

UNIVERSITATEA TEHNICĂ “GHEORGHE ASACHI” DIN IAȘI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE ELECTRICĂ
Programul de studii: SISTEME ELECTRICE

Rezultatele activității de cercetare desfășurate de personalul didactic și de cercetare (ultimii zece ani)

Nume și prenume cadru didactic/ cercetător științific (grad didactic, titlu științific)	Publicații în reviste de specialitate sau edituri din țară, ISI, BDI, comunicări științifice prezentate la sesiuni, simpozioane, seminarii etc. din țară și/ sau străinătate, contracte, expertiză, consultanță etc, pe bază de contracte sau convenții încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Prof.dr.ing. ARADOAEI S. Sebastian Teodor	<p>Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS</p> <p>Cb1. Aradoaei Sebastian Teodor, Aradoaei Mihaela, Realizarea biocompozitelor din materiale plastice și biomasă, Editura PIM Iași, 2023, ISBN 978-606-13-7817-3, 199 pagini,</p> <p>Cb2. Aradoaei Sebastian Teodor, Aradoaei Mihaela, Tehnologii inovative de reciclare și biocompozitare a materialelor din plastic și biomasă, Editura PIM Iași, 2023, ISBN 978-606-13-7816-6, 323 pagini,</p> <p>Cb3. 4. Sebastian-Teodor Aradoaei, Oana Asimincesei, Ghid pentru elaborarea capitolului lucrării de diploma cu privire la evaluarea potentialului de valorificare a produsului/tehnologiei sau serviciului proiectat/analizat într-o afacere, Capitolul 14 din volumul 3, Afaceri Digitale, Editura Performantica, Iasi, 2022 ISBN 978-606-685-932-5 –. 50 pagini</p> <p>Cb4. Mihaela Aradoaei, Ciobanu Cristian Romeo, Sebastian Teodor Aradoaei, Caracterizarea biocompozitelor reciclate cu destinația electrotehnică, Editura PIM, Iași, 2019, ISBN978-606-13-5040-7, 192 pagini</p> <p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <p>R1. Trandabat Alexandru Florentin, Ciobanu Romeo Cristian, Schreiner Oliver Daniel, Aradoaei Mihaela, Aradoaei Sebastian Teodor, Manufacturing of TiO₂, Al₂O₃ and Y₂O₃ Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors, Crystals Journal 2024, Volum 14, Issue 5, DOI:10.3390/cryst14050454, IF 2.4 (2023), WOS:001233493200001, (Revista),</p> <p>R2. Ciobanu Romeo C., Schreiner Cristina, Caramitu Alina R., Aradoaei Sebastian, Aradoaei Mihaela, Sustainability of the Technology for Obtaining Thermoplastic Building Materials from Non-Recyclable Mixed Plastic–Paper Packaging Waste, Sustainability Journal 2024, Volum 16, Issue 8, DOI: 10.3390/su16083430, WOS: 001210274700001.(Revista)</p> <p>R3. Aradoaei Sebastian, Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Mihaela, Ciobanu Romeo Cristian, A Sustainability Study upon Manufacturing Thermoplastic Building Materials by Integrating Chicken Feather Fibers with PlasticWaste, Sustainability Journal 2024, Volum 16, Issue 21, DOI: 10.3390/su16219243.</p>

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R4. Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Sebastian, Aradoaei Mihaela, Bratu Mihai, Vasile Ovidiu, Acoustic Properties of a New Composite Material Obtained from Feather Flour and Recycled Polypropylene, Revista de Materiale Plastice, 2022, vol.:58, pp. 84-93, impact factor: 0.782/2021, DOI10.37358/MP.21.4.5534, (Revista),

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V1. 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

V2. Aradoaei Mihaela, Schreiner Oliver, Alexa Ionel, Olteanu Alin, Pintilei Madalina Ancuta, Ciobanu Romeo Cristian, Aradoaei Sebastian, Simulating the Interaction of Electromagnetic Radiation with Matter, Within Nano/Micro-Conductive Composite, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023, 4/7 – pct. 0,57 – Proceedings 2023, doi.10.1109/SIELMEN59038.2023.10290731

V3. Aradoaei Mihaela, Schreiner Oliver, Lucaci Andreea Maria, Morosanu Vlad, Patrascu Georgiana, Saridache Adrian, Schreiner Cristina, Aradoaei Sebastian, Testing the Interaction of Electromagnetic Radiation with Nano/Micro-Conductive Composite Material, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023 – Proceedings 2023, 4/8 – pct. 0,50 doi.10.1109/SIELMEN59038.2023.10290788

V4. 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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V6. 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

V7. 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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V9. 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

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<p>Prof.dr.ing. BURLICA Radu</p>	<p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <p>R1 E. G. Acar, D. Doganoz, D. Çavdar, F. Karbancioglu-Guler, R. Burlica, D. Astanei, M.-A.Olariu, G. Gunes, Efficacy of Atmospheric Non-thermal Plasma Corona Discharge Under Dry and Wet Conditions on Decontamination of Food Packaging Film Surfaces, Packaging Technology and Science, vol. 37, issue 12, pp. 1121-1130, 2024, WOS: 001297514900001, factor de impact (2023) 2,8 – Q2.</p> <p>R2 M.A. Olariu, R. Herrero, D.G. Astanei, L. Jofré, J. Morentin, T.A. Filip, R. Burlica, Improving Printability of Polytetrafluoroethylene (PTFE) with the Help of Plasma Pre-Treatment, Polymers, vol. 15, issue 16, Art. number 3348, 2023, WOS: 001056759800001, factor de impact (2023) 4,7 – Q1.</p> <p>R3 S. Padureanu, R. Burlica, V. Stoleru, O. Beniuga, D. Dirlau, D.E. Cretu, D. Astanei, A. Patras, Non-Thermal Plasma-Activated Water: A Cytogenotoxic Potential on Triticum aestivum, Agronomy, vol 13, issue 2, Art. number 459, 2023, WOS: 000938080900001, factor de impact (2023) 3,3 – Q1.</p> <p>R4 A. Mandici, C. Rosu, R. Burlica, D.E. Cretu, D. Astanei, O. Beniuga, D.C. Topa, T.G. Aostacioaei, A. Miron, Effects of non-thermal plasma activated water and low temperature on wheat sprouts: a focus on photosynthetic pigments, protein and phenolic contents, antioxidant activity, antioxidant and prooxidant enzymes activity, Farmacia, Vol. 70 Issue 6, p1072-1080, 2022, WOS: 000969664100010, factor de impact (2023) 1,4 – Q4.</p> <p>R5 A. Mandici, D.E. Creţu, R. Burlică, D. Astanei, O. Beniugă, C. Roşu, D.C. Topa, T.G. Aostăcioaiei, A.C. Aprotosoai, A. Miron, Preliminary Study on the Impact of Non-Thermal Plasma Activated Water on the Quality of Triticum aestivum L. cv. Glosa Sprouts, Horticulturae, Vol. 8, issue 12, Art. number 1158, 2022, WOS: 000902486600001, factor de impact (2023) 3,1 – Q1.</p> <p>R6 R. Burlica, D.E. Creţu, O. Beniugă, D. Astanei, Nonthermal Plasma Multi-Reactor Scale-Up Using Pulse Capacitive Power Supplies, Applied Sciences – Basel, vol. 12, issue 20, Art. number 10403, 2022, WOS: 000872282100001, factor de impact (2023) 2,5 – Q1.</p> <p>R7 I. Stoica, R.M. Albu, C. Hulubei, D. Astanei, R. Burlica, G.A.M. Mersal, T.A.S. Elnasr, A.I. Barzic, A.Y. Elnaggar, A New Texturing Approach of a Polyimide Shielding Cover for Enhanced Light Propagation in Photovoltaic Devices, Nanomaterials, vol. 12, issue 18, Art. number 3249, 2022, WOS:</p>

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R10 R. Burlică, D. Astanei, D.E. Cretu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, Non-thermal plasma T-shaped reactor for activated water production, *Environmental Engineering and Management Journal*, vol. 20, issue 3, pp. 397-404, 2021, WOS:000637746900009, factor de impact (2023) 0,9 – Q4.

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B4 Cerere de brevet de invenție – R. Burlică, D. Astanei, O. Beniugă, D.E. Crețu, C.C. Rusu, Dispozitiv cu plasma non-termica DBD-Corona pentru tratamentul substraturilor polimerice destinate ambalarii produselor alimentare, Cerere de brevet nr. RO137958(A2) / 2022.

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V3 O. C. Beniugă, C. R. Beniugă, D. G. Astanei, R. Burlică, Thermostat Behavior Analysis in Smart Home Environment Using Petri Nets, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 390-393, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758167

V4 B. Pingescu, D. Astanei, R. Burlică, V.D. Asmarandei, O.B. Beniugă, V. Gheorghe, Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 632-635, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758134

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V17 D. Astanei, D. Crețu, R. Burlică, ID Dirau, O. Beniugă, S. Pellerin, M. Wartel, Voltage Polarity Influence on NTP Energy Efficiency of Point-to-Point Reactor, proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 263, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500116

V18 D. Astanei, R. Burlică, D. Crețu, ID Dirau, G. Urmă, B. Hnatiuc, Capacitive Power Supply for Double Spark Plug Ignition System, proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 264, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500035

V19 O. Beniugă, I.D. Dirlău, D. Astanei, R. Burlică, Electromagnetic field radiation generated by pulsed non-thermal plasma discharge, proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900065

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V6. Alexandru Trandabat, Alexandru Arcire, Romeo Cristian Ciobanu, Olga Plopa, Mihaela Aradoaei, Alin Olteanu, Mosneagu Andrei Adriana Mona, Design and modeling considerations for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methylbenzenpirol, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iași, DOI: 10.1109/EPE56121.2022.9959778, 4/7 –pct. 0,57

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V8. Ileana Ursu, Alin Olteanu, Vlad Morosanu, Cristina Mihaela Schreiner, Mihaela Aradoaei, Technical Analysis Regarding The Implementation Of A Building Management System, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iași, DOI: 10.1109/EPE56121.2022.9959794, 4/5 –pct. 0,80

V9. Davide Fabiani, Romeo Ciobanu, Mihaela Aradoaei, Piezoelectric Nanofibrous Composite Materials for Energy and Electronic Applications, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iași, DOI: 10.1109/EPE56121.2022.9959737, 4/3 –pct. 1,33

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Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională

P1. Director proiect - AniConFilm, 19/2018 - 'Tehnologia de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabile sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale' - finanțat prin Program PN III - Cooperare Europeană și Internațională - Subprogram 3.2 - Orizont 2020, Tip Proiect - ERANET, COFUND-MANUNET III-AniConFilm-2 (Buget total - 388.270 lei) $40 \times (388.270/100.000) \times 30\% = 46,56$ puncte

P2. Membră în echipa de implementare a proiectului 'Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions', DaWetRest, Contract nr. 101113015/2023, din cadrul HorizonEurope, finanțat prin CE HORIZON Action Grant Budget-Based, (Buget total - 88062,5 euro), $40 \times (437.089/100.000) \times 30\% = 52,44$ puncte

P3. Grant pentru susținerea capacității de publicare, grant intern GI/P10/2021, (Buget total - 45.000 lei),

	<p>P4. Grant pentru idei de proiect, grant intern GI/P1/2021_IDEI, (Buget total - 40.000 lei),</p> <p>P5. Membră în echipa de implementare a proiectului 'Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane' (MINaFBioS), PN III - ERANET, MANUNET-III, Contract nr. 149/2020, 40*(432250/100.000)*5%</p> <p>P6. Membră în echipa de implementare a proiectului 'Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor' (INTREPIDUS), PN III ERANET-EURONANOMED, Contract nr. 193/2020, 40*(5357000/100.000)*5%=10,7 puncte</p> <p>P7. Membră în echipa de implementare a proiectului '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, 40*(381.282,62/100.000)*10%=15,24 puncte</p>
<p>Conf.dr.ing. NEACȘU Oana-Maria</p>	<p>C.Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCIS.</p> <p>1.Constantin Sărmășanu – coordonator-Seria: Antreprenariat pentru ingineri și arhitecți, Coordonator Vol.3 Oana-Maria Asiminicesei-Afaceri digitale – Capitole:</p> <p>1.1.Capitolul 1- Oana-Maria Asiminicesei,” Antreprenariat-trecut și prezent. Economia digitală-Societatea informațională. Antreprenor/Antreprenariat-Concepte generale”- Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.14-pag.39 (25 pagini)</p> <p>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)</p> <p>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)</p> <p>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)</p> <p>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)</p> <p>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)</p> <p>1.7.Capitolul 14- Oana-Maria Asiminicesei, Sebastian-Teodor Arădoiaie- ”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</p> <p>2. Oana Neacșu (Asiminicesei), ”Informatică Aplicată I. Curs didactic”, 516 pagini – ISBN- 978-606-13-5188-6, Editura PIM, Iași, 2019</p> <p>3. Oana Neacșu (Asiminicesei), ”Informatică Aplicată I. Aplicații de laborator”, 229 pagini – ISBN-978-606-13-5189-3, Editura PIM, Iași, 2019</p> <p>4. Oana Neacsu, Alexandru Sălceanu, Marius Păuleț, “Software de birotică. Teorie și aplicații”, Ed.PIM, 2018, ISBN 978-606-4816-9, 210 pagini.</p> <p>5. Oana Neacșu (Asiminicesei),”Fenomenul de descărcări electrostatice. Considerații teoretice”, Editura PIM, Iași, 2019, ISBN-978-606-13-5325-5, 118 pagini</p> <p>Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>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</p> <p>2.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</p>

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

Alexandru Salceanu, Marius Paulet, Bogdan Dumitru Alistar, Oana Asimincesei- "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.

