Anexa -B.9.5 Rezultatele activităţii de cercetare desfăşurate de personalul didactic şi de cercetare (ultimii 5 ani)

Instituția de învățământ superior:	Universitatea Tehnică „Gheorghe Asachi” din Iași
Facultatea:	Construcții de Mașini și Management Industrial
Domeniul de licență:	Inginerie Mecanică
Programul de studii de licență:	Mașini și Sisteme Hidraulice și Pneumatice

REZULTATELE ACTIVITĂŢII DE CERCETARE DESFĂŞURATE DE PERSONALUL DIDACTIC ŞI DE CERCETARE (ULTIMII 5 ANI)

CATEGORIE REZULTAT	REZULTATELE ACTIVITĂŢII DE CERCETARE (2021-2025)
1. Cărţi/capitole cărţi publicate în străinătate	
	1) Bejinariu, C. Darabont, D.C., Burduhos-Nergis, D.P. *INCDPM Method for Assessing the Risk of Occupational Injury and Illness at Work* – Book Chapter. *Occupational Health and Safety* – Book. Editors: Rotaru, M., Cioca, L.I., pp. 127-147. ISBN (Online): 978-981-5165-52-4. ISBN (Print): 978-981-5165-53-1. ISBN (Paperback): 978-981-5165-54-8. 2024, Bentham Books imprint. Published by Bentham Science Publishers Pte. Ltd. Singapore.
	2) Bejinariu, C., Cimpoesu, N. *Corrosion Resistance Enhancement of the Materials Surface*. Special Issue Reprint. Editors, Costica Bejinariu, Nicanor Cimpoesu. https://www.mdpi.com/books/book/7726. ISBN 978-3-0365-8029-6 (hardback), ISBN 978-3-0365-8028-9 (PDF). https://doi.org/10.3390/books978-3-0365-8028-9. https://mdpi-res.com/bookfiles/book/7726/Corrosion_Resistance_Enhancement_of_the_Materials_Surface.pdf?v=1691418118. This is a reprint of articles from the Special Issue published online in the open access journal Materials (ISSN 1996-1944) (available at: https://www.mdpi.com/journal/materials/special_issues/corrosion_resistance_enhancement). August 2023. 194 pg.
	3) Burduhos-Nergis, D.P., Bejinariu, C., Sandu A.V. *Phosphate Coatings Suitable for Personal Protective Equipment*. Published by Materials Research Forum LLC. Millersville, PA 17551, United States of America, 2020. Published as part of the book series. Materials Research Foundations. Volume 89 (2021). ISSN 2471-8890 (Print). ISSN 2471-8904 (Online). Print ISBN 978-1-64490-110-6. ePDF ISBN 978-1-64490-111-3. 188 p. doi: https://doi.org/10.21741/9781644901113
	4) Burduhos-Nergis, D.-P., Cazac, A., Cimpoesu, N., Benchea, M., Bejinariu, C. *Tribological Characterization of Zn-Zr-Sr Conversion Coatings Deposited on Ti6Al4V*. (2025) Springer Proceedings in Materials, 95, pp. 28-51. DOI: 10.1007/978-3-032-08769-0_4. Document Type: Book Chapter. Publication Stage: Final. Source: Scopus. https://link.springer.com/book/10.1007/978-3-032-08769-0.
	5) Burduhos-Nergis, D.-P., Sandu, A.V., Burduhos-Nergis, D.-D., Cimpoesu, N., Benchea, M., Popa, M., Bejinariu, C. *Tribological Characterization of Phosphate Coatings Deposited on Ti6Al4V*. (2023) Springer Proceedings in Materials, 38, pp. 9-21. DOI: 10.1007/978-3-031-45964-1_2. Document Type: Book Chapter. Publication Stage: Final. Source: Scopus. https://link.springer.com/book/10.1007/978-3-031-45964-1?sap-outbound-id=105B514606B2E29F4CAE44EFB69E57872F43982B&utm_source=standard&utm_medium=email&utm_campaign=000_LAN36_0000019083_Book%20author%20congrats%20NEW&utm_content=EN_34155_20231028&mkt-key=3BD70CE608B01EEE85E3CDA1AAC91B0B
	6) Burduhos-Nergis, D.-P., Sandu, A.V., Burduhos-Nergis, D.-D., Nejneru, C., Vizureanu, P., Bejinariu, C. *Phosphate Conversion Coatings for Biomaterials: A Bibliometric Analysis*. (2023) Springer Proceedings in Materials, 38, pp. 203-214. DOI: 10.1007/978-3-031-45964-1_18. Document Type: Book Chapter. Publication Stage: Final. Source: Scopus. https://link.springer.com/book/10.1007/978-3-031-45964-1?sap-outbound-id=105B514606B2E29F4CAE44EFB69E57872F43982B&utm_source=standard&utm_medium=email&utm_campaign=000_LAN36_0000019083_Book%20author%20congrats%20NEW&utm_content=EN_34155_20231028&mkt-key=3BD70CE608B01EEE85E3CDA1AAC91B0B
	7) Buzea, C. G., Eva, L., Prelipceanu, M., Cazacu, M. M., Garofalide, S., & Agop, M. (2021). Coronavirus disease COVID-19 tracking the global outbreak. SEIR compartmental model applied to SARS-CoV-2 epidemic in Romania. Biomedical Engineering Tools for Management for Patients with COVID-19, 87–102, Capitolul 5, https://doi.org/10.1016/B978-0-12-824473-9.00002-1
	8) Catalin Gabriel Dumitras, Mihaita Horodinca, Adriana Munteanu, Florin Chifan, Dragos-Florin Chitariu, George-Gabriel Chiriac, Vibration in Metal Cutting Process, IntechOpen 2024
	9) Cazac, A., Burduhos-Nergis, D.-P., Sandu, A.V., Vizureanu, P., Bejinariu, C. *Strontium*

	Phosphate Used in Biomedical Applications: A Short Review. (2025) Springer Proceedings in Materials, 95, pp. 1-7. DOI: 10.1007/978-3-032-08769-0_1. Document Type: Book Chapter. Publication Stage: Final. Source: Scopus. https://link.springer.com/book/10.1007/978-3-032-08769-0.
	10) Cătălin Gabriel DUMITRAŞ, Mihăiţă HORODINCĂ, Adriana MUNTEANU, Florin CHIFAN, Dragoş Florin CHITARIU, George Gabriel CHIRIAC, Cap. Vibration in Metal Cutting Process, From The Edited Volume Vibration Engineering - Analysis, Control, and Utilization, 2025, Chapter 3 pg. 55-80, DOI: 10.5772/intechopen.1006779, eBook (PDF) ISBN: 978-1-83634-807-8
	11) Chelariu, R.G., Cimpoesu, R., Vasilescu, G.D., Bejinariu, C. New Shock-Resistant Materials for Work Equipment used in Potentially Explosive Atmospheres. Published by Materials Research Forum LLC. Millersville, PA 17551, United States of America, 2026. Published as part of the book series. Materials Research Foundations. Volume 186 (2026). ISSN 2471-8890 (Print). ISSN 2471-8904 (Online). Print ISBN 978-1-64490-386-5. ePDF ISBN 978-1-64490-387-2. 108 p. doi: https://doi.org/10.21741/9781644903872
	12) Coman T.B. , M.M. Cazacu, G. Apreotesei., M. Prelipceanu, I. Radinschi; In-person versus virtual activities: Assessing the usefulness and impact of simulated experiments, a case study, Biomedical Engineering Tools for Management for Patients with COVID-19, Capitol carte, Academic Press, 2021, Pages 73-86, ISBN 9780128244739, https://doi.org/10.1016/B978-0-12-824473-9.00004-5.
	13) Darabont, D.C., Bejinariu, C. *Digitalization of the Occupational Health and Safety Management Processes*. Book Chapter. Springer Nature Link. Editors: Ivascu, L.,·Cioca, L.I.,·Banciu, D.,·Filip, F.G. First Online: 22 August 2024, pp 53–65. Digital Transformation. Exploring the Impact of Digital Transformation on Organizational Processes. Part of the book series: Intelligent Systems Reference Library (ISRL), volume 257, ISSN 1868-4394, e-ISSN 1868-4408. ISBN 978-3-031-63336-2, ISBN 978-3-031-63337-9 (eBook). https://doi.org/10.1007/978-3-031-63337-9. Series Editors: Janusz Kacprzyk, Polish Academy of Sciences, Warsaw, Poland Lakhmi C. Jain, KES International, Shoreham-by-Sea, UK.
	14) Darabont, D.C., Bejinariu, C. *Health and Safety Performance Monitoring and Measuring* – Book Chapter. *Occupational Health and Safety* – Book. Editors: Rotaru, M., Cioca, L.I., pp. 107-126. ISBN (Online): 978-981-5165-52-4. ISBN (Print): 978-981-5165-53-1. ISBN (Paperback): 978-981-5165-54-8. 2024, Bentham Books imprint. Published by Bentham Science Publishers Pte. Ltd. Singapore
	15) Dimitrie-Cristian Fodor, Dragoş-Florin Chitariu and Neculai-Eugen Seghedin, Modern Limb Prosthetics: Classifications, Innovations, Capitol Challenges, and the Future of Human Augmentation, Bioinspired Technology and Biomechanics, Ed. IntechOpen, Rijek, 2025, https://doi.org/10.5772/intechopen.115632.
	16) Dodun, O., Cavique, M., Slătineanu, L., Duşa, P., *Using the Axiomatic Design in Engineering* . In: Kyratsis, P., Efkolidis, N., Davim, J.P. (eds) Advances in Product Design Engineering. Management and Industrial Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-98124-2_2, 2022
	17) Florea, C.D., Bejinariu, C., Cimpoesu N., Cimpoesu, R. *Automotive Brake Disc Materials.* Published by Materials Research Forum LLC. Millersville, PA 17551, United States of America, 2021. Published as part of the book series. Materials Research Foundations. Volume 105 (2021). ISSN 2471-8890 (Print). ISSN 2471-8904 (Online). Print ISBN 978-1-64490-144-1. ePDF ISBN 978-1-64490-145-8. 142 p. doi: https://doi.org/10.21741/9781644901458.
	18) Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). (2025). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed), Loghin E.C., Marin I.E., Avădanei M.L., Verzea I., Dulgheriu I., *Chapter 7, Digital Transformation in Fashion. Advancing to a Sustainable ZW Based Industry,* 16 pages
	19) Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). (2025). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed.), Miraute L.C., Verzea I., Căsăneanu N.M., Chapter 11*, Sustainable Production in the Pharmaceutical Industry, Waste Management and Environmental Protection,* 16 pages
	20) Lazar, P., Cazac, A.M., Bejinariu, C. *Obtaining and Characterization of Phosphate Layers on the Surface of Steels for Reinforced Concrete*. Published by Materials Research Forum LLC. Millersville, PA 17551, United States of America, 2025. Published as part of the book series. Materials Research Foundations. Volume 183 (2025). ISSN 2471-8890 (Print). ISSN 2471-8904 (Online). Print ISBN 978-1-64490-380-3. ePDF ISBN 978-1-64490-381-0. 108 p. doi: https://doi.org/10.21741/9781644903810.
	21) Mihăiţă Horodincă, Florin Chifan, Emilian Păduraru, Cătălin Gabriel Dumitraş, Adriana Munteanu and Dragoş-Florin Chitariu, Cutting Processes for Materials in Manufacturing, A Study of 2D Roughness Periodical Profiles on a Flat Surface Generated by Milling with a Ball Nose End Mill, MDPI AG 2025, DOI: 10.3390/books978-3-7258-4077-9, ISBN: 978-3-7258-4077-9 (PDF)
	22) Mireştean, C. C., Agop, M., Buzea, C. G., Cazacu, M. M., Prelipceanu, M., Iancu, R. I., & Iancu, D. T. (2021). Radiotherapy challenges in COVID era. Biomedical Engineering Tools for

	Management for Patients with COVID-19, 41–72, Capitolul 3, https://doi.org/10.1016/B978-0-12-824473-9.00009-4
	23) Mireștean, C. C., Agop, M., Cazacu, M. M., Buzea, C. G., Prelipceanu, M., Iancu, R. I., & Iancu, D. T. (2022). Radiotherapy for pelvic malignancies in a COVID-19 pandemic scenario: Focus on rectal and cervical cancers. *Biomedical Engineering Applications for People with Disabilities and the Elderly in the COVID-19 Pandemic and Beyond*, 131–143, Capitolul 14, https://doi.org/10.1016/B978-0-323-85174-9.00006-6.
	24) Toma, S.L., Haraga, R.A., Chicet, D.L., Paleu, V., Bejinariu, C. CHAPTER TITLE: *Hard alloys with high content of WC and TiC - deposited by arc spraying process*. BOOK TITLE: *Welding - Modern Topics*. IntechOpen Rijeka: Janeza Trdine 9, 51000 Rijeka, Croatia London: 5 Princes Gate Court, London, SW7 2QJ, UK +44 20 8089 5702 www.intechopen.com. DOI: 10.5772/intechopen.94605. 24 p. https://www.intechopen.com/online-first/hard-alloys-with-high-content-of-wc-and-tic-deposited-by-arc-spraying-process
2. Cărţi publicate în ţară, la edituri recunoscute CNCSIS/CNCS	
	1) Andrei Slonovschi, Liviu Prună, Irina Ignătescu-Manea, Ioana-Roxana Baciu, Infografică.Autocad", Editura PIM, 2024, pg.215, ISBN 978-606-13-8168-5.
	2) Baciu, Ioana, Nature and Culture in the American Gothic, Editura Prouniversitaria, București, 2023, 222 p
	3) Bejinariu, C., Mălureanu, I., *Tehnologia materialelor * Ştiinţa şi Ingineria materialelor*, Editura Tehnopress, Iaşi, 2022, 554 pg., ISBN 978-606-687-499-1
	4) Bobu, R. - *Leadership situațional în educația timpurie*, pp 308-326, în volumul Dezvoltare și leadership în educația timpurie, Colecția Educație și formare, coord. Clipa, O., ISBN 978- 606-40- 2577-7, Editura Trei, București, 2024.
	5) Cazacu M.M., Şchiopu C.E., Rădulescu C.M., Falotă D., Bodnariu A.I., Politică publică alternativă pentru măsurarea, îmbunătățirea şi păstrarea calității aerului ambiental: Propunere de politică publică dezvoltată în cadrul proiectului „Politici publice alternative în domeniul calității aerului", ISBN: 978-606-48-1175-2, StudIS, Iasi, 2024 – 109 pg
	6) Chitariu Dragos-Florin, *Construcfla şi exploatarea dispozitivelor modulare,* Ed. Performantica, Iasi, 2024 Chitariu Dragos-Florin, Munteanu Adriana, Ciobanu Bogdan , Boca Mihai, Tugui Catalin Andrei, *Antreprenoriat Inovativ 2*, Ed. Performantica, Iasi, 2020
	7) Ciobanu Margareta Gabriela, Materiale micro- şi nanostructurate cu aplicaţii în medicină şi protecţia mediului, Ed. Performantica, Iaşi, ISBN 978-606-685-799-4, 285 pag. (format A4), 2021
	8) Ciobanu, C.I., Luca F.A. *Tendinţe în marketing : în contextul dezvoltării tehnologiilor informaţionale*. Editura Performantica, Iași, 2023, ISBN 978-630-328-057-8
	9) Constantin Sărmășan (coordonator lucrare), Chitariu Dragoș-Florin, Munteanu Adriana, Bogdan Ciobanu, Boca Mihai, Țugui Cătălin-Andrei, Editura Performantica din Iași, 2022, 230 pagini, ISBN 978-606-685-621-22.
	10) Gabriel Asandului, *Gheorghe Asachi-scurtă schiță biografică*, în Neculai Eugen Seghedin (editor), *Gheorghe Asachi. Un spirit enciclopedic*, Editura Universității „Gheorghe Asachi" din Iași, 2023, pp. 15-50.
	11) Irina Radinschi, Marius Mihai Cazacu - Physics 1 Quizzes - Performantica, Iasi, 2023, ISBN: 9786303280615
	12) Jitaru, Oana și Bobu, Roxana. (2023). Dezvoltare personală și consiliere în carieră. Ghid pentru profesori și studenți. Iași: Editura Performantica, acreditată CNCSIS București, 1142/30.06.2003 ISBN 978-630-328-058-5.
	13) Margareta Gabriela Ciobanu, *Analiza senzorială*, Ed. Performantica, Iaşi, ISBN 978-606-685-792-5, 500 pag. (format A4), 2021
	14) Margareta Gabriela Ciobanu, *Chimie - lucrări practice de laborator*, Ed. Performantica, Iaşi, ISBN 978-606-685-807-6, 200 pag. (format A4), 2021
	15) Nica Petru (Ed.) și alții (colectiv șase autori) Investigații experimentale și teoretice ale unor plasme obținute cu ajutorul laserului, Editura Performantica, 2022, ISBN 978-606-685-947-9
	16) Robu, V., Tufeanu, M., Caranfil, G., (2025), Psihologia Educației – Repere Conceptuale Și Practice, Editura Presa Universitară Clujeană, Isbn 978-606-37-2789-4, 223 Pg., Editură Clasificată B
	17) Seghedin N.E.(coord.), Asandului G., Ungureanu N.C., Grădinaru T., Cozmîncă I., *Universitatea Tehnică "Gheorghe Asachi" din Iași – Sediul de la Copou*, Ed. Universității Tehnice "Gheorghe Asachi" din Iași, Iași, 2024, 136 p. ISBN 978-973-621-555-1
	18) Seghedin N.E.(ed.), Asandului G., Ungureanu N.C., Grădinaru T., Cozmîncă I., *Traduit du roumain par*, Evagrina Dîrţu, *L'Université Technique "Gheorghe Asachi" de Iaşi: le site de Copou,* Ed. Universității Tehnice "Gheorghe Asachi" din Iași, Iași, 2025, 136 p. ISBN 978-973-621-571-1.
	19) Seghedin N.E.(ed.), Asandului G., Ungureanu N.C., Grădinaru T., Cozmîncă I., translated by Evagrina Dîrţu, "*Gheorghe Asachi" Technical University of Iaşi: Copou Building,* Ed. Universității Tehnice "Gheorghe Asachi" din Iași, Iași, 2025, 136 p. ISBN 978-973-621-570-4
	20) Verzea I., Vîlcu A., *Managementul firmei prin praguri*, Ed. Performantica, Iași, 2021, ISBN 978-606-685-770-3, 174 pag., 29 randuri pe pagină

	21)	Vîlcu A., Verzea I., Vîlcu Cătălin, Soft Compunting în practică. Metode și modele de IA pentru aplicații în inginerie și management, Ed. Perormantica, Iași, 2026, ISBN 978-630-328-181-0, 172 pag
3. Lucrări ştiinţifice publicate în reviste/proceedings cotate ISI		
	1)	A. Munteanu, D.-F. Chitariu, M. Horodinca, C.G. Dumitras, F. Negoescu, A. Savin, F. Chifan, A Study on the Errors of 2D Circular Trajectories Generated on a 3D Printer, Applied Science, 11(24), 11695, (2021), doi.org/10.3390/app112411695, (revista cotată ISI - factor de impact:2,838– zona galbenă)
	2)	A. N. Cadinoiu, D. M. Rață, L. I. Atanase, C. T. Mihai, S. E. Băcăiță, M. Popa, Formulations based on drug loaded aptamer-conjugated liposomes as a viable strategy for the topical treatment of basal cell carcinoma—in vitro tests, Pharmaceutics, 13, 866, 2021
	3)	A.I. Nistor, On Some Examples of Trajectories in R7, Mathematics, 10(19), 2022, 3480; https://doi.org/10.3390/math10193480. (ISI)
	4)	Adomnitei, I., Cimpoesu, R., Chicet, D.L., Coteata, M., Lupu, F.C., Bejinariu, C., Andrusca, L., Paraschiv, P., Axinte, M., Badarau, G., Cimpoesu, N. Behavior of YSZ (High Y_2O_3 Content) Layer on Inconel to Electro-Chemical Corrosion. Materials (MATERIALS), Volume 18. Issue 2. Article Number 400. DOI: 10.3390/ma18020400. Published 2025-01. Indexed 2025-01-30. Document Type Article. Language English. Accession Number WOS: 001404250000001. PubMed ID 39859871. eISSN 1996-1944. IDS Number T3S6H., IF 2023: 3.1, IF 2023: 3.1.
	5)	Adriana Munteanu, Dragos-Florin Chitariu, Mihaita Horodinca, Catalin-Gabriel Dumitras, Florin Negoescu, Anatolie Savin and Florin Chifan, A Study on the Errors of 2D Circular Trajectories Generated on a 3D Printer, Appl. Sci. 2021, 11, 11695. Revista Q1 - zona rosie, Factor de impact (2021) = 2.838.
	6)	Adriana Munteanu, Mihaita Horodinca, Neculai-Eduard Bumbu, Catalin Gabriel Dumitras, Dragos-Florin Chitariu, Constantin-Gheorghe Mihai, Mohammed Khdair, Lucian Oancea, A Signal Pattern Extraction Method Useful for Monitoring the Condition of Actuated Mechanical Systems Operating in Steady State Regimes, Sensors, 25(4), 1119, 2025, DOI: 10.3390/s25041119 – Q2 zona galbenă
	7)	Adriana Munteanu, Mihaita Horodinca, Neculai-Eduard Bumbu, Catalin Gabriel Dumitras, Dragos-Florin Chitariu, Constantin-Gheorghe Mihai, Mohammed Khdair, Lucian Oancea, A Signal Pattern Extraction Method Useful for Monitoring the Condition of Actuated Mechanical Systems Operating in Steady State Regimes, Sensors 2025, 25(4), 1119; https://doi.org/10.3390/s25041119, WOS:001431803400001, 2025.
	8)	Agop, M., Petrescu, TC., Filipeanu, D., Grigoras-Ichim, CE., Voda, AI., Zala, A., Dobreci, L., Baciu, C., Vasincu, D., Toward Complex Systems Dynamics through Flow Regimes of Multifractal Fluids, SYMMETRY-BASEL, Volume 13, Issue 5, Article Number 754, DOI 10.3390/sym13050754, Published MAY 2021 (FI = 2.645)
	9)	Agop, S., Paun, M.-A., Bejinariu, C., Petrescu, T.-C., Rusu, C.M., Cazac, A.M., Dumitras, C.-G., Hanganu, A.-C., Paun, V.-A., Agop, M., Paun, V.-P. Constitutive Material Laws in the Multifractal Theory of Motion (Part II). U.P.B. Sci. Bull., Series A (University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics), Vol. 86, Iss. 1, Page 137-150, 2024, Indexed 2024-09-20. Language: English. Accession Number WOS: 001310032700001. IDS Number: F5D9E. ISSN 1223-7027. IF 2023: 0.7, IF 2023: 0.7.
	10)	Ali İhsan Çelik, Yasin Onuralp Özkılıç, Özer Zeybek, Memduh Karalar, Shaker Qaidi, Jawad Ahmad, Dumitru Doru Burduhos-Nergis, and Costica Bejinariu. Mechanical Behavior of Crushed Waste Glass as Replacement of Aggregates. Materials (MATERIALS), Volume 15. Issue 22. Article Number 8093. DOI 10.3390/ma15228093. Published NOV 2022. Indexed 2022-12-07. Document Type Article. Language English. Accession Number WOS:000887381300001. PubMed ID 36431578. eISSN 1996-1944. IDS Number 6K3BE., IF 2021: 3.748, IF 2022: 3.4.
	11)	Amalia Maria Sescu, Lidia Favier, Doina Lutic, Nicolas Soto-Donoso, Gabriela Ciobanu, Maria Harja, TiO_2 doped with noble metals as an efficient solution for the photodegradation of hazardous organic water pollutants at ambient conditions, Water, 13 (1), Article Number: 19, 18 pagini (1-18), 2021. ISI-IF: 3.000 (2023)
	12)	Andreica, A.M., Andreica, M., Enache, C., Barbul, I., Bejinariu, C., Vasilescu, G.D., Ilias, N. REAL-TIME MONITORING AND VIBRO-MECHANICAL ANALYSIS: ENSURING THE INTEGRITY OF VENTILATION DUCT SYSTEMS IN HIGH-RISK ENVIRONMENTS. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Vol. 68, Issue Special II, Month July, 2025, pp 523-532. ISSN 1221-5872. eISSN 2393-2988. IF 2024: 0.2, IF 2024: 0.2.
	13)	Angela Daniela La Rosa, Sotirios A.Grammatikos, George Andrei Ursan, Sebastian Aradoaei, John Summerscales, Romeo Cristian Ciobanu, Cristina Mihaela Schreiner, Recovery of electronic wastes as fillers for electromagnetic shielding in building components: An LCA study, JOURNAL OF CLEANER PRODUCTION, Volume: 280 Part: 2, Article Number: 124593, DOI: 10.1016/j.jclepro.2020.124593, available online 8 October 2020, Published: JAN 20 2021, Impact Factor 2022: 11.1, ISSN: 0959-6526, indexat SCOPUS, Web of Science WOS:000608741500008
	14)	Aouad R., Bouzrara R., Chaib R., Verzea I., Contribution to the evaluation of psychosocial risks in academia. Case study: Constantine1 University, Algeria, Polish Journal of

		Environmental Studies, 2023, FI=1,4
	15)	Aradoaei M, Ciobanu RC, Schreiner C, Ursan AG, Hitruc EG, Aflori M. Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment. Polymers. 2023; 15(19):3859. https://doi.org/10.3390/polym15193859, Impact Factor 2022: 5
	16)	Baciu, ER., Cimpoesu, R., Vitalariu, A., Baciu, C., Cimpoesu, N., Sodor, A., Zegan, G., Murariu, A, Surface Analysis of 3D (SLM) Co-Cr-W Dental Metallic Materials, APPLIED SCIENCES-BASEL, Volume 11, 1, Article Number, 255, DOI, 10.3390/app11010255, JAN 2021, (FI = 2,679),
	17)	Baciu, loana, „Gheorghe Asachi Technical University of lasi, Buletinul Institutului Politehnic lasi, Secția Socio-Umane, Volumul 67 (71), nr. 1-2/2021, Writing is Masculine, Gossip is Feminine: American Myths in Shirley Jackson's "The Possibility of Evil", pp. 39-52
	18)	Baciu, loana, „Gheorghe Asachi" Technical University of lasi, Recenzie: Maggie O'FarreII, Hamnet, Tinder Press, 2020, Les Cahiers Linguatek, ISSN 2559-7752, ISSN-L 2559-7752, Mémoire et Oubli, nr. 9-10/2021, pp. 197-200, indexare Fabula.org. CEEOL; http:/limbistraine.tuiasi.ro/images/8.%20CentruI%20de%20Iimbi%20modeme/ LesCahiersLinguatek9- 10.pdf
	19)	Baciu, loana, Medical Gothic Masculinities in Bram Stoker's "Dracula", Linguaculture, 12:1, 2021, pp. 77-86, DOI: 10.4773/lincu-2021-1-0188
	20)	Baciu, loana, Reinterