/2007 Spectroscopia dielectrica de banda larga, ca metoda comparativa, nedistructiva si neinvaziva de determinare a compusilor cu potential de risc din produsele alimentare

26. CORINT / CNMP 115/2006 Materiale inteligente tip chiral-fagure pentru aplicatii multisectoriale (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii speciale. Valoare UTI 659383 RON – nu sunt dovezi de plata

27. CEEX M1/ MATNANTECH 79/2006 Biocompozite obținute prin reciclarea deșeurilor de pet și utilizarea de derivaţi ligno-celulozici Valoare UTI 720000 RON – nu sunt dovezi de plata

28. CEEX M3 / CNMP 173/2006 FOOD-QUAL Dezvoltatea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și siguranței alimentelor Valoare UTI 150000 RON

29. CEEX M3 / CNMP, 179/2006 Dezvoltarea capacitătii de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și securității alimentelor, 200.000RON, 2006-2008.

L. Premii, distincții.

1. Medalie de argint: Organizational Sustainability: Neural Network Modeling for Probability-Based Scoring, Herghiligiu I.V., Robu I.B., Vilcu A., Pislaru M., Ivascu L., Pohontu-Dragomir C.S., Budeanu C.I., 17th European Exhibition of Creativity and Innovation, Iasi, Romania, 8-10 May 2025
2. Medalie de argint: Technical resilience - models, metrics, methods and algorithms, Vilcu A., Herghiligiu I.V., Robu I.B., Pislaru M., Verzea I., Ivascu L., Herghiligiu C.M., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.
3. Medalie de bronz: Organizational sustainability score – probability approach using fuzzy logic, Herghiligiu I.V., Robu I.B., Pislaru M., Ivascu L., Herghiligiu C.M., EUROIENVENT 2023, 11-13 mai, Iasi, Romania.

4. Diploma de excelenta: Business sustainability assessment operated to identify an associated profile, Ionut Viorel Herghiligiu, Ioan-Bogdan Robu, Adrian Vilcu, Marius Pislaru, EUROIENVENT 2021 - 13th European Exhibition of Creativity and Innovation, Iasi, Romania, 20-21 May 2021
5. Medalie de bronz : Eco-intelligent system for environmental sustainability assessment based on soft-computing techniques integrated framework. INTEL-ECO, EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018
6. Diploma de excelenta: Assessing sustainable development of the Romanian listed companies based on hierarchical fuzzy logic, EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018
7. Diploma de excelenta: Fractal design solutions for EMS integration in order to improve business performance, EUROINVENT, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 17-19 May 2018]
8. Medalie de argint: Environmental Fraud Risk assessment based on Fuzzy approach, EUROINVENT, 9th European Exhibition of Creativity and Innovation, Iasi, Romania, 25-27 May 2017
9. Medalie de argint: Fractal design: the ultimate state to improve EMS integration, EUROINVENT, 9th European Exhibition of Creativity and Innovation, Iasi, Romania, 25-27 May 2017
10. Diploma- prezentare seminar: Entrepreneurial education, and simulation of business models and administration of SMEs în cadrul International Training School: “Application of sensors networks in food industry, agriculture and medicine” Octombrie 2014 UTI.
11. Certificate for completing the *Entrepreneurial Mindshift for Educators program - An Online Approach to Help Your Students Think and Act More Entrepreneurially* – Babson Academy 2020.
12. Premierea rezultatelor cercetarii 2019 PN-III-P1-1.1-PRECISI-2019-38631,
13. Premierea rezultatelor cercetarii 2019 PN-III-P1-1.1-PRECISI-2019-40355
14. Premierea rezultatelor cercetarii 2020 PN-III-P1-1.1-PRECISI-2020-50451,
15. Premierea rezultatelor cercetarii 2020 PN-III-P1-1.1-PRECISI-2020-43808
16. Distincţie în cadrul colectivului de cercetare din Centrul de Cercetare de tip C „METROLOGIE ŞI SISTEME DE MĂSURARE” METROS Universitatea Tehnică „Gh. Asachi” Iaşi iunie 2005;

M. Alte realizări semnificative.

Data, Pislaru Marius

* Conform H.G. 1175/ 2006

Lista de lucrări în domeniul de studii universitare de licență Inginerie Energetică

Numele şi prenumele: **Damian Cătălin**

A. Teza de doctorat

1. **Cercetări privind tehnicile de măsurare cu procesare numerică de semnal**, Universitatea Tehnică "Gheorghe Asachi" din Iași, Domeniul Inginerie Electrică, conducător prof.dr.ing. Mihai Crețu, anul obținerii titlului: 2009

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS).