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Contracte de cercetare.

1. Membru în echipa de cercetare- Proiect internațional ERANET-EURONANOMED nr. 193/2020: Membrane nanoporoase pentru pseudolivrarea intratecală 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 internațional- PNIII - ERANET, COFUND- MANUNET nr. 18/2018, ”Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabilă sub acțiunea câmpului 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 internațional PNIII - ERANET, COFUND- MANUNET, nr. 22/2018, ”Sistem de sortare a deșeurilor de construcții și demolări (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)â

5. Membru în echipa de cercetare- Proiect internațional - PNIII - ERANET, COFUND- MANUNET, nr. 17/2018, ”Îmbunătățirea tehnologiilor de printare pentru fabricarea economică 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-”Platforma microfluidică de tipul Lab-on-chip pentru detecția celulelor tumorale

	<p>circulante (CTC) concentrate prin dielectroforeză- magnetoforeză și analizate prin spectroscopie dielectrică și de impedanță electrochimică”-ucellDetect, Contract 3PCCDI din 01/03/2018, Valoare Proiect 5.287.500,00 lei, Durata Proiect 1.03.2018-31.12.2012</p> <p>7. Membru în echipa de cercetare – Proiect internațional 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</p> <p>8. Membru în echipa de cercetare – Proiect internațional 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</p>
<p>Conf.dr.ing. ASTANEI G. Dragoș – George</p>	<p>Carte de specialitate publicată în editură din străinătate Cb1 Dragos Astanei, Double spark plug based ignition system, LAP Lambert Academic Publishing, Chișinău, Republica Moldova, 2022, ISBN: 978-613-9-47344-1, 215 pag</p> <p>Articol publicat în revistă cotate ISI, cu factor de impact R1 C.R. Beniugă, B.A. Pingescu, O.C. Beniugă, A. Dragomir, D.G. Astanei, R. Burlică, Photovoltaic Panel System with Optical Dispersion of Solar Light for Greenhouse Agricultural Applications, AgriEngineering, vol. 7, issue 4, art. no. 7040125, 2025, factor de impact (2023) 3,0 – Q2 R2 E. G. Acar, D. Doganoz, D. Çavdar, F. Karbancioglu-Guler, R. Burlica, D. Astanei, M.-A.Olariu, G. Gunes, Efficacy of Atmospheric Non-thermal Plasma Corona Discharge Under Dry and Wet Conditions on Decontamination of Food Packaging Film Surfaces, Packaging Technology and Science, vol. 37, issue 12, pp. 1121-1130, 2024, WOS: 001297514900001, factor de impact (2023) 2,8 – Q2. R3 M.A. Olariu, R. Herrero, D.G. Astanei, L. Jofré, J. Morentin, T.A. Filip, R. Burlica, Improving Printability of Polytetrafluoroethylene (PTFE) with the Help of Plasma Pre-Treatment, Polymers, vol. 15, issue 16, Art. number 3348, 2023, WOS: 001056759800001, factor de impact (2023) 4,7 – Q1. R4 S. Padureanu, R. Burlica, V. Stoleru, O. Beniuga, D. Dirlau, D.E. Cretu, D. Astanei, A. Patras, Non-Thermal Plasma-Activated Water: A Cytogenotoxic Potential on Triticum aestivum, Agronomy, vol 13, issue 2, Art. number 459, 2023, WOS: 000938080900001, factor de impact (2023) 3,3 – Q1. R5 A. Mandici, C. Rosu, R. Burlica, D.E. Cretu, D. Astanei, O. Beniuga, D.C. Topa, T.G. Aostacioaei, A. Miron, Effects of non-thermal plasma activated water and low temperature on wheat sprouts: a focus on photosynthetic pigments, protein and phenolic contents, antioxidant activity, antioxidant and prooxidant enzymes activity, Farmacia, Vol. 70 Issue 6, p1072-1080, 2022, WOS: 000969664100010, factor de impact (2023) 1,4 – Q4. R6 A. Mandici, D.E. Crețu, R. Burlică, D. Astanei, O. Beniugă, C. Roșu, D.C. Topa, T.G. Aostăcioaiei, A.C. Aprotosoaei, A. Miron, Preliminary Study on the Impact of Non-Thermal Plasma Activated Water on the Quality of Triticum aestivum L. cv. Glosa Sprouts, Horticulturae, Vol. 8, issue 12, Art. number 1158, 2022, WOS: 000902486600001, factor de impact (2023) 3,1 – Q1. R7 R. Burlica, D.E. Crețu, O. Beniugă, D. Astanei, Nonthermal Plasma Multi-Reactor Scale-Up Using Pulse Capacitive Power Supplies, Applied Sciences – Basel, vol. 12, issue 20, Art. number 10403, 2022, WOS: 000872282100001, factor de impact (2023) 2,5 – Q1. R8 I. Stoica, R.M. Albu, C. Hulubei, D. Astanei, R. Burlica, G.A.M. Mersal, T.A.S. Elnasr, A.I. Barzic, A.Y. Elnaggar, A New Texturing Approach of a Polyimide Shielding Cover for Enhanced Light Propagation in</p>

Photovoltaic Devices, Nanomaterials, vol. 12, issue 18, Art. number 3249, 2022, WOS: 000857761200001, factor de impact (2023) 4,4 – Q2.

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R10 M. Wartel, F. Faubert, I.D. Dirlau, S. Rudz, N. Pellerin, D. Astanei, R. Burlica, B. Hnatiuc, S. Pellerin, Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation, Journal of Applied Physics, vol. 129, issue

R11 R. Burlică, D. Astanei, D.E. Cretu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, Non-thermal plasma T-shaped reactor for activated water production, Environmental Engineering and Management Journal, vol. 20, issue 3, pp. 397-404, 2021, WOS:000637746900009, factor de impact (2023) 0,9 – Q4.

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R14 R. Burlică, I.D. Dirlau, D. Astanei, Non-thermal plasma mini-reactors for water treatment, Environmental Engineering and Management Journal, vol. 18, nr. 8, pp. 1799-1807 2019, WOS:000482576500020, factor de impact (2023) 0,9 – Q4.

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R20 C.C. Rusu, D.E. Crețu, R. Burlică, D. Astanei, O. Beniugă, DBD system operating in ambient air for surface treatment of polyethylene terephthalate films, Buletinul Institutului Politehnic din Iași, Secția Electrotehnică,

Energetică, Electronică, acceptat spre publicare noiembrie 2022.

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V1 B.-A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, C. R. Beniugă, R. Burlică, High conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 616-619, 17-19 oct. 2024, Iasi, Romania, DOI:

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<p>Conf.univ.dr.ing. BUTNICU Dan</p>	<p>Carte publicată în editură recunoscută CNCS (unic autor) Ca1: Ghid pentru studiul dispozitivelor și circuitelor electronice utilizand OrCAD-SPICE Editura Tehnopress-Iași, 2025, ISBN 978-606-687-535-6, 184 pagini, format Academic</p> <p>Capitol carte de specialitate publicată în editură din străinătate Cb1 : Book Chapter : Comparative Study for DC-DC Converter Output Bank’s Reliability Evaluation Using Prediction Standards MIL-HDBK-217F vs. Telcordia SR-332 In Advances in Energy Research – 5th Edition, VIDE LEAF Ed., India, 2025 ISBN : 978-93-92117-3</p> <p>Articol publicat în revistă cotate ISI, cu factor de impact R1:Dan Butnicu, Dorin O. Neacsu, “A Case Study for Reliability Evaluation of anExternal Computer Power Supply”, Electric Power Components and Systems Journal,2019, Pages 444-455 Received 09 Feb 2018, Accepted 14 Jan 2019, Publishedonline: 08 Jul 2019, https://doi.org/10.1080/15325008.2019.1606124 R2: Butnicu, D. A Derating-Sensitive Tantalum Polymer Capacitor’s Failure Ratewithin a DC-DC eGaN-FET-Based PoL Converter Workbench Study. Micromachines2023, 14, 221. https://doi.org/10.3390/mi14010221 R3: Butnicu, D.; Lazar, A. Workbench Study Concerning the Highest ReliabilityOutcome for PoL Converters with Different Output Capacitor Technologies. Energies2023, 16, 2768. https://doi.org/10.3390/en16062768 R4: D. Butnicu, D. O. Neacsu and A. Cracan, "A Study of Switching Frequency Impacton Reliability of DC-DC PoL Converters With Discrete Transistors," in IEEETransactions on Industry Applications, vol. 59, no. 5, pp. 6373-6383, Sept.-Oct. 2023,doi: 10.1109/TIA.2023.3291675. R5: Butnicu D, Ionescu D, Kovaci M. Structure Optimization of Some Single-IonConducting Polymer Electrolytes with Increased Conductivity Used in "Beyond Lithium-Ion" Batteries. Polymers (Basel). 2024 Jan 29;16(3):368. doi: 0.3390/polym16030368. R6: Butnicu, D. Comparative Study for DC-DC Converter Output Bank’s ReliabilityEvaluation Using Prediction Standards MIL-HDBK-217F vs. Telcordia SR-332.Energies 2024, 17, 3957. https://doi.org/10.3390/en17163957 R7 : D.O. Neacsu, M. Cirstea, D. Butnicu, "Comparative Reliability Analysis forResonant Converter Operation Under Component Ageing," in IEEE Journal ofEmerging and Selected Topics in Industrial Electronics, vol. 2, no. 2, pp. 142-</p>

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<p>Conf.univ.dr.ing. CÂRLESCU Vlad</p>	<p>Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.</p> <p>1. G. Ianuș, V. Matieș, G. Prisăcaru, C. Bujoreanu, C. Știrbu, M.R. Bălan, A. Tufescu, C. Stamate, V. Cârlescu, Mecanica fină și Mecatronică, Vol. 2., Capitol carte: Biomecatronică. Aplicații în protezarea membrilor superioare și inferioare, pp. 127-175, Chișinău 2022, ISBN 978-5-88554- 129-9</p> <p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>1.Răzvan Constantin Brânzan, Ionut, Tărăboantă, Cristina Angela Ghiorghe, Simona Stoleriu, Vlad Cârlescu, Andra Claudia Tărăboantă-Gamen and Sorin Andrian, Evaluation of the Mechanical Properties of Different Dental Resin-Based Materials After Submersion in Acidic Beverages, Dent.J. 2025, 13, 4. https://doi.org/10.3390/dj13010004</p> <p>2.Denis Cojocar, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Friction Torque in Miniature Ball Bearings, Lubricants 2025, 13, 12. https://doi.org/10.3390/lubricants13010012</p> <p>3.Sergiu Gabriel Pal, Viorel Goanta, Ciprian Ionut Moraras and Vlad Carlescu, Mechanical Behavior Analysis of Polypropylene-Based Composites and a Photopolymer Resin via Tensile and Scratch Testing, Polymers 2025, 17(16), 2180; https://doi.org/10.3390/polym17162180</p> <p>4.Denis Cojocar, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Grease Film Behavior in Ball Bearings, Lubricants 2025, 13, 429. https://doi.org/10.3390/lubricants13100429</p>

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- 1 CRISTINA ANGELA GHIORGHE, GIANINA IOVAN, VLAD CARLESCU, BOGDAN ISTRATE, GALINA PANCU, SORIN ANDRIAN, Comparative Evaluation of Hardness and Elasticity Modulus of Tooth-Colored Materials for Dental Restoration, *REVISTA DE CHIMIE*, Vol. 68, Issue 11, November 2017, 2623-2627
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3. SIMONA-NICOLETA MAZURCHEVICI, BOGDAN PRICOP, BOGDAN ISTRATE, ANDREI- DANUT MAZURCHEVICI, VLAD CARLESCU, CONSTANTIN CARAUSU, DUMITRU NEDELICU, Technological Parameters Effects on Mechanical Properties of Biodegradable Materials Using FDM, *MATERIALE PLASTICE* 57 (2) 2020, 215 – 227
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- Contracte de cercetare**
1. Contract tip RO-MD nr. 2SOFT/1.1/64/2020 din cadrul programului ”Joint Operational Programme Romania – Republic of Moldova 2014 – 2020”, titlu proiect „Cross Border Cooperation in Mecatronics Engineering Education”, acronim CBCinMEE Beneficiar principal: Universitatea Tehnică a Moldovei (UTM) Beneficiar secundar: Universitatea Tehnică ”Gheorghe Asachi” din Iași (TUIASI) Director proiect: conf.dr.ing. Gelu Ianus, TUIASI Valoare proiect: 590000 RON Perioada: 2021 - 2022 (curs mediu euro 4.9204/4.9456) (valoare anuala 3953551.9/196510.1RON) Echipa proiect: 9 membri Funcția în proiect: Master Development Specialist 2
2. Contract tip PN-III-P1-1.1-TE-2021-0156, UEFISCDI, titlu proiect Silicone-based modular artificial sensing skin for MMOD impact damage detection and evaluation system in spacecraft, acronym SilArtSkin Beneficiar: Institutul

	<p>de Chimie Macromoleculară ”Pentru Poni” din Iași (ICMPP) Perioada: 05.2020 – 05.2024 (24 luni) Director proiect: dr. Bele Adrian Valoare proiect: 450000 RON (93750 Euro) Echipa proiect: 8 membri Funcția în proiect: Cercetător în mașini și instalații mecanice CSIII (cercetător postdoctoral)</p> <p>3. PROIECT COFINANȚAT DE UNIUNEA EUROPEANĂ DIN FONDUL EUROPEAN STRUCTURAL ȘI DE INVESTIȚII PRIN PROGRAMUL OPERAȚIONAL CAPITAL UMAN 2014 – 2020 Axă prioritară: 6 - Educație și competențe Obiectiv specific: 6.13, 6.14 Stagii de practică elevi și studenți în sectorul agroalimentar, industrie și Servicii Titlu proiect: Studenti si elevi activi-angajati productivi! Nr. contract finanțare: POCU/90/6.13/6.14/109525 Beneficiar: LUGERA & MAKLER ROMÂNIA SRL în parteneriat cu BD MOESIA RESEARCH SRL Funcția în proiect: Mentor (COR 235902)</p>
<p>Conf.dr.ing. DAMIAN V. Cătălin</p>	<p>Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor) Ca1. M. Ilinca, C. Damian, Programarea calculatoarelor pentru ingineri. Limbajul C. Note de curs, Editura Tehnopress, Iași, ISBN 978-606-687-289-8, 218 pg., 2016</p> <p>Îndrumar/ culegere de probleme (publicat sau disponibil pe Web) I1. C. Damian, M. Ilinca, Lucrări practice de programarea calculatoarelor. Limbajul C – aplicații, ISBN 978-606-687-290-4, Editura Tehnopress, Iași, 197 pg., 2016</p> <p>Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc. W1. C. Damian, Programarea calculatoarelor și limbaje de programare, suport de curs electronic, www.infopuc.ro/cursuri, 2023 W2. C. Damian, Programarea calculatoarelor și limbaje de programare, referate de laborator în format electronic, www.infopuc.ro/laboratoare , 2024</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI) V1. M. Dodon, C. Damian, hBag - Smart Assistant for Healthy Shopping, EPE 2022, pp. 1-4, , 2022, Iasi, Romania V2. C. Damian, D. Donu, Design and Implementation of the Control Unit for a Solar Heating System, Sielmen 2021, pp. 424-427, Oct 6-8, 2021, Iasi, Romania - conferinta ISI V3. A. Raducan, C. Damian, V. Vaduva, Using A* Algorithm for Autonomous Taxi Application, Sielmen 2021, pp. 428-432, Oct 6-8, 2021, Iasi, Romania - conferinta ISI V4. C. Damian, A. Sofronie, L. Alboaie, SmartDPO - Template Based, Integrated Flow Document Management System, Sielmen 2021, pp. 213-218, Oct 6-8, 2021, Iasi, Romania - conferinta ISI V5. C. Damian, L. Alboaie, A. Iftene, Using WSN and Mobile Apps for Home and Office Ambient Monitoring and Control, International Conference on Human-Computer Interaction, pp. 42-46, 2501-9422, 8-9 Septembrie, 2016, Iasi, Romania V6. C. Damian, E. Lunca, M. Ilinca, Remote administration of hardware resources using TCP/IP Protocol and WEB technologies, EPE 2014, October, 16-18, 2014, Iasi, Romania</p> <p>Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională P1. Platformă blockchain pentru asigurarea securității și autenticității informațiilor metrologice , Schema de granturi IDEI DE PROIECT, competiție organizată în cadrul TUIASI, 2021, 6 luni - director proiect</p>
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Cb.11. Danut Constantin Irimia, Marian Silviu Poboroniuc, Elemente de Analiză și Control în Sisteme Tip Interfața Creier-Claculator, Editura PIM, Iași, ISBN 978-606-13- 7332-1, 2022. 8*222/2*100

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V2. M. Poboroniuc, D. Irimia, R. Ionașcu, A. I. Roman, A. Mitocaru and A. Baciu, "Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke," 2021 International Conference on e-Health and Bioengineering (EHB), 2021, pp. 1-4, doi: 10.1109/EHB52898.2021.9657726.

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<p>Conf. univ. dr. ing LIVADARU I. Leonard-Mihail</p>	<p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <p>R1 - 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</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)</p> <p>V1 - I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090</p> <p>V2 - B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116</p> <p>V4 - M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, "The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi: 10.1109/EPEi63510.2024.10758153</p> <p>V5 - A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173</p> <p>V6 - B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796. (30/6=5)</p> <p>V7 - L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784. (30/6=5)</p> <p>V8 - I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot</p>

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<p>Conf. univ. dr. ing LUNCĂ. Eduard</p>	<p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale</p> <p>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.</p> <p>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 2023 – 2,3.</p> <p>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 2023 – 3,4.</p> <p>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 2023 – 2,5.</p> <p>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 2023 – 5,2.</p> <p>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 2023 – 0,9.</p> <p>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 2023 – 0,9.</p>

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<p>Conf. univ. dr. ing MUNTEANU P. Adrian</p>	<p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <p>R1 - 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</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)V1 -</p> <p>B. -C. Paduraru, A. Dragomir, A. Munteanu, M. Adam, S. -A. Nadabaica and G. Chiriac, "Analysis of the Permanent Magnets Influence on the Operation of a BLDC Motor," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 523-527,doi: 10.1109/EPEi63510.2024.10758070. 3,33</p> <p>V2 - I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090 3,33</p> <p>V3 - B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference</p>

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<p>Conf.univ.dr.ing. TĂRNICERIU T. Carmen-Oana</p>	<p>Carte/ curs/ manual publicată în editură recunoscută CNCs Ca1. C.O. Tărniceriu, Algebră Liniară și Geometrie Performantica, ISBN 978-606-685-753-6, Iași, 2020</p> <p>Articol publicat în revistă cotate ISI, cu factor de impact 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. 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. 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 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. 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.</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (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 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 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 E3 International Conference on Applied and Pure Mathematics, November 2-5, 2017, Iasi, Romania cu lucrarea Connections between mathematical formalizations of noise in neural dynamics</p>
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<p>S.I.univ.dr.ing. ANTONESCU Ion</p>	<p>C. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>1.Iulian Cucos, Ion Antonescu, Dorina Isopescu, Daniel Lepadatu, Maria-Oana Agavriloaie, Vasile Caunii, Vlad-Catalin Cucos - Hydrogen plasma conversion system of municipal recyclable waste in energy, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 625-634, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700014, factor de impact 0.916</p> <p>2.Iulian Cucos, Ion Antonescu, Dorina Isopescu, Daniel Lepadatu, Maria-Oana Agavriloaie, Vasile Caunii, Vlad-Catalin Cucos - Advanced system control for hydrogen plasma conversion of industrial hazardous recyclable liquid waste, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 593- 603, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700011, factor de impact 0.916</p> <p>3.Ionel-Ciprian Alecu, Daniel Lepadatu, Dorina Isopescu, Iulian Cucos, Maria-Oana Agavriloaie, Ion Antonescu - Helix spin economy and plasma waste recovery in construction and building materials industry, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 559-568, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700007, factor de impact 0.916</p> <p>4.Daniel Lepadatu, Dorina Isopescu, Loredana Judele, Iulian Cucos, Ion Antonescu, Ionel-Ciprian Alecu - Particularities of synthetic wood - a biomaterial with recycled waste, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 585-592, WOS:000637747700010, factor de impact 0.916</p> <p>5.I Antonescu, D N Isopescu, I Cucos, V Caunii, I C Alecu and M L Lupu - Researches on energy-efficient plasma conversion of fibreglass waste into new ecological materials for building industry, International Conference CIBv 2020 Civil Engineering and Building Services, IOP Conf. Series: Materials Science and Engineering 1138 (2021) 01200, doi:10.1088/1757-899X/1138/1/012001</p>

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- Lucrări științifice publicate în volumele conferințelor.**
1. Antonescu I., Raclariu C., - Active energy house, Lucrările celei de-a 15-a Conferințe Naționale de construcții

metalice cu participare internațională 15CONMET, IAȘI, 16-17 noiembrie 2017, Editura PIM, ISSN 2559-0812, ISSN-L 2559-0812

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F.Lucrări prezentate la conferințe sau comunicate sub formă de poster

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3. Ion Antonescu - Aplicații practice în gestionarea inputurilor controlerelor destinate tehnologiilor IoT prin numere fuzzy, comunicată la Workshop-ul „Sisteme fuzzy în economie”, organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane”, Academia Română, 24 octombrie 2023, în cadrul Zilelor Academice Ieșene, Ediția a XXXVIII-a

4. Ion Antonescu “Biblioteci utilizate în gestionarea controlerelor fuzzy destinate aplicațiilor IoT”, comunicată la Workshop-ul „Sisteme fuzzy în economie”, organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane”, Academia Română, 26 octombrie 2022, în cadrul Zilelor Academice Ieșene, Ediția a XXXVII-a

5. Ion Antonescu „Aplicații ale controlerelor fuzzy pentru aplicații IoT”, comunicată la Workshop-ul „Sisteme fuzzy în economie”, organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane”, Academia Română, 29 octombrie 2021, în cadrul Zilelor Academice Ieșene, Ediția a XXXVI-a

6. Daniel Lepadatu, Dorina Isopescu, Ion Rusu, Loredana Judele, Iulian Cucos, Ion Antonescu - Comparative studies for thermal conductivities determination of Synthetic wood with recyclable waste using design of experiment method, comunicată la Conferința Internațională „Interdisciplinarity and Cooperation in Cross Border Research” ICCR - 2021, 2-4 decembrie 2021, Chișinău, Republica Moldova, 2-4 decembrie 2021, organizată de Facultatea Transfrontalieră a Universității „Dunărea de Jos” din Galați

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9. Iulian Cucos, Ion Antonescu, Ionel-Ciprian Alecu „Managementul energetic al construcțiilor montane in contextul economiei circulare”, la a 14-a Conferință științifică consacrată cunoașterii specificității economico-sociale și dezvoltării sustenabile a comunităților montane din România, în contextul noilor orientări ale CE prin Acordul Verde European-Orizont 2040-2050, „Dezvoltarea Sustenabilă și Rezilientă a Zonei Montane în Contextul Noilor Provocări Generate de Pandemia cu COVID-19 și Acordul Verde European (The European Green Deal)” a Centrului de Economie Montană – CEMONT Vatra Dornei /Institutul Național de Cercetări Economice ”Costin C. Kirițescu”, Academia Română, 17 – 18 septembrie 2020, Vatra Dornei

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11. I. Antonescu, D. Isopescu, I. C. Alecu, D. Lepădatu, I. Cucos, L. Prună, A. Slonovschi, G. A. Butuc „Visual LISP library of fuzzy logic functions for developing eco-design expert systems in digital prototyping environments” International Conference on Environmental Engineering and Management (ICEEM 10), „Gheorghe Asachi” Technical University of Iași, 18-21 september 2019, Iași, România

12. I. Antonescu, I. Cucos, D. Lepădatu, I. C. Alecu „Aplicații ale rețelelor neuronale fuzzy în domeniul microcontrollerelor”, Zilele Academice Iașene, Ediția a XXXIV-a, „Sisteme fuzzy în economie”, Institutul De Cercetări Economice Și Sociale „Gh. Zane”, Academia Română, 24 octombrie 2019

13. D. Lepădatu, I. C. Alecu, I. Cucos, I. Antonescu „Optimizarea multicriterială a lemnului sintetic utilizând inteligența artificială și logica fuzzy”, Zilele Academice Iașene, Ediția a XXXIV-a, „Sisteme fuzzy în economie”, Institutul De Cercetări Economice Și Sociale „Gh. Zane”, Academia Română, 24 octombrie 2019

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18. Ion Antonescu, Mihaela Codreanu „Considerații privind utilizarea panourilor fotovoltaice flexibile în ariile protejate din zona de munte” la a 6-a Conferință științifică, anuală, a Centrului de Economie Montană – CEMONT/Institutul Național de Cercetări Economice ”Costin C. Kirițescu”, Academia Română, 23-27 Septembrie 2017, Vatra Dornei

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21. Ion Antonescu, Mihaela Codreanu „Considerații privind utilizarea panourilor cu celule fotovoltaice flexibile cu polimeri semiconductori în condițiile economiei montane” A 5-a Conferință științifică, anuală, a Centrului de Economie Montană – CEMONT/Institutul Național de Cercetări Economice ”Costin C. Kirițescu”, Academia Română, 23-24 Septembrie 2016, Vatra Dornei

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H. Contracte de cercetare/granturi.

1. Contract mobilitate cercetător MC 16 din 06/11/2020, Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), Program: PN-III-P1-1.1-MC-2020-0077, Universitatea Tehnică "Gheorghe Asachi" din Iași, valoare: 3.293 lei, 2020, director proiect: ș.l.dr.ing. Ion Antonescu
2. Contract subsidiar "Sistem de valorificare energetică a deșeurilor și producerea unor materialele termoizolatoare ecologice eficiente energetic pentru construcții" nr. 6/26.09.2018 (16483/01.08.2018 - UTI), la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, Id: P_40_295/105524 - Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, <http://www.efecon.tuiasi.ro> Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Ion Antonescu, partener industrial SC BICO INDUSTRIES SRL Piatra Neamt, Valoare: 339.350 lei, 2018-2021, Nr. luni 30, Nr. membri 5
3. Contract subsidiar „Cercetari industriale privind conversia deșeurilor de fibră de sticlă cu și fără ancolant pentru producerea unor materialele ecologice eficiente energetic pentru construcții”, nr. 13/01.08.2018 (16482/01.08.2018 - UTI) la Proiectul „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, <http://www.efecon.tuiasi.ro> Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Ion Antonescu, , partener industrial SC BICO INDUSTRIES SRL Piatra Neamt, Valoare: 265.650 lei, 2018-2020, Nr. luni 24, Nr. membri 7
4. Contract subsidiar „Sistem de valorificare energetică a deșeurilor lichide periculoase din construcții și producerea de produse ecologice pentru construcții”, Nr. 4/26.09.2018 (16483/01.08.2018 - UTI) la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 – Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, <http://www.efecon.tuiasi.ro> Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucuș, membru Ion Antonescu, partener industrial SC INDECO GRUP SRL București, Valoare: 524.325 lei, 2018- 2021, Nr. luni contract 30, Nr. membri 5.
5. Contract subsidiar „Sistem de valorificare energetică a deșeurilor municipale și periculoase reciclabile din construcții pentru producerea de energie electrică și termică pentru creșterea eficienței energetice a construcțiilor”, nr. 9/26.09.2018 (16483/01.08.2018 - UTI) la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, <http://www.efecon.tuiasi.ro> Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucuș, membru Ion Antonescu, partener industrial SC 3D ECAS ENERGY SRL București, Valoare

	<p>contract: 540.050 lei, 2018-2021, Nr. luni contract 30, Nr. membri 5</p> <p>6. Contract subsidiar "Cercetari experimentale industriale pentru conversia cu plasma pe hidrogen a deseurilor municipale in energie pentru alimentarea ansamblurilor de locuit", nr. 10/01.08.2018 (16482/01.08.2018 - UTI)la Proiectul: „Produce și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 – Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Marius Telișcă, membru Ion Antonescu, partener industrial SC 3D ECAS ENERGY SRL București, Valoare contract: 264.950 lei, 2018-2020, Nr. luni contract 24, Nr. membri 8</p> <p>7. Contract subsidiar "Cercetari industriale privind conversia unor deseuri industriale periculoase lichide in energie și produse ecoinovatoare utilizabile in domeniul constructiilor", nr. 11/01.08.2018 (16482/01.08.2018 - UTI)la Proiectul: „Produce și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanțat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoștințe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro, Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucoș, membru Ion Antonescu, partener industrial SC INDECO GRUP SRL București Valoare: 265.675 lei, 2018- 2020, Nr. luni 24, Nr. membri 7</p>
<p>Lector dr. APREOTESEI Gabriela</p>	<p>Cărți publicate (selectiv):</p> <ol style="list-style-type: none"> Gabriela Apreotesei, “Fizică Generală”, Ed. PIM Iași 2008, ISBN 978-606-520-101-9 Gabriela Apreotesei, Iulia Brîndușa Ciobanu, „Electricitate. Magnetism. Fenomene optice. Teorie și aplicații”, Ed. PIM Iași 2024, ISBN 978-606-13-8838-7 Iulia Brîndușa Ciobanu, Gabriela Apreotesei, „ Fenomene fizice și aplicații”, Ed. PIM Iași 2022, ISBN 978-606-13-7366-6. Gabriela Apreotesei, Iulia Brîndușa Ciobanu, ”Fizică pentru învățământul tehnic superior. Teorie și aplicații”, Ed. PIM Iași 2021, ISBN 978-606-13-6500-5 Gabriela Apreotesei, Iulia Brîndușa Ciobanu, ”Aplicații ale fizicii clasice și moderne pentru învățământul tehnic superior”, Ed. PIM Iași 2019, ISBN 978-606-13-5380-4. Lista lucrări științifice <p>Lucrări indexate ISI/BDI publicate</p> <ol style="list-style-type: none"> Dana Ortansa Dorohoi1, Steluta Gosav2, Ana Cezarina Morosanu1, Dan Gheorghe Dimitriu1, Gabriela Apreotesei3, and Teodora Gosav4 “Molecular Descriptors—Spectral Property Relations for Characterizing Molecular Interactions in Binary and Ternary Solutions, Excited State Dipole Moment Estimation”, Symmetry 2023, 15, 2075. https://doi.org/10.3390/sym15112075 Nicoleta Melniciuc Puica, Dan-Gheorghe Dimitriu, Gabriela Apreotesei, Ana Cezarina Morosanu and Dana- Ortansa Dorohoi “Computational Study of Some 4'-Aryl-1,2,4-triazol-1-ium-4-R2-phenacylid Derivatives in Vacuum and Dimethylformamide”, Symmetry 2022, 14, 2099. https://doi.org/10.3390/sym14102099 Daniela Ionescu, Gabriela Apreotesei, “About narrow band optical digital filters based on metamaterials“, 2021 IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME), doi: 10.1109/SIITME53254.2021.9663696, 27-30 oct 2021 Timișoara, România, pag 173-176 Daniela Ionescu, Gabriela Apreotesei, “Dopants Effect on the Conductive Polymer Performances, Used for Artificial Muscles”, 2022 IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME),

	<p>26-29 oct 2022 Bucuresti, Romania, DOI: 10.1109/SIITME56728.2022.9987743</p> <p>5.Daniela Ionescu, Gabriela Apreotesei, “Control of the Energy Conversion in Radial Microactuators Using Conductive Polymers“, 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), 18-20 October 2023, Craiova, Romania, DOI: 10.1109/SIITME59799.2023.10431037</p> <p>6.Daniela Ionescu, Gabriela Apreotesei, “Improving the Properties of Conducting Polymers in Self-Doping Variant“, 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), 18-20 October 2023, Craiova, Romania, DOI: 10.1109/SIITME59799.2023.10430563</p>
<p>S.I. dr.ing. BACIU (STAN) Alina Georgiana</p>	<p>Cărți și capitole în cărți</p> <p>Gheorghe Livinț, Baciu Alina-Georgiana, Sisteme de control robust, Ed. Matrix Rom București, ISBN 978-606-25-0542-4, 2020</p> <p>Lucrări indexate ISI/BDI publicate</p> <p>1.Aida Baltag, Gheorghe Livint, Alina Baciu, Samir Bellarbi Design of Hinfinitiy 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</p> <p>2.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</p> <p>3.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</p> <p>4.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</p> <p>5.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</p> <p>6.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.</p> <p>7. 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.</p> <p>8. 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.</p> <p>9. 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.</p> <p>10. 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.</p> <p>11. Danut Irimia, Marian Poboroniuc, Florin Serea, Alina Baciu, Radu Olaru, Controlling a FESEXOSKELETON Rehabilitation System by Means of Brain-Computer Interface, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEEExplore 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.</p>
<p>Lect.dr. BACIU G. Ioana</p>	<p>Capitol carte de specialitate publicată în editură din străinătate</p>

	<p>Baciu, Ioana, Femininity as Performance in Carson McCullers' 'The Ballad of the Sad Cafe', 'The Member of the Wedding' and 'The Heart is a Lonely Hunter', Volumul Performing Identity: The Relationship between Identity, Gender and Performance in Literature, Theatre and the Visual Arts, ed. Panoyiota Crysochou, Cambridge Scholar Publishing, 2017, pp.39-52</p> <p>Articol publicat în revistă indexată în baze de date internaționale (BDI)</p> <p>R.1. Baciu, Ioana, <i>Medical Gothic Masculinities in Bram Stoker's "Dracula"</i>, Linguaculture, 12:1, 2021, pp. 77-86, DOI: 10.4773/Iincu-2021-1-0188</p> <p>R.2. Baciu, Ioana, „Gheorghe Asachi Technical University of Iasi, Buletinul Institutului Politehnic Iasi, Secția Socio-Umane, Volumul 67 (71), nr. 1-2/2021, <i>Writing is Masculine, Gossip is Feminine: American Myths in Shirley Jackson's "The Possibility of Evil"</i>, pp. 39-52</p> <p>R.3. Baciu, Ioana, <i>Medical Gothic Masculinities in Bram Stoker's "Dracula"</i>, Linguaculture, 12:1, 2021, pp. 77-86, DOI: 10.4773/Iincu-2021-1-0188</p> <p>R.4. Baciu, Ioana, „Gheorghe Asachi Technical University of Iasi, Buletinul Institutului Politehnic Iasi, Secția Socio-Umane, Volumul 67 (71), nr. 1-2/2021, <i>Writing is Masculine, Gossip is Feminine: American Myths in Shirley Jackson's "The Possibility of Evil"</i>, pp. 39-52</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</p> <p>V1 Baciu, Ioana, Reinterpreting the Frankenstein Myth in Yorgos Lanthimos' Poor Things (2023), Les Cahiers Linguaték 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%20Linguaték_vol.VIII_nos.15-16.pdf</p> <p>Alte lucrări de proiectare-cercetare-dezvoltare</p> <p>1 Expert formator în proiectul ROSE, acord de grant 348/SGU/SS/III cu titlul STIM@DIMA, Susținerea viitorilor ingineri-manageri, 19.02.2024-31.05.2024</p> <p>2. /2024 – 15/11/2024, proiect câștigat în urma apelului de manifestare de interes pentru marcarea aniversării a 30 de ani AUF ECO 'Créer, transformer, innover, exceller ! 30 ans de l'AUF-ECO' https://www.auf.org/nouvelles/actualites/resultats-appel-manifestation-dinteretcreer-transformer-innover-exceller-30-ans-de-lauf-eco/</p>
<p>Lect.dr. BUTNARIU Anca</p>	<p>Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)</p> <p>Ca1. Concepte generale de economie în contextul transformării digitale. Alexandru Tugui, Dumitru Filipeanu, Anca Butnariu. Editura Societății Academice "Matei - Teiu Botez", 2022, ISBN 978-606-582-145-3, 272 pagini.</p> <p>Ca2. Economie generală. Suport de curs. Dumitru Filipeanu, Anca Butnariu. Editura Performantica Iasi, 2016, 200 pagini, ISBN 978-606-685-427-6</p> <p>Articole publicate în reviste indexate în baze de date internaționale (BDI)</p> <p>R1. Butnariu A., Luca F.A.- <i>Triggers Of Born Global Companies</i>, Network Intelligence Studies, 18, 2021, pp. 161-169</p> <p>R2. Butnariu A., Luca F.A., <i>The role of marketing activities in reducing risk for construction companies</i>, SEA-Practical Application of Science, Volume VIII, Issue 24 / 2020 indexat BDI (RePEc, DOAJ, EconPapers, Ulrich's WEB, CEEOL, Index Copernicus, EuroInternet, ScienceCentral.com, pp.369-375</p> <p>R3. Butnariu A., A Conceptual Model of Industrial Organisations' Environmental Behavior, Proceedings of Strategica International Conference, Upscaling Digital Transformation in Business and Economics, 2019, pp. 555- 565, ISBN 978-606-749-428-0, indexat Google Scholar, indexat Conference Proceedings Citation Index R3. Butnariu A., Luca F.A., An index of sustainable economic welfare for Romania, New Trends and Issues Proceedings on Humanities and Social Sciences, 2019, 6(8), pp 001-010, indexat Google Scholar, indexat Conference Proceedings Citation Index.</p> <p>R4. Butnariu A., Luca F.A., Apetrei A., Mitigating financial risk by using hedging strategies, SEA-Practical</p>

	<p>Application of Science, Volume VI, Issue 16 (1) / 2018, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com, pp.75-79</p> <p>R5.Butnariu A., Industrial branding - does it pay off?, SEA-Practical Application of Science, Volume V, Issue 15 (3) / 2017, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com, pp.493-498</p> <p>R6.Butnariu A., Ingredient branding- a growth opportunity?, SEA-Practical Application of Science, volume V, issue 13, pp. 101-107, 2017, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com</p> <p>R7.Butnariu A., Filipeanu D., Does CSR enhance the market performance for automotive companies?, SEA-Practical Application of Science, Volume IV, Issue 3(12), pp. 431-441, 2016, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com).</p>
<p>S.I. dr.ing CHIRIAC Bogdan</p>	<p>F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>Achitei, G., Dontu, A. I., Chiriac, B., & Popescu, A. (2023). State-of-the-Art and Future Trends of Thermoelectric Generation Systems in Automotive Industry (pp. 1–8). https://doi.org/10.1007/978-3-031-45964-1_1</p> <p>Cârlescu, V., Oprîșan, C. M., Chiriac, B., Ianuș, G., & Olaru, D. N. (2022). Influence of Hand Sanitisers on the Friction Properties of the Finger Skin Amid the COVID-19 Pandemic (pp. 420–428). https://doi.org/10.1007/978-3-030-79165-0_39</p> <p>Cârlescu V., A. Tufescu, B. Chiriac, CM Gavril, (2025) Modelling of Static and Kinetic Friction Coefficient in Stick-Slip Motion, ICIE , https://doi.org/10.1007/978-3-031-93554-1_35</p> <p>Chiriac, B., Chiriac, E. A., Achitei, G., & Olaru, D. (2024a). Glass Wear with Different Powders (Eutalloy Tung Tec, Metco 82VF-NS and MTS 8013). Bulletin of the Polytechnic Institute of Iași. Machine Constructions Section, 70(3), 35–44. https://doi.org/10.2478/bipcm-2024-0014</p> <p>Chiriac, B., Chiriac, E. A., Achitei, G., & Olaru, D. (2024b). Wear of Glass with Soft Materials. Bulletin of the Polytechnic Institute of Iași. Machine Constructions Section, 70(3), 57–64. https://doi.org/10.2478/bipcm-2024-0016</p> <p>Chiriac, B., Oprisan, C. M., Carlescu, V., & Olaru, D. N. (2022). Friction coefficient between glass surfaces and soft materials. IOP Conference Series: Materials Science and Engineering, 1262(1), 012004. https://doi.org/10.1088/1757-899X/1262/1/012004</p> <p>Cojocaru, D., Ianuș, G., Cârlescu, V., Chiriac, B., & Olaru, D. (2025). Friction Torque in Miniature Ball Bearings. Lubricants, 13(1), 12. https://doi.org/10.3390/lubricants13010012</p> <p>Cojocaru, D., Ianuș, G., Cârlescu, V., Chiriac, B., & Olaru, D. (2025). Grease Film Behavior in Ball Bearings. Lubricants, 13(10):429.</p> <p>Oprisan, C. M., Chiriac, B., Carlescu, V., & Olaru, D. N. (2020). Friction forces on human finger skin. IOP Conference Series: Materials Science and Engineering, 724(1), 012059. https://doi.org/10.1088/1757-899X/724/1/012059</p> <p>Oprîșan, C. M., Chiriac, B., Cârlescu, V., & Olaru, D. N. (2020). Influence of the stiffness and the speed on the stick-slip process. IOP Conference Series: Materials Science and Engineering, 997(1), 012016. https://doi.org/10.1088/1757-899X/997/1/012016</p> <p>Oprîșan, C. M., Chiriac, B., Tufescu, A., & Olaru, D. N. (2022). Static and dynamic friction coefficient in low loads and sliding speed conditions. IOP Conference Series: Materials Science and Engineering, 1262(1), 012012. https://doi.org/10.1088/1757-899X/1262/1/012012</p> <p>Oprisan C.M., Chiriac B., V. Cârlescu, A simplified friction force model of transient sliding contact between hard and soft surfaces, (2024), DOI:10.2478/bipcm-2024-0018</p> <p>K. Contracte de cercetare.</p>

	<p>1.Studiu de circulație privind organizarea traficului auto și pietonal în sat Valea Adâncă, Comuna Miroslava, Jud. Iași Director de proiect: Conf. Adrian Sachelarie Membru în echipă: Chiriac Bogdan (contribuție proprie 23,5% - certificat de director) 5039/2021 3808000</p> <p>2. Locuinte colective cu spatii comerciale la parter si parcare subterana pe teren proprietate prin demolare cladiri existente C.U. Nr. 1160/2021 Director de proiect: Conf. Lidia Gaiginschi Membru în echipă: Chiriac Bogdan (contribuție proprie 20% - certificat de director) 45296/2022 1261400</p> <p>3. Traficul auto si pietonal in satele Miroslava Gaureni, Balciu, Comuna Miroslava, Jud. Iasi Director de proiect: Conf. Adrian Sachelarie Membru în echipă: Chiriac Bogdan (contribuție proprie 20% - certificat de director) 163/2024 416500</p> <p>4. Creșterea deschiderii parcursului educațional către absolvire prin reducerea abandonului în primul an de studii la Facultatea de Mecanică de la Universitatea Tehnică „Gheorghe Asachi” din Iași (MEC4PASS) Director de proiect: Sef. lucr. Iulian Agape Membru în echipă: Chiriac Bogdan (contribuție proprie 4,42% - certificat de ROSE AG 206SGU/NC/II/ 2019 700515</p>
<p>S.I. dr.ing. CHIRIAC Gabriel</p>	<p>C.Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCISIS.</p> <p>1.Costică Nițucă (coord.), Ilie Nucă (coord.), Adrian Traian Pleșca, GABRIEL CHIRIAC, Vadim Cazac, Marcel Burduniuc, Georgel Gabor, Adrian Moldovan, Guideline regarding the improve of the energetical performances for an electric bus, Ed. Tritonic, București, 2022, 220 pag. (în limba engleză).</p> <p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>1.CHIRIAC G, Lucache DD, Nițucă C, Dragomir A, Ramakrishna S. Electric Bus Indoor Heat Balance in Cold Weather. Applied Sciences. 2021; 11(24):11761. Factor de Impact: 2,83</p> <p>2.Nituca, C., CHIRIAC, G., Cuciureanu, D., Dumitrescu, C., Zhang, G., Dong, H. A. N., & Plesca, A. (2019). Thermal modeling of a linear induction motor used to drive a power supply system for an electric locomotive. Thermal Science, 23(2). Factor de impact, 1.54.</p> <p>3. Gabriel CHIRIAC, Thermal analysis of fuses with variable cross-section fuselinks, Electric Power Systems Research, Volume 92, November 2012, Pages 73-80, Factor de impact 1.4.</p> <p>4. B. -C. Paduraru, A. Dragomir, A. Munteanu, M. Adam, S. -A. Nadabaica and G. CHIRIAC, "Analysis of the Permanent Magnets Influence on the Operation of a BLDC Motor," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 523-527.</p> <p>5. A. Dragomir, M. Adam, G. CHIRIAC, D. Murgoci, A. Vilcu and C. Nițucă, "Infrared Monitoring of Low Voltage Switch Separator Contact Resistance," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, IEEE explore.</p> <p>6. Nițucă, C., CHIRIAC, G., Gabor, G., Nucă, I., Cazac, V., & Burduniuc, M. (2021). Geometry design and analysis of an electric bus for the interior thermal modelling. Journal of Energy Technology, 14(2), 47-55.</p> <p>7. G. CHIRIAC, D. -D. Lucache, C. Nițucă and G. Gabor, Aspects Regarding the Heating of Electric Buses, 2021 Int. Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, IEEE explore.</p> <p>8. I. Nuca, Cazac V. Burduniuc M., CHIRIAC G., Nituca C. et al., "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, IEEE explore.</p> <p>9. F. Lupoiu, A. -T. Pleșca, G. Gabor and G. Chiriac, "A New Solution of Electronic Device Proposed for Cereals, Vegetables and Fruits Storage," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 403-406.</p> <p>10. G. Chiriac, C. Nituca and D. Sticea, "Electric Locomotive Laboratory Test Bench for Research and Educational Purposes," 2019 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Cluj, Romania, 2019, pp. 1-4.</p>

	<p>11. Cardasim, M., Costică, N., Plesca, A., CHIRIAC, G., & Dumitrescu, C. (2018, October). Reliability Parameters Estimation for a Railway Catenary Power System. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 1051-1056). IEEE.</p> <p>12. Chiriac, G., Nituca, C., & Cardasim, M. (2017, October). Failures analysis in the 25 kV/50 Hz railway substations. In Electromechanical and Power Systems (SIELMEN), 2017 International Conference on (pp. 407-410). IEEE.</p> <p>13. Plesca, A., Nițucă, C., CHIRIAC, G., Wang, J., & Huang, X. (2018, October). Thermal Modeling and Simulations for Fast Electric Fuses. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 0920-0923). IEEE.</p> <p>14. Ștefan, P., Costică, N., Gabriel, CHIRIAC., Adrian, P., Liu, Z., & Geng, Y. (2018, October). Simulating Thermal Phenomena Occurring in Fast Electric Fuses Used for Power Electronic Protection. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 0910-0915). IEEE.</p> <p>15. STICEA, Daniel; ALBU, Mihai; CHIRIAC, Gabriel. Laboratory board for studying the halfbridge power electronic converters. In: Electromechanical and Power Systems (SIELMEN), 2017 International Conference on. IEEE, 2017. p. 506-511.</p> <p>16. Aparaschivei, A., CHIRIAC, G., Nituca, C., & Plesca, A. (2017, October). Analysis of a cable lug failure for a recycle compressor trip. In Electromechanical and Power Systems (SIELMEN), 2017 International Conference on (pp. 403-406). IEEE.</p> <p>J. Invenții.</p> <p>1. Cantemir Lorin, Rachid Ahmed, Bârbintă Constantin Ioan, CHIRIAC GABRIEL, Alexandrescu Panait Adrian, Nițucă Costică, Echipament de acționare electromagnetică a unui culegător de curent de tip pantograf, a 2011 00824, RO 128199 B1/2018.</p> <p>K.Contracte de cercetare/granturi.</p> <p>1.Director proiect, Granturi interne - Idei de proiect, Universitatea Tehnică “Gheorghe Asachi” din Iași (TUIASI), GI /P 9_IDEI /2021. New concept on energy efficiency heating system for the passenger thermal comfort in the electric buses / Thermal-e-Bus, 2021.</p> <p>2.Improving the cross-border public transportation using electric buses supplied with renewable energy, ELBUS, cod 2SOFT/3.1/54, financed by the European Neighbourhood Instrument (ENI), Cross Border Cooperation (CBC) by Joint Operational Programme Romania - Republic of Moldova, 2020-2021. Coordonator C. Nițucă. Membru în proiect.</p> <p>3. The experimental study on overload current arc characteristics of DC electric fuse. PN-III-P3-3.1- PM-RO-CN-2018-0060. Partner: Xi'an Jiaotong University, Department of Electrical Engineering, Xi'an, China. 02.07.2018 – 31.12.2019. Coordonator C. Nițucă. Membru în proiect.</p> <p>L. Premii, distincții.</p> <p>1. Premiu CNCS, Premiul rezultatelor cercetării, articole Web of Science, competiția 2023, Electric bus indoor heat balance in cold weather, G. CHIRIAC, D.D. Lucache, C. Nițucă, A. Dragomir, S. Ramakrishna, Applied sciences 11 (24), 11761.</p>
<p>Lect.dr. DUDEANU Mihaela Iuliana</p>	<p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>1.Dudeanu, Mihaela Iuliana, J.-M. G. Le Clézio et ses personnages atteints de folie. Les Cahiers Linguatex, v. 15-16 (8), 2024, pp 241-250, ISSN : 2559-7752.</p> <p>2.Dudeanu, Mihaela Iuliana, J.-M. G. Le Clézio et ses personnages solitaires. Les Cahiers Linguatex, v. 13-14 (7), 2023, pp 84-100, ISSN : 2559-7752. https://www.ceeol.com/search/article-detail?id=1197512</p> <p>3.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</p> <p>4.Dudeanu, Mihaela Iuliana, Mémoire de la guerre dans l'œuvre de Jean-Marie Gustave Le Clézio. Les Cahiers</p>

	<p>Linguatex, v. 9-10 (5), 2021, pp 129-140, ISSN : 2559-7752. https://www.ceeol.com/search/journal-detail?id=2476</p> <p>I. Lucrări științifice publicate în volumele conferințelor.</p> <ol style="list-style-type: none"> 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. Politehniun, 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) », Iași, pp 247-259, 2016 <p>Traduceri</p> <ol style="list-style-type: none"> 1. Vincent Jauvert, Les Intouchables d'Etat, Ed. Cartea Românească, Iași, 2021
<p>S.I.univ.dr.ing. HARITON D. Anamaria</p>	<p>Articol publicat în revistă indexată în baze de date internaționale (BDI)</p> <ol style="list-style-type: none"> R1. Anamaria Hariton, Cristian Zet and Cristian Foșalău Distortion Analysis for Programmable Analog Signals Generated Using FPGA, Bulletin of the Polytechnic Institute of Iasi, Vol. 68 (72), No. 1 2022, pp.49-65, 17 pg. R2. Monica Sălcianu, Anamaria Hariton and Cristian Zet, A Led Matrix Manager Sniffer, Bulletin of the Polytechnic Institute of Iasi, Vol. 68 (72), No. 2 2022, pp.9-20, 12 pg. <p>VArticol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</p> <ol style="list-style-type: none"> V1. Cristian Zet, Cristian Fosalau, Anamaria Hariton, Automated INL and DNL Testing System as a Didactic Laboratory Application, 13th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2023, 5 V2. Cristian Zet, Cristian Fosalau, Anamaria Hariton, Gabriel Constantin Sarbu, Improved Distance Measurement Using Ultrasonic Sensors – SIELMEN 2023 1 V3. Cristian Zet, Cristian Foșalău, Anamaria Hariton, Study on the possibilities of detecting recyclable waste using the dielectric properties of materials, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 6, 2021, p. 444-447, 4 pg. 1,33 V4. Anamaria Hariton, Cristian Zet, Emil Vremera, Cristian Fosalau, Remote Laboratory - Study of Digital Oscilloscope, 11th International Conference and Exposition of Electrical and Power Engineering (EPE2020), Iași, October 22-23, 2020, pp. 495-500, 6 pg. V5. Cristian Fosalau, Cristian Zet, Anamaria Hariton, Using Kalman Filters for Increasing Accuracy of Distance Measurement Using a Single Camera, 11th International Conference and Exposition of Electrical and Power Engineering, Iași (EPE2020), October 22-23, 2020, pp. 575-581, 7 pg. 1,33 V6. Cristian Zet, Cristian Fosalau, Anamaria Hariton, Generating Programmable Waveform using FPGA, 11th International Conference and Exposition of Electrical and Power Engineering (EPE2020), Iași, October 22-23, 2020, pp. 704-708, 5 pg.
<p>S.I univ. dr. ing. IGNĂTESCU- Manea Irina</p>	<p>D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.</p> <p>Andrei Slonovschi, Liviu Prună, Irina IGNĂTESCU-MANEA, Ioana-Roxana Baciú Infografică. Autocad. Comenzi ce permit modificarea proprietăților obiectelor. Comenzi, setări și stiluri de cotare. Cotarea desenelor tehnice. Comenzi de interogare. Comenzi ce permit crearea contururilor închise. Editura Pim, Iași, 2024, ISBN 978-606-13-8168-5</p> <p>H.Lucrări științifice publicate în reviste din țară, recunoscute CNCIS.</p> <ol style="list-style-type: none"> 1. Irina IGNĂTESCU MANEA, "A PRACTICAL STUDY ON THE SURFACES OCCUPIED BY SANITARY FIXTURES IN THE BATHROOM", JIDEG vol. 19 No. 2 (2024): ISSUE 2, 2024, pg. 19-28 2. Irina IGNĂTESCU MANEA, Vanda-Ligia DĂNĂILĂ, „STUDY ON IMPROVING THE TEACHING METHODS OF GRAPHIC DISCIPLINES AFTER THE PANDEMIC”, JIDEG vol. 19, ISSUE 1, 2024, pg. 251-256 3. Vanda-Ligia DĂNĂILĂ, Irina IGNĂTESCU MANEA, „INFLUENCE OF PARAMETERS OF THE ELECTRO-

	<p>HYDRAULIC DEFORMING EQUIPMENT ON THE GEOMETRIC CHARACTERISTICS OF WORKPIECE”, JIDEG vol. 19, ISSUE 1, 2024, pg. 45-48</p> <p>4.Oana NECULAI, Irina IGNĂTESCU-MANEA, Ana-Maria TOMA, Liliana BODESCU „HYPERBOLIC SUSPENDED GREENHOUSES”, JIDEG vol. 17, ISSUE 2, 2022, pg. 65-68</p> <p>5.Ana-Maria TOMA, Irina IGNĂTESCU MANEA, Oana NECULAI “AUTOCAD CAN BE FUN!”, JIDEG vol. 17, ISSUE 2, 2022, pg. 61-64</p> <p>I.Lucrări științifice publicate în volumele conferințelor.</p> <p>1.Irina IGNĂTESCU MANEA, Oana NECULAI, Ana-Maria TOMA, „A STUDY ABOUT BUILDING A GARDEN INSIDE A KINDERGARTEN”, 9th International Conference on Engineering Graphics and Design 2024, JIDEG vol. 19, ISSUE 1, 2024, pg. 213-218, June 14-15, 2024, Cluj-Napoca</p> <p>2.Ana-Maria TOMA, Irina IGNĂTESCU MANEA, Oana NECULAI, „METHODS OF GENERATING AUTOCAD 3D SECTIONS”, 9th International Conference on Engineering Graphics and Design 2024, JIDEG vol. 19, ISSUE 1, 2024, pg. 121-124, June 14-15, 2024, Cluj-Napoca</p>
<p>S.I. dr.ing. NACU, C. Ionuț</p>	<p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <p>R1 - B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. I. 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</p> <p>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</p> <p>V1 - A. Vilcu, M. Pîslaru, I. Nacu, B. Virlan, Ș. E. Moșneguțu and I. V. Herghiligiu, "Design of a Single-Phase Asynchronous Motor Prototype by Overlaying the Value Analysis Method on Dynamic Simulation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 670-675, doi: 10.1109/EPEi63510.2024.10758111</p> <p>V2 - I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090</p> <p>V3 - B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116</p> <p>V4 - M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi: 10.1109/EPEi63510.2024.10758153</p> <p>V5 - A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173</p> <p>V6 - B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796.</p> <p>V7 - L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects</p>

on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784.

V8 - I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811.

V9 - A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755.

V10 - A.Vîlcu, I. Nacu, B. Vîrlan, I-V. Herghelegiu, S. Lupăcescu, A. Dragomir," Incremental Innovation Methodology that Combines Computerized Modelling and Simulation with Value Analysis and Engeneering Method" – BIPI Vol. 68 (72), Nr. 4, pp.27-43, 2023, DOI:10.2478/bipie-2022-0020

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V12 - Virlan Bogdan; Simion Alecsandru; Munteanu Adrian; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),388-392

V13 - V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327.

V14 - A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 349-352, doi: 10.1109/SIELMEN53755.2021.9600382.

V15 - A. Munteanu, A. Bobu, L. Livadaru, B. Vîrlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In-Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.

V16 - V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator" 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537

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<p>Lect.dr. ȘTIRBU Ioan</p>	<p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.</p> <p>1.Huțanu, G., Andrușcă, L., Popa, M., Paraschiv, P., Manole, V., Știrbu, I., & Cimpoesu, N. (2024). ANALYSIS OF FRACTURE THROUGH TENSION AND TORSION OF 316L STAINLESS STEEL. International Journal of Modern Manufacturing Technologies (IJMMT), 16(2).</p> <p>2.MISTREANU, S., TUDOSE-SANDU-VILLE, F., MUNTEANU, C., CIMPOESU, R., LUTCANU, M., ȘTIRBU, I., ... & CIMPOEȘU, N. (2024). INFLUENCE OF CORROSION ON THERMO-MECHANICAL CONTACT FATIGUE IN ROLLING CONDITIONS WITH LOW AMPLITUDE SLIDING. Archives of Metallurgy & Materials, 69(2).</p> <p>3.Chelariu, R. G., Cimpoesu, N., Paraschiv, P., Prisecariu, B. A., Rusu, I., Știrbu, I., ... & Bejinariu, C. (2024). Structural and Mechanical Properties of Hot Rolled CuAlBe Non-Spark Alloy Explosion. Archives of Metallurgy and Materials, 69(1), 263-268.</p> <p>4.LUȚCANU, Marian et al. ANALYSIS OF ELECTRICAL DISCHARGE MACHINING (EDM) CUT OF CERAMIC LAYERS OBTAIN THROUGH ATMOSPHERIC PLASMA SPRAYING (APS) ON STEEL SUBSTRATE. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 65, n. 4S, mar. 2023. ISSN 2393–2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2049>.</p> <p>5.Roman, A. M., Chelariu, R., Cimpoesu, R., Stirbu, I., Ionita, I., Cazacu, M. M., ... & Sodor, A. (2022). Analysis of the Corrosion Rate of FeMn-Si Biodegradable Material. Archives of Metallurgy and Materials, 67(4), 1243-1250.</p> <p>6.Cimpoesu, R., Vizureanu, P., Știrbu, I., Sodor, A., Zegan, G., Prelipceanu, M., ... & Ioanid, N. (2021). Corrosion-resistance analysis of ha layer deposited through electrophoresis on Ti4Al4Zr metallic substrate. Applied Sciences, 11(9), 4198.</p> <p>7.Lutcanu, M., Istrate, B., Coteata, M., Chicet, D. L., Ionita, I., Paraschiv, C., ... & Cimpoesu, N. (2021, February). Structural aspects and chemical analyses on cutting process of metallic-ceramic materials. In IOP Conference Series: Materials Science and Engineering (Vol. 1037, No. 1, p. 012033). IOP Publishing.</p> <p>8. Paraschiv, C., Știrbu, I., Cimpoesu, R., Bernevig, M., Nejeru, C., Manole, V., Cimpoesu, N., Zegan, C., Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Optoelectronics and Advanced Materials - Rapid Communications, 10 (1-2), pp. 87-90, 2016.</p> <p>9. Zegan, G., Cimpoesu, R., Agop, M., Știrbu, I., Chicet, D.L., Istrate, B., Alexandru, A., Anton Prisacariu, B., Improving the HA deposition process on Ti-based advanced alloy through sandblasting, Optoelectronics and Advanced Materials, Rapid Communications, Vol.10, 3-4, 2016, 279-284.</p> <p>Lucrări științifice publicate în volumele conferințelor.</p> <p>1. Todirică, F., Chicet, D. L., Achiței, D., Manole, V., Bernevig, M., Știrbu, I. & Cimpoesu, N. (2025). Using energy dispersive spectroscopy (EDS) for a stainless steel-brass welding interface characterisation [Paper]. Proceedings - 56th</p>

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<p>Asist. dr. ing. GABOR Georget</p>	<p>Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS (sau CNCS)</p> <p>1. Costică Nițucă (coord.), Ilie Nucă (coord.), Adrian Traian Pleșca, Gabriel Chiriac, Vadim Cazac, Marcel Burduniuc, Georget Gabor, Adrian Moldovan, Guideline regarding the improve of the energetical performances for an electric bus, Ed. Tritonic, București, 2022, 220 pag. (în limba engleză)</p> <p>I.Lucrări științifice publicate în volumele conferințelor</p> <p>1. Georget 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.</p> <p>2. 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 IEEEExplore.</p> <p>3. Georget 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 IEEEExplore.</p> <p>4. Georget 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 IEEEExplore.</p> <p>5. Florinel Lupoiu, Adrian Traian Plesca, Georget Gabor, “New Solution for Cereals, Vegetables and Fruits Storage”, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEEExplore.</p> <p>6. Georgian-Cosmin Pintilie, Adrian Traian Plesca, Florin-Andrei Rusu ,Georget Gabor, “New Materials for Heating Systems”, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEEExplore.</p> <p>7. Dorin-Dumitru Lucache ,Georget 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 IEEEExplore.</p> <p>8. Petru Valentin Roșu, Adrian-Traian Plesca ,Georget Gabor, Gabriel Chiriac, “Optimizing the Operation of Photovoltaic Panel Systems”, International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, , indexată IEEEExplore.</p> <p>9. Gabriel Mocanu, Adrian-Traian Plesca ,Georget 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 IEEEExplore.</p>

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	<p>Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională P1 ȘCOALĂ ANTREPRENORIALĂ PENTRU SUSȚINEREA INIȚIATIVELOR DE AFACERI STUDENȚEȘTI INOVATIVE (SASIASI)- CNFIS-FDI-2019-0192, http://sas-usamvias.ro/ P2 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 P3DEZVOLTAREA 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</p>
<p>Dr.mat. CEUCA Razvan</p>	<p>F.Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale. 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.</p> <p>Contracte de cercetare. 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</p> <p>Publicații pentru mediul preuniversitar: 1. Cicu, I., Smarandache, S., Iacob, I., Ceucă, R. D., Matematică - Manual pentru clasa a V-a, ediția 2022, Intuitext 2. Cicu, I., Smarandache, S., Mareș, S., Iacob, I., Ceucă, R. D., Culegere de matematică. Clasa a V-a, 2017, editura Intuitext 3. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A., Matematică. Suport teoretic și exerciții aplicative. Clasa a VI-a, 2018, editura Intuitext 4. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A., Matematică. Clasa a VII-a, Manual școlar, 2019, editura Intuitext 5. Cicu, I., David, E. M., Iacob, I., Ceucă, R. D., Matematică. Clasa a VIII-a, Manual școlar, 2020, editura Intuitext 6. 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 7. 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</p>
<p>(Asociat) Conf.dr.ing. COCIU Radu</p>	<p>Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale. 2. V.R.Cociu, L.Cociu, On the Stator Flux of an Induction Machine Asymmetrical Supplied, EPE 2018, Iasi, oct.18-19, 2018 3. V.R.Cociu, L.Cociu, On the Main Flux of an Induction Machine Asymmetrical Supplied, EPE 2018, Iasi, oct. 18-19, 2018 4. V.R.Cociu, L.Cociu, , Park Transformation for an Asymmetrical System, Buletinul Inst. Pol. Iasi, Vol 63 (67), no. 2, 2017, Sectia Electrotehnica ,Energetica Electronica, pp.15-26 5. V.R.Cociu, L.Cociu, , On the Stator Current of an Induction Machine Asymmetrical Supplied, Buletinul Inst. Pol. Iasi, Vol 63 (67), no. 4, 2017, Sectia Electrotehnica ,Energetica Electronica, pp.9-19 6. Cociu R.V., Cociu Livia, Analyzing the Symmetrical Components of the Stator Current of an Induction Machine under Internal Fault., EPE 2016 9TH International Conference on Electrical and Power Engineering, 20-22 October</p>

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<p>Drd. asist. ing. DOBOȘ Ioan-Marian</p>	<p>I. Lucrări științifice publicate în volumele conferințelor</p> <p>1. I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090, (IEEE Xplore).</p> <p>2.B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116, (IEEE Xplore).</p>
<p>Dr. ing. FILIP Tudor</p>	<p>Articole publicat în reviste cotate ISI, cu factor de impact</p> <p>I.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.</p> <p>I.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.</p> <p>I.3.Marius Andrei Olariu, Tăchiță Vlad-Bubulac, Tudor Alexandru Filip and Ina Turcan, "Dielectric anisotropy in self-assembling MXene-based lyotropic nematic compounds", J. Phys. D: Appl. Phys., 2024.</p> <p>I.4.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.</p> <p>I.5.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.</p> <p>I.6.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.</p> <p>Articole publicate în reviste indexate în baze de date internaționale (BDI)</p> <p>II.1.Tudor-Alexandru Filip, Mădălina-Petronela Simion, Ina Turcan, 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</p> <p>Articole publicate în volumele unor manifestări științifice indexate în baze de date internaționale (BDI)</p> <p>III.1.V. -A. Scarlatache, M. A. Olariu, F. Scarlatache, S. Aradoaei, T. A. Filip and M. P. Simion, "Modeling and</p>

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<p>Drd. asist. ing. GHINDĂ Iulian Dumitru</p>	<p>Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale:</p> <p>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</p> <p>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</p> <p>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</p>

	<p>Eugen Harasim, Iulian Ghinda, Codrin Donciu – Mini patterns algorithm for industrial applications, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE</p> <p>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</p> <p>Iulian Ghinda, Codrin Donciu - Distance measurements using 40L16 ultrasonic sensors, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE</p> <p>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 Engineering (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE</p>
<p>Drd. asist. ing. MITOCARU Alexandru</p>	<p>Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale:</p> <ol style="list-style-type: none"> 1. D. C. Irimia, A. Mitocaru, A. G. Baciuc, M. S. 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), November 21-23 2019, Iași, Romania 2. A. Mitocaru, M. S. Poboroniuc, D. C. Irimia, A. G. Baciuc, Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 06-08 2021, Iași, Romania 3. R. Ionașcu, A. I. Roman, M. S. Poboroniuc, D. C. Irimia, A. Mitocaru, A Smart FES and Mechatronic Glove System MANUTEX Aiming for Recovery of the Upper Limb in Stroke People, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 06-08 2021, Iași, Romania 4. M. S. Poboroniuc, D. C. Irimia, R. Ionașcu, A. I. Roman, A. Mitocaru, A. G. Baciuc, Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke, 2021 International Conference on e-Health and Bioengineering (EHB), November 18-19 2021, Iași Romania 5. A. Mitocaru, M. S. Poboroniuc, D. C. Irimia, S. Plăcintă, A.G. Baciuc, Brain-Computer Interface Based Control for a Humanoid Robot, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), October 20-22 2022, Iași, Romania 6. S. Plăcintă, M. S. Poboroniuc, D. C. Irimia, A. Mitocaru, Extending the Control's Number in Motor Imagery Based Brain-Computer Interfaces Applications, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), October 20-22 2022, Iași, Romania 7. R. Ionașcu, M. S. Poboroniuc, A. I. Roman, A. Mitocaru, T. Piseru, E. A. Piseru, D. C. Irimia, Hybrid FES & Mechatronic Hand Control Method for Upper Limb Rehabilitation Systems, 2022 E- Health and Bioengineering Conference (EHB), November 17-18 2022, Iași Romania 8. M. S. Poboroniuc, A. I. Roman, R. Ionașcu, T. Piseru, A. Piseru, D. C. Irimia, A. G. Baciuc, A. Mitocaru, Hybrid fes&mechatronic devices aiming to assess and support rehabilitation in stroke people, THE 27th INTERNATIONAL CONFERENCE OF INVENTICS "INVENTICS 2023-Science of Creativity", June 21-23 2022, Iași, Romania 9. A. Mitocaru, M. S. Poboroniuc, A. G. Baciuc, D. C. Irimia, Animated application to control humanoid robot through a brain-computer interface, The VII th International Fair of Innovation and Creative Education for Youth (ICE-USV), July 07-09 2023, Suceava, Romania 10. M. S. Poboroniuc, R. Ionașcu, A. I. Roman, A. Piseru, T. Piseru, D. C. Irimia, A. Mitocaru, A. G. Baciuc, Clinically tested mechatronic devices for hand rehabilitation, The 15th Edition European Exhibition of Creativity and Innovation EUROINVENT, Mai 11-13 2024, Iași România 11. A. Mitocaru, A. Buzamat, M. S. Poboroniuc, D. C. Irimia, A. G. Baciuc, Brain Computer Interface Controlled

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<p>Drd. asist. ing. PINGESCU M. Bogdan-Andrei</p>	<p>V Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</p> <p>V1 B. Pingescu, D. Astanei, R. Burlică, V.D. Asmarandei, O.B. Beniugă, V. Gheorghe, Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 632-635, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758134</p> <p>V2 A. Dragomir, M. Adam, D.-G. Astanei, B.-A. Pingescu, A.-D. Paizan, A. Bodoga, Digital Communication Capabilities of Low Voltage Circuit Breakers, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 176-181, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758137</p> <p>V3 B.-A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, C. R. Beniugă, R. Burlică, High conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 616-619, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758144</p> <p>V4 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 (CSD2025), pg. 117, May 202, Iași, Romania</p> <p>V5 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)</p> <p>V6 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</p> <p>Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date</p> <p>V1 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, Chișinău, Republica Moldova</p> <p>V2 O. Beniugă, B. A. Pingescu, C. R. Beniugă, D. G. Astanei, F. Lebeau, R. Burlică Enhancing Reactive Species Availability for Plant Growth Through Plasma-Activated Water Integration in Sustainable Farming, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chișinău, Republica Moldova</p> <p>V3 C.R. Beniuga, M. Tirșu, 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, Chișinău, Republica Moldova.</p>

**(Asociat) Prof.dr.ing. PRISACARU
Gheorghe**

Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS

Cb1. "Platforme mecatronice pentru educatie si cercetare" – coordonator prof.dr.ing. Vistrian Maties, capit. Educatie si cercetare mecatronica la Universitatea Tehnica Gheorghe Asachi din Iasi, Ed. TODESCO-ISBN 978-973-7695-79-6, 2016, co-autori Gh. Prisăcaru, D. Olaru (25 pag.)

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R1. Vlad Carlescu, Florin Breaban, Gheorghe Prisăcaru, Gelu Ianus, Maria Cazacu, Electromechanical Strain Response of PDMS/TiO₂/SiO₂ at Variable Electric Fields, Revista Materiale plastice, 60, nr. 2- 2013, Bucuresti, ISSN 0025/5289, p.p. 141-145.

Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)

V1. Emanuel Miron, João P.M.A. Silva, José Machado, Dumitru Olaru, Gheorghe Prisacaru - Using ICT Techniques for Improving Mechatronic Systems' Dependability, 11th International Conference of Numerical Analysis and Applied Mathematics Rhodes, Greece, 21-27 September, 2013, AIP Conf. Proc. 1558, 1033- 1036 (2013); doi: 10.1063/1.4825681, © 2013 AIP Publishing LLC 978-0-7354-1184-5/\$30.00

V2. Ciprian STAMATE, Dumitru OLARU, Gheorghe PRISACARU, Gelu IANUS - Rolling Friction in the Mechatronic Microsystems, International Conference 6th Workshop on European Scientific and Industrial Collaboration on promoting Advanced Technologies in Manufacturing WESIC'08, Bucharest, 25-26 September 2008 , pp. 295 – 302 (baza de date Microsoft Academic Search)

V3. Prisacaru, G; Diaconu, I; Marta, C, et al. - Interconnected poly(dimethyldiphenylsiloxane)/silica networks for electrical actuation, 19th International Symposium of the Danube-Adria-Association-for- Automation-and-Manufacturing, OCT 22-25, 2008 Trnava SLOVAKIA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Pages: 1145-1146

ISI Proceedings Conference.

Brevet de invenție acordat în țară

B1. Brevet de invenție nr. 127562 A2 - RO-BOPI 6/2012, din 29.06.2012 Titlul brevetului : Procedeu și microtribometru inerțial pentru studiul fenomenului de frecare de rostogolire Autori brevet :Olaru Dumitru, Stamate Vasile Ciprian, Prisăcaru Gheorghe, Ianuș Gelu

B2. Brevet de invenție nr. 127849 A2,- RO-BOPI 9/2012, din 28.09.2012 Titlul brevetului: Microtribometru gravitațional pin-disc pentru studiul fenomenului de frecare de alunecare Autori brevet : Olaru Dumitru, Stamate Vasile Ciprian, Prisăcaru Gheorghe, Ianuș Gelu, Dumitrașcu Alina Corina

Proiecte de cercetare-dezvoltare

P1. Proiect transfrontalier: 2SOFT/1.1/64 – CBCinMEE Cross border cooperation in mechatronics engineering education –(2020-2022) Beneficiar lead: Universitatea Tehnică a Moldovei Beneficiary 1: Universitatea Tehnică Gheorghe Asachi din Iași Responsabil de proiect : conf.dr.ing. Gelu Ianuș, Membru colectiv cercetare: prof.dr.ing. Gheorghe PRISĂCARU Valoare contract: 167777 Euro

P2. Proiect transfrontalier: 2SOFT/1.1/11 – CROSSCOMP Cross-Border Regional Hub of Competences for the Automotive Industry – (2020-2022) Beneficiar lead: Universitatea Tehnică Gheorghe Asachi din Iași Beneficiary 1: Universitatea Tehnică a Moldovei Beneficiarz 2: Beneficiary 3: Universitatea Agrara de Stat din Moldova Responsabil de proiect : conf.dr.ing. Nicolae Lucanu Membru colectiv cercetare: prof.dr.ing. Gheorghe PRISĂCARU Valoare contract: 286718 Euro

<p>Drd. asist. ing. SĂLCEANU Andrei</p>	<p>V Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)</p> <p>Andrei 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. 651-657, DOI: 10.1109/SIELMEN67352.2025.11260651</p> <p>Andrei Sălceanu, E. Lunca and O. M. 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, 2025, pp. 501-507, DOI: 10.1109/SIELMEN67352.2025.11260778</p> <p>R. Jahrstorfer, Andrei Sălceanu and G. Balan, "Influence of Humidity and Temperature on Potential Induced Degradation from a Maintenance Perspective," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 513-517, DOI: 10.1109/SIELMEN67352.2025.11260793</p> <p>R. Jahrstorfer, Andrei Salceanu and G. Balan, "Experimental Approaches to the Influence of Shunt Resistance on Potential Induced Degradations," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 518-524, DOI: 10.1109/SIELMEN67352.2025.11260788</p> <p>P. C. Oprea, Andrei Sălceanu, M. V. Păuleț and M. C. Moruz, "Approach to Floral Digital Models from a SAR Perspective," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 484-489, DOI: 10.1109/SIELMEN67352.2025.11260690</p> <p>P. C. Oprea, M. V. Păuleț and Andrei Sălceanu, "Study on Adult-Child Differences from the Perspective of Radiofrequency Electromagnetic Energy Absorption," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 1-6, DOI: 10.1109/SIELMEN67352.2025.11260562</p> <p>G. Bălan, E. Serea and Andrei Sălceanu, "A Cost-Effective Continuous Thermal Monitoring Solution for Electrical Panels Using Thermocouples," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 466-471, DOI: 10.1109/SIELMEN67352.2025.11260682</p> <p>M. C. Moruz, S. C. Vornicu, P. C. Oprea and Andrei 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, DOI: 10.1109/SIELMEN67352.2025.11260748</p>
<p>Prof.dr.ing. SCHREINER Cristina Mihaela</p>	<p>Articol publicat în revistă cotate ISI, cu factor de impact</p> <ol style="list-style-type: none"> 1. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment, Polymers Journal 2023, Volume 15, Issue 19, 3859, DOI: 10.3390/polym15193859, WOS: 001083084200001. 2. Mihaela Aradoaei, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, Piezoelectric thin Film Composites with BaTiO3 for Microelectronics, Revista de Materiale Plastice, 2023, vol.:60, Issue 4, pp. 10-130, DOI:10.37358/MP.23.4.5683, WOS:001143872900006. 3. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pinte, Mihaela Baibarac, Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001. 4. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, Mihaela Aradoaei, Violeta Tsakiris,

Jana Pinte, Virgil Marinescu, Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe₂O₄ Powders, Polymers Journal 2023, Volume 15, Issue 11, 2447, DOI: 10.3390/polym15112447, WOS:001005724100001.

5. Romeo C. Ciobanu, Radu F. Damian, Cristina M. Schreiner, Mihaela Aradoaei, Alexandru Sover, Askok M. Raichur, Simulation of Dielectric Properties of Nanocomposites with Non-Uniform Filler Distribution, Polymers Journal 2023, Volume 15, Issue 7, 1636, DOI: 10.3390/polym15071636, WOS:000970081800001.

6. Romeo C. Ciobanu, Mihaela Aradoaei, Alina R. Caramitu, Ioana Ion, Cristina M. Schreiner, Violeta Tsakiris, Virgil Marinescu, Elena G. Hitruc, Magdalena Aflori, Special Packaging Materials from Recycled PET and Metallic Nano-Powders, Polymers Journal 2023, Volume 15, Issue 15, 3161, DOI: 10.3390/polym15153161, WOS:001046370500001.

7. Romeo C. Ciobanu, Cristina M. Schreiner, Mihaela Aradoaei, Gabriele E. Hitruc, Bogdan G. Rusu, Magdalena Aflori, Characteristics of Composite Materials of the Type: TPU/PP/BaTiO₃ Powder for 3D Printing Applications, Polymers Journal 2023, Volume 15, Issue 1, 73, DOI: 10.3390/polym15010073, WOS: 000909131900001.

8. Alina Ruxandra Caramitu, Ioana Ion, Adriana Mariana Bors, Cristian Romeo Ciobanu, Cristina Schreiner, Mihaela Aradoaei, Ana-Maria Daniela Caramitu, Physico-chemical characterization of paint films with electromagnetic properties, Revista Materiale Plactice, 2022, Volumul: 59, nr. 2, pp 9-23, DOI: 10.37358/MP.22.2.5580, WOS:000831634900002.

9. RC Ciobanu, C Schreiner, R Damian, High frequency electromagnetic energy phenomena in chiral dielectric structures with distributed and localized conductive insertions, Composites Part B: Engineering 160, 241-248

10. AD La Rosa, SA Grammatikos, RC Ciobanu, C Schreiner, Electromagnetic Shielding for Buildings Using Hybrid Polymer Composites: A Life Cycle Assessment Study, Key Engineering Materials 827, 452-457

Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)

1. Limits and Particularities of the Synthesis of Ba_{1-x}Ca_xTiO₃ for Piezoelectric Applications, by Topochemical Conversion from Molten Salt Solutions Vlaicu, ID; Maraloiu, AV; Ciobanu, RC, Schreiner, C; Plopa, O 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018

2. Aided Decision Making for Hybrid Energy Systems Planning in Micro-Grids Scarlatache, F; Grigoras, G; Schreiner, C; Ciobanu, RC 2018 SMART CITY SYMPOSIUM PRAGUE (SCSP)

3. Patterns Discovery of Load Curves Characteristics Using Clustering Based Data Mining Neagu, B; Grigoras, G; Schreiner, C; Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017

4. Identification of pilot nodes for secondary voltage control using K-means clustering algorithm Grigoras, G; Neagu, BC; Schreiner, C; Ciobanu, RC 26th IEEE International Symposium on Industrial Electronics (ISIE) 2017

5. Influence of Hybrid Energy Systems on Micro-Grids Control Scarlatache, F; Grigoras, G; Schreiner, C; Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017

6. LTCC-based Ceramic Microsystems with Integrated Fluidic Elements and Sensors Belavic, D; Hodnik, M; (...); Ciobanu, R, Schreiner, C 9th International Conference and Exposition on Electrical and Power Engineering (EPE) 2016

Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale -

PI. Membru în echipa de implementare a proiectului 'Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice', Programul Operațional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei

	<p>P2. Membru în echipa de implementare a proiectului proiect 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operațional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei</p> <p>P3. Membru în echipa de implementare a proiectului '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 Operațional Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei,</p> <p>P4. Director al proiectului M-Era Net INTCERSEN nr. 1132/2015, Integrated sensors with microfluidic features using LTCC technology</p> <p>P5. Director al proiectului PNIII - ERANET, COFUND-MANUNET, nr. 17/2018, Îmbunătățirea tehnologiilor de printare pentru fabricarea economică a sistemelor de analiză tip Point of Care</p> <p>P6. Director al proiectului PNIII - ERANET, MANUNET-III nr. 149/2020, Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane</p>
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