1. **C. Damian**, M. Ilinca, *Lucrări practice de programarea calculatoarelor. Limbajul C – aplicații*, ISBN 978-606-687-290-4, Editura Tehnopress, Iași, 2016
2. M. Ilinca, **C. Damian,** *Programarea calculatoarelor pentru ingineri. Limbajul C. Note de curs*, Editura Tehnopress, Iași, ISBN 978-606-687-289-8, 2016
3. G. Chiriac, R. Ilinca, **C. Damian**, T. Dumitriu, *Instrumente informatice fundamentale pentru ingineri*, Editura Tehnopress, Iasi, ISBN 978-606-687-070-2, 2014
4. **C. Damian**, Tehnici de procesare numerică a semnalelor în instrumentaţie, Editura Politehnium, Iaşi, ISBN: 978-973-621-320-5, 2011

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local

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5. **C. Damian,** D. Grosu, L. Alboaie, *Applying PrivateSky technologies regarding confidentiality in a wide spectrum of cloud based applications*, EPE 2020, pp. 1-4, Oct 22-23, 2020, Iasi, Romania - *conferinta ISI*

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6. Extinderea posibilitatilor de masurare continua on-line a parametrilor poluanti din apa si aer pentru un laborator de mediu, CEEX, 110/10.08.2006, 2006-2007, 2 ani, membru în echipa de cercetare
7. Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulara sau liniara, CEEX, 51/2006, 2006-2008, 3 ani, membru în echipa de cercetare
8. Remote instrumentation in next-generation grids, CEEX, 132/2007, 2007-2008, 2 ani, membru în echipa de cercetare
9. Dezvoltarea parteneriatelor c/d prin includerea excelentei romanesti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electomagneice in domeniul ghz, CEEX, 202/2006, 2006-2008, 3 ani, membru în echipa de cercetare

10. Ecrane pentru constructii speciale bazate pe structuri chiral-fagure, CEEX, 46/2006, 2006-2008, 3 ani, membru în echipa de cercetare
11. Sistem integrat de inspectie video-inteligenta a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii, CEEX, 57/2006, 2006-2008, 3 ani, membru în echipa de cercetare
12. Nanofire de oxizi metalici semiconductori magnetici diluati, Colborative CEEX, 1/2006, 2007-2008, 2 ani, membru în echipa de cercetare
13. Electrospining de inalta eficienta, Colborative PN II, 159/2012, 2012-2016, 5 ani, membru în echipa de cercetare
14. Dezvoltarea parteneriatelor C/D in vederea promovarii unor proiecte europene in domeniul sistemelor distribuite de monitorizare a mediului, CEEX, 201/2006, 2006-2008, 3 ani, membru în echipa de cercetare
15. Fotodetectori bazati pe nanofire multisegment, Colborative PN II, 11-060/2007, 2008-2010, 3 ani, membru în echipa de cercetare
16. Senzori bazati pe elemente de detectie nanometrice pentru aplicatii în nano-medicina, Colborative PN II, 12-109/2008, 2009-2011, 3 ani, membru în echipa de cercetare
17. Microsenzori acustici pe baza de nanofire magnetostrictive pentru aplicatii medicale, Colborative PN II, 14-114/2008, 2011-2011, 1 an, membru în echipa de cercetare
18. Microsenzori magnetici implantabili pentru aplicaţii medicale (MEDISENS), Colborative PN II, 12-110/2008, 2011-2011, 1 an, membru în echipa de cercetare
19. Microtraductoare cu elemente sensibile bazate pe nanofire magnetice, Colborative CEEX, 75-157/2008, 2009-2011, 3 ani, membru în echipa de cercetare
20. Nanofire multistrat cu structura de tip valva de spin. Proprietati de magnetorezistenta gigant., CNCSIS, 21/2005, 2006-2007, 2 ani, membru în echipa de cercetare
21. Sistem automat de iradiere a filmelor polimerice cu un numar prestabilit de ioni, CNCSIS, 164/2006, 80/2007, 2006-2007, 2 ani, membru în echipa de cercetare

L. Premii, distincţii.

M. Alte realizări semnificative.

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A N E X A 4 . 1

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA de Inginerie Electrică, Energetică și Informatică Aplicată
Departamentul de Electrotehnică
Conf. dr. ing. Aradoaei Sebastian Teodor

L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. Contribuţii privind analiza calităţii materialelor electroizolante prin metoda spectroscopiei dielectrice, conducător științific prof.dr.ing.Ciobanu Romeo Cristian, susținută public la data de 02.04.2009 în cadrul Universității Tehnice "Gheorghe Asachi" din Iași.

B. Cărţi si capitole în cărţi publicate în ultimii 10 anii

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6. Scarlatache Vlad-Andrei, **Aradoaei Sebastian**, Olariu Marius Andrei, Scarlatache Florina, Filip Tudor Alexandru, Simionescu Ramona, Electric Vehicle Architecture Modeling Based on MATLAB and SysML for Discrete and Continuous Simulation, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN **2023** – Proceedings 2023, 4/6 – pct. 0.66 doi.10.1109/SIELMEN59038.2023.10290735
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9. Bahrin Vasile, **Aradoaei Sebastian**, Anton Mihaita-Emanuel, Direct Current Motor Speed Adjustment Via Indirect Self-Adjusting Regulator, EPE 2022 - Proceedings of the **2022** 12th International Conference and Exposition on Electrical and Power Engineering, 4/3 – pct. 1,33, doi 10.1109/EPE56121.2022.9959768
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11. Vlad-Andrei Scarlatache, **Sebastian, Aradoaei**, Andrei Olariu Marius, Alexandru Filip Tudor, Florina Scarlatache, Gianina Gheorghian, Continuous Improvement in Education Based on Deming Model in Worldwide Context, EPE 2022 - Proceedings of the **2022** 12th International Conference and Exposition on Electrical and Power Engineering, 4/6 – pct. 0.66, doi 10.1109/EPE56121.2022.9959078
12. Aradoaei Mihaela, Lucaci Andreea Maria, **Aradoaei Sebastian Teodor**, Schreiner Cristina Mihaela, Nastasache Maria Madalina, Composites with Nano Conductive Channels Architecture Uniformly Distributed Through the Thickness of the Material and Oriented in the Magnetic Field, EPE 2022 - Proceedings of the **2022** 12th International Conference and

Exposition on Electrical and Power Engineering, 4/5 – pct. 0.80, doi 10.1109/EPE56121.2022.9959798

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14. Andrei Mona, Lucaci Andreea-Maria, Aradoaei Mihaela, **Teodor Aradoaei Sebastian**, Design of the nano / micro scale structure of nanostructured composites activable in the radio frequency/microwave range depending on the frequency of the electromagnetic field, SIELMEN **2021** - Proceedings of the 11th International Conference on Electromechanical and Energy Systems, 4/4 – pct. 1 doi 0.1109/SIELMEN53755.2021.9600282
15. **Aradoaei Sebastian**, Bahrin Vasile, Aradoaei Mihaela, Constantin Mirela Alina, Constantin Lucian Alexandru, Dielectric Spectroscopy Analysis of Composites Obtained from Thermoplastic with Feathers Flour, EPE 2020 - Proceedings of the **2020** 11th International Conference and Exposition on Electrical And Power Engineering, 4/5 – pct. 0.80 doi 10.1109/EPE50722.2020.9305582
16. Adascalitei, Adrian A, El-Din, Ashraf Salah El-Din Zein, **Aradoaei, Sebastian Teodor**, Temneanu, Marinel Costel, Istrate, Marcel Dumitru, The Blended Teaching and Learning Methods and the Implementation of Online Laboratories in Electrical and Computer Engineering Education Programs, Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL), Educating Engineers For Future Industrial Revolutions, ICL**2020**, VOL 2, 2022, volume 1329, pp.136-147, 4/5 – pct. 0.80, DOI10.1007/978-3-030-68201-9_14
17. Adascalitei, Adrian, **Aradoaiei, Sebastian**, Blended Teaching and Learning Solutions for Electrical Engineering Study Programs, **2019** International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Romania Electronic ISBN: 978-1-7281-4011-7/19/2019, 4/2 – pct. 2, WOS:000630287500076
18. Plopa Olga, **Aradoaei Sebastian-Teodor**, Ursan George-Andrei, A New PSpice Implementation of a Three-Phase Induction Machine Model, **2019** International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Romania Electronic ISBN: 978-1-7281-4011-7/19/2019, 4/3 – pct. 1,33, DOI10.1109/sielmen.2019.8905799
19. Adascalitei, Adrian, **Aradoaiei, Sebastian**, Temneanu, Marinel, El-Din Zein El-Din, Ashraf Salah Implement Online Laboratories in Electrical and Computer Engineering Education using Virtual Learning Environments, The 15 th International Scientific Conference eLearning and Software for Education Bucharest, eLSE, April 11-12, **2019** 10.12753/2066-026X-19-159, vol III, pp 162-170, 4/4 – pct. 1, DOI10.12753/2066-026X-19-159
20. Ashraf Salah El-Din Zein El-Din, Adrian Adăscăliței, Marinel Temneanu, **Sebastian Arădoaiei** Blended Learning Methodologies and ePedagogical Approaches Used in an Electrical and Computer Engineering Education Program Leading to International Accreditation, Proceedings of the 13th International Conference On Virtual Learning, ICVL **2018**, Oct. 26-28 Alba Iulia, pp.63-77, 4/4 – pct. 1, WOS:000471080200007
21. **Sebastian Arădoaiei**, Adrian Adăscăliței, Blended Learning Approach Applied to Electrical Engineering Courses, Proceedings of the 13th International Conference On Virtual Learning, ICVL **2018,** Oct. 26-28 Alba Iulia, pp.78-86.(Prim autor), 4/2 – pct. 2, WOS:000471080200008.
22. Bahrin V., **Arădoaei S**., Considerations on magnetic levitation realized with superconductive materials, 22nd IMEKO TC4 International Symposium and 20th International Workshop on

ADC Modelling and Testing **2017:** Supporting World Development Through Electrical and Electronic Measurements, 2017-September, pp. 508-511. 4/2 – pct. 2, https://www.imeko.org/index.php/proceedings/6915-considerations-on-magnetic-levitation-realized-with-superconductive-materials indexat Scopus

23. **Arădoaei S**., Andrei M., Ciobanu R., Moşneagu M., Bahrin V., Modeling the properties of bio-composites obtained from plastic and wood waste for building applications, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, **2017**-September, pp. 504-507. 4/5 – pct. 0,80, https://www.imeko.org/publications/tc4-2017/IMEKO-TC4-2017-099.pdf indexat Scopus
24. A.C.Curelaru, A.C. Macovei, **S. Aradoaei**, A.V. Coman, Realization of polymeric coatings in special electrochemical conditions based on electroactive polymer networks for supercapacitor purposes Electrical and Power Engineering (EPE), **2014** International Conference and Exposition Iasi, pp. 877-880, 2014, 4/4 – pct. 1, WOS:000353565300163

D. Lucrări publicate în ultimii 10 anii în reviste şi volume de conferinţe cu referenţi (neindexate)

E. Brevete obţinute în întreaga activitate

Data: 23.02.2026 **Semnătura:**

Conf. dr. ing. Aradoaei Sebastian Teodor



Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **Șef lucrări dr. ing. Adriana BUJOR**

A. Teza de doctorat.

Cercetări privind Antreprenoriatul în Industriile Creative, Universitatea Tehnică "Gheorghe Asachi" Iași, Facultatea de Design Industrial și Managementul Afacerilor, Domeniul Inginerie și Management. Conducător doctorat: Prof. univ. dr. ing. Silvia AVASILCĂI.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Capitol carte publicat în străinătate
Ca1. Avram, E., Avasilcai, S., **Bujor, A.** (2024). Corporate Social Performance: Towards a Unifying Framework in Innovation Ecosystems. In: Prostean, G.I., Lavios, J.J., Brancu, L., Şahin, F. (eds) Management, Innovation and Entrepreneurship in Challenging Global Times. Lecture Notes in Management and Industrial Engineering. Springer, Cham, pp 249-256 (8 pp.) https://doi.org/10.1007/978-3-031-47164-3_19 https://link.springer.com/chapter/10.1007/978-3-031-47164-3_19#citeas

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)
Ca2. Bujor, **A.**, Verzea, I. (2025), *Management*. ***Îndrumar Laborator,*** Editura Performantica 2025, ISBN 978-630-328-167-4
Ca3. Bujor, A., Avasilcăi, S. (2023), *Inovarea Deschisă în Industriile Creative*, Editura Performantica 2023, ISBN 978-630-328-038-7. 338 de pagini
Ca4. Bujor, A., Avasilcăi S. (2021), *Antreprenoriatul în Industriile Creative*, Ed. Performantica, Iași, 2021, ISBN 978-606-685-848-9. 283 pagini
Capitol curs/ manual publicat în editură recunoscută CNCS
Ca5. Bujor A. (2022), *Designul produselor și proceselor în antreprenoriatul creativ* cap. în Antreprenoriat Creativ, vol. I, coordinator volum Bujor, A., Editura Performantica 2022, ISBN 978-606-685-930-1, pp. 9-39
Ca6. Bujor A. (2021) *Industriile Creative și Inovarea Deschisă*, în Noii Industriași Creativi, Editura PostModernism Museum 2021, ISSN 2602-0211, pp. 398-405 (8 pg)
Ca7. Bujor A. (2016). *Studiu de caz BARILLA* cap. în Inovare prin Co-creare în era online, editori Avasilcăi, S., Huțu, C.A, pp. 87-115 (29 de pagini). Editura Performantica, Iași. ISBN 978-606-685-347-7.

Ca8. Bujor A. (2016). *Studiu de caz MULINO BIANCO* cap. în Inovare prin Co-creare în era online, editori Avasilcăi, S., Huțu, C.A, pp. 280-307 (27 de pagini). Ed. Performantica, Iași. ISBN 978-606-685-347-7.

D. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
-

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale.

Articol publicat în revistă cotată ISI, cu factor de impact

R1. Bujor, A., Avasilcăi, S., Avram, E. (2025), *Co-Innovation in Creative Industries: A Case Study Analysis,* Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering (ACTA), volume 67, no 3S, page 981-988, ISSN 1221-5872, WOS:001469721900011. IF: 0,2.

https://www.webofscience.com/wos/woscc/full-record/WOS:001469721900011

https://atna-mam.utcluj.ro/index.php/Acta/article/view/2573

R2. Avram, E., Balla, A., Taucean, I., Avasilcai, S., Gall, G.V., **Bujor, A.** (2025), *From business to digital ecosystems: exploring digital landscape of dynamic capabilities*, Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering (ACTA), volume 67, issue 2, page 179-188, ISSN 1221-5872, WOS:001398967500006. IF: 0,2.

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R3. Bujor, A., Avasilcăi, S. (2024), *Open Innovation in Creative Industries: a Case Study of an Italian Food Company*, Environmental Engineering and Management Journal (EEMJ), Volum 23, Nr. 1/2024, pp 211-219. ISSN 1582-9596 doi: 10.30638/eemj.2024.018. WOS:001235350200014. **IF: 0,9**.

https://www.webofscience.com/wos/woscc/full-record/WOS:001235350200014

http://www.eemj.icpm.tuiasi.ro/pdfs/vol23/no1/18_364_Bujor_23.pdf

R4. Bujor, A., Avasilcăi, S. (2024), *Open Innovation in Creative Industries. Development of a Conceptual Model*, Environmental Engineering and Management Journal (EEMJ), Volume 22, Issue 9, pp 1571-1580, ISSN 1582-9596 doi: 10.30638/eemj.2023.132. WOS:001141698600008. IF: **0,9**.

https://www.webofscience.com/wos/woscc/full-record/WOS:001141698600008

http://www.eemj.icpm.tuiasi.ro/pdfs/vol22/no9/8_363_Bujor_23.pdf

R5. Alexa, L., Pîslaru, M., Avasilcăi, S., Lucescu, L., **Bujor, A.**, Avram E. (2022), Exploring Romanian Engineering Students' Perceptions of Covid-19 Emergency e-Learning Situation. A Mixed-Method Case Study. *Electronic Journal of e-Learning*, 20(1), pp. 19-35. ISSN 1479-4403. doi: https://doi.org/10.34190/ejel.20.1.2190. WOS:000799107600002. IF: **1,05**.

https://www.webofscience.com/wos/woscc/full-record/WOS:000799107600002

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Articol publicat în revistă indexată în baze de date internaţionale (BDI)

R6. Dobranici, A.M., Avasilcăi S., **Bujor, A**., Bîrlădeanu, F., ORGANIZATIONAL STRUCTURE AND LEADERSHIP IN EDUCATIONAL INSTITUTIONS: A CASE STUDY OF A TECHNOLOGICAL HIGH SCHOOL. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 68, n. 2-3S, dec. 2025. ISSN 2393–2988. Available at: <**https://atna-mam.utcluj.ro/index.php/Acta/article/view/2872**>

R7. Bîrlădeanu, F., Avasilcăi S., **Bujor, A.**, Dobranici, A.M., FLEXIBLE WORKING STRUCTURES: A CONCEPTUAL FRAMEWORK. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 68, n. 2-3S, dec. 2025. ISSN 2393–2988. Available at: <**https://atna-mam.utcluj.ro/index.php/Acta/article/view/2871**>

R8. Dobranici (Dumitrescu), A. M., Avasilcăi, S., **Bujor, A.**, Bîrlădeanu, F. (2025), A Conceptual Framework For Motivation Of Teachers In Technological Pre-University Education. *Review Of Management And Economic Engineering*, *24*(2), 99–107. DOI: Https://Doi.Org/10.71235/Rmee.202 https://rmee.org/index.php/pub/article/view/202
R9. Bujor, A., Avasilcai, S. (2020), *Defining Creative Industries: concepts and approaches*, in Review of Management and Economic Engineering (RMEE), volume 19, no. 2 (76), ISSN (print): 1583-624X, ISSN (online): 2360-2155, DOI: 10.71235/rmee.158 https://www.rmee.org/index.php/pub/article/view/158?articlesBySimilarityPage=1
R10. Adriana BUJOR, Silvia AVASILCAI, Lidia ALEXA (2017), Co-creation in fashion industry: the case of Awaytomars. *Revista Annals of the Oradea University. Fascicle of Management and Technological Engineering*, ISSN 2501-5796. doi: 10.15660/AUOFMTE.2017-3.3295. https://imt.uoradea.ro/auo.fmte/files-2017-v3/Adriana%20BUJOR,%20Silvia%20AVASILCAI,%20Lidia%20ALEXA-CO-CREATION%20IN%20FASHION%20INDUSTRY-THE%20CASE%20OF%20AWAYTOMARS.pdf https://www.semanticscholar.org/paper/CO-CREATION-IN-FASHION-INDUSTRY%3A-THE-CASE-OF-Bujor-Avasilcai/eefb17e58a0d47a022f07d6a5b25d272190867a8
R11. Lidia ALEXA, Silvia AVASILCĂI, **Adriana BUJOR** (2017), An open innovation marketplace: The case of Innocentive. *Revista Annals of the Oradea University. Fascicle of Management and Technological Engineering*, ISBN: 978 – 606 – 10 – 1084 – 4, ISSN: 1583 –0691, B+, Vol. XXVI, nr. XVI, issue 3, pp. 1-4, ISSN 2501-5796. doi: 10.15660/AUOFMTE.2017-3.3298. https://imt.uoradea.ro/auo.fmte/article.detail.php?doi=10.15660/AUOFMTE.2017-3.3298 http://web.b.ebscohost.com/ehost/detail/detail?vid=0&sid=f3aba0a5-cb8c-4751-bb37-88ce769e22d7%40pdc-v-sessmgr05&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ%3d%3d#AN=127868108&db=aps https://scholar.google.com/citations?user=SK7yGYEAAAAJ&hl=en
R12. **Bujor, A.**, Avasilcai, S. (2016), Co-creation in Romanian consumer goods industry, *Annals of The Oradea University, Revista Fascicle of Management and Technological Engineering*, B+, vol. XXV (XV), no. 2, pp. 5-8, 2016, DOI: 10.15660/AUOFMTE.2016-2.3227 https://imt.uoradea.ro/auo.fmte/files-2016-v2/Bujor%20Adriana%20-%20CO-CREATION%20IN%20ROMANIAN%20CONSUMER%20GOODS%20INDUSTRY.pdf http://web.b.ebscohost.com/ehost/detail/detail?vid=0&sid=0c1a27d4-6a50-4557-9831-97e126a15fee%40pdc-v-sessmgr01&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ%3d%3d#AN=116834904&db=aps
R13. **Bujor, A.,** Avasilcai, S. (2015), Co-creation innovation in consumer goods industry: the case of Barilla Group (B), *Annals of The Oradea University, Fascicle of Management and Technological Engineering*, B+, Vol. XXIV, nr. XIV, issue 1, ISBN: 978 – 606 – 10 – 1084 – 4, ISSN: 1583 – 0691, **DOI:** 10.15660/AUOFMTE.2016-2.3227, pp 163-168, 2015 https://www.citefactor.org/article/index/82885/co-creation-innovation-in-consumer-goods-industry-the-case-of-barilla-group-b#.XhMculUza00
R14. **Bujor, A.**, Avasilcai, S. (2014), Co-creation innovation in consumer goods industry: the case of Barilla Group (A), *Annals of The Oradea University, Fascicle of Management and Technological Engineering*, B+, Vol. XXIII, nr. XIII, issue 3, ISBN: 978 – 606 – 10 – 1084 – 4, ISSN: 1583 – 0691, pp 1-6, 2014 https://imt.uoradea.ro/auo.fmte/files-2014-v3/Bujor%20Adriana-Avasilcai%20Silvia-CO-CREATION%20INNOVATION%20IN%20CONSUMER%20GOODS%20INDUSTRY,%20THE%20CASE%20OF%20BARILLA%20GROUP.pdf
R15. Bujor A., Avasilcai, S. (2014), Creative entrepreneurship in Europe: a framework of analysis, *Annals of The Oradea University, Fascicle of Management and Technological Engineering*, B+, Vol. XXIII, nr. XIII, issue 1, pp. 151 – 156, ISBN: 978 – 606 – 10 – 1084 4, ISSN: 1583 – 0691, 2014, https://imt.uoradea.ro/auo.fmte/files-2014-v1/Bujor%20Adriana-CREATIVE%20ENTREPRENEURSHIP%20IN%20EUROPE,%20A%20FRAMEWORK%20OF%20ANALYSIS.pdf

G. Lucrări ştiinţifice publicate în reviste din străinătate.

-

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

Articol/studiu publicat în volumul unei manifestări ştiinţifice indexate in baze de date internaţionale (BDI)
Articol/studiu publicat în volumul unei manifestări ştiinţifice indexate ISI Thomson Reuters, vizibile în baza de date
V1. Bujor, A., Avasilcăi, S., Huțu, C.A., Avram, E. (2020), The impact of open innovation on product development: innovation versus creative ecosystems (012085), *Modern Technologies in Industrial Engineering VII (Modtech2019),* vol. 591, pp 1-7, ISSN 1757-8981, DOI: 10.1088/1757-899X/591/1/012085, WOS: 000562929900085 https://www.webofscience.com/wos/woscc/full-record/WOS:000562929900085
V2. Galateanu (Avram), E., Avasilcăi, S., **Bujor, A**. (2019), Being a Keystone within Electromobility Ecosystem: Key features and competitive behaviors, *Proceedings of 6th Review of Management and Economic Engineering International Management Conference: Performance Management or Management Performance*, ISSN: 2247 – 8639, Todesco Publishing House, pp. 633 – 639, WOS:000471723700088 https://www.webofscience.com/wos/woscc/full-record/WOS:000471723700088
V3. Bujor, A., Avasilcăi, S., Galateanu Avram, E. (2019), Creative ecosystems model innovation via crowdsourcing modules, *Proceedings of 6th Review of Management and Economic Engineering 6th International Management Conference: Performance Management or Management Performance*, ISSN: 2247 – 8639, pp. 669-677, WOS: 000471723700093 https://www.webofscience.com/wos/woscc/full-record/WOS:000471723700093
V4. Avasilcăi, S., **Bujor, A.** (2019), Open Innovation in Creative Industries. Part II: The Case of Threadless, 062002, *Modtech International Conference - Modern Technologies in Industrial Engineering VI (Modtech 2018)*, DOI: 10.1088/1757-899X/400/6/062002, vol. 400, iss. 6, 1-7, 2018, WOS:000461147400144 https://www.webofscience.com/wos/woscc/full-record/WOS:000461147400144
V5. Bujor., A., Avasilcăi, S., *Open Innovation in Creative Industries. Part I: Innovation and Design* 062007, *Modtech International Conference - Modern Technologies in Industrial Engineering VI (Modtech 2018)*, DOI: 10.1088/1757-899X/400/6/062007, vol. 400, iss. 6, pp. 1-8, WOS:000461147400149 https://www.webofscience.com/wos/woscc/full-record/WOS:000461147400149
V6. Bujor, A., Avasilcai, S. (2016), Modern technologies and business performance in creative industries: a framework of analysis, 062001, *Modtech International Conference - Modern Technologies in Industrial Engineering IV PTS 1-7*, volume 145, DOI: http://dx.doi.org/10.1088/1757-899X/145/6/062001, WOS: 000396437600106 https://www.webofscience.com/wos/woscc/full-record/WOS:000396437600106
V7. Bujor, A., Avasilcai, S. (2016), The Creative Entrepreneur: A Framework of Analysis, *13th International Symposium in Management: Management During and After the Economic Crisis*, vol. 221, pp. 21-28, ISSN: 1877-0428, DOI: 10.1016/j.sbspro.2016.05.086, WOS:000381938100003 https://www.webofscience.com/wos/woscc/full-record/WOS:000381938100003
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V39. Bujor, A., Avasilcăi, S., *The Impact of Fashion Design to the European Union's Economy*, In: Proceedings of 16th Romanian Textiles and Leather Conference, 27-29 October 2016 Iasi, Ed. Performantica, ISSN-L 2285 – 5378, 2016
V40. Bujor, A., Avasilcai, S., *The entrepreneur and business management in creative industries*, Proceedings of 15th Romanian Textiles and Leather Conference, 4-6 Septembrie 2014, ISBN: 978 – 606 – 685 -174 – 9.

J. Invenţii.

-

K. Contracte de cercetare.

Participare la contracte de cercetare/granturi în calitate de membru în echipa de proiect:

Contracte la nivel internațional

2021 - Romanian – U.S. Fulbright Commission for Fulbright-Romanian American Foundation (RAF) Scholar Award. GRANT NUMBER: 756. **Director de proiect**. Valoare grant 19.850 USD (16,925.41 Euro la 18 nov 2021).

Contracte la nivel național

2025 - Contract cercetare agent economic nr. 31712 – AVVERO LENTI. Valoare 30.855 lei (6050 Euro). Director de proiect.

2025 – Proiect de cercetare "Centrul pentru Cercetare – Inovare în domeniul Textilelor și al Industriei Modei – SMART-TEX-IS", SMIS 334492, contract de finanțare 662/08.04.2025. Membru echipă de management și membru echipă implementare (Cercetător științific),

2023 - Proiect POCU/993/6/13/153437, Rețea de excelență în cercetare și inovare aplicativă pentru programele de studii doctorale și postdoctorale/InoHubDoc, Director de proiect (Contract de studii pentru "Bursa InoHubDoc Cercetător Postdoctoral" nr. 32491/14.09.2022)

2022 – Proiect de cercetare/finanţare tip Grant intern Top-down, nr. GI-TD-DigitAll-10/2022. *Centru pentru Antreprenoriat în sectorul digital* (CEASeD). 6 luni. Membru în echipa de implementare

2022 - SMIS 142152 – *Susținerea Tinerilor pentru afaceri reușite* (STAR). Contract de muncă nr. 22095 din 7.01.2022. 3 luni. Membru în echipa de implementare.

2021 - Sustainable Entrepreneurship Summer School (SESS). Proiect nr. JAR2021_014 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement Romania. Membru în echipa de implementare.

2020 - Sustainable Entrepreneurship Summer School (SESS). Proiect nr. JAR2020_018 derulat în cadrul programului Universitatea Antreprenorială, finanțat de Romanian-American Foundation prin Junior Achievement Romania. Membru în echipa de implementare.

2020-2021 Dezvoltarea culturii antreprenoriale a studenților de la inginerie și arhitectură prin crearea unei rețele de centre de pregătire în antreprenoriat-AntreprenorIng. Membru în echipa de implementare.

2017-2018 – PN-III-P2-2.1-PED-2016-0689, *Digital Innovation Model for Business Ecosystems from Creative Industries* - CRE@TIVE.BIZ**,** "Gheorghe Asachi" Technical University of Iasi.
2015 - Proiect PN-II-PT-PCCA-2013-4-1811 *"E-soluții de inovare prin implicarea pro-activa a clienților in crearea de valoare pentru creșterea competitivității organizaționale"* (E-PICUS), 2014-2016, contract nr. 322/2014, Membru în echipa de implementare.
2014-2015 Proiect SIMPRACT – Tranziția de la școală la viața activă prin practică și crearea de întreprinderi simulate", contract nr. POSDRU/160/2.1/S/138113, Tutore firmă simulată (aprilie 2014 – noiembrie 2015).
2014 - PN-II-PT-PCCA-2013-4-1811 - *E-soluții de inovare prin implicarea pro-activa a clienților in crearea de valoare pentru creșterea competitivității organizaționale* (E-PICUS). Contract nr. 322/2014. Asistent de cercetare științifică (oct 2014 – iulie 2016)
2011 - Proiect „Promovarea antreprenoriatului în domeniul industriilor creative", cofinanţat de FONDUL SOCIAL EUROPEAN, Programul Operaţional Sectorial Dezvoltarea Resurselor Umane 2007 – 2013, Axa prioritară „Creşterea adaptabilităţii lucrătorilor şi a întreprinderilor", Domeniul major de intervenţie 3.3." Promovarea culturii antreprenoriale", Contract nr. POSDRU/92/3.1/S/61490 (oct 2011 – ian 2014 = 2 ani și 4 luni).

L. Premii, distincţii.
-

M. Alte realizări semnificative.

Data, Septembrie 2025

Șef lucrări dr. ing. Adriana BUJOR



* Conform H.G. 1175/ 2006

Anexa A.3.7 - *Lista de lucrări cadre didactice*

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Facultatea: **INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**

Domeniul de licență: **INGINERIE MANAGEMENT**

Programul de studii de licență: **INGINERIE ECONOMICĂ ÎN DOMENIUL ELECTRIC, ELECTRONIC ŞI ENERGETIC**

Lista de lucrări în domeniul de studii universitare de licență

Numele şi prenumele: **BRĂNICI MARIUS**

A. Teza de doctorat.

„Finanțarea litigiului de către un terț în dreptul comerțului internațional", domeniul de doctorat Drept, Universitatea „Alexandru Ioan Cuza", Iași, teză susținută la data de 10.04.2025.

B. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

C. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

Brănici Marius (2026). *Finanțarea litigiului de către un terț în dreptul comerțului internațional*, Editura WOLTERS KLUWER, București, România (în curs de publicare)

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. Brănici, M. (2021). Factura- de la instrument de probă a unui act juridic la obiect material al acestuia. *Analele Științifice ale Universității „Alexandru Ioan Cuza" din Iași, Științe Juridice*, Tomul LXVII/1, 2021, pp. 75-87.
2. Brănici, M. (2020). Factoring online şi platforme de comercializare a facturilor. Redefinind viitorul tehnicilor de finanţare a comerţului. *Analele Științifice ale Universității „Alexandru Ioan Cuza" din Iași, Științe Juridice*, Tomul LXVI/SUPLIMENT, 2020, pp. 137-154.

G. Lucrări ştiinţifice publicate în reviste din străinătate.

H. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS.

I. Lucrări ştiinţifice publicate în volumele conferinţelor.

ISI Proceedings:

1. Brănici, M. (2020). The effect of upstream providers'fraudulent behaviour on deduction option*. Eufire 2020 - European Finance, Business and Regulation*, pp. 307-316.
2. Brănici, M. (2019). External traceability and VAT. A judicial approch*. Eufire 2019- European Union Financial Regulation and Administrative Area*, pp. 629-636.

BDI:

3. Brănici, M. (2024). Advantages and Disadvantages of Third Party Funding of Juridcal Proceeding. *Eufire 2024,* Editura Universității Alexandru Ioan Cuza Iași.
4. Brănici, M. (2023). Third Party Litigation Funding: Purchasing a contentous claim as a form of investmen. *Eufire 2023* - European Financiar Regulation, pp. 36-44.

J. Invenții.

K. Contracte de cercetare.

L. Premii, distincții.

M. Alte realizări semnificative.

Data, Nume, semnătura

Lect. dr. Brănici Marius

* Conform H.G. 1175/ 2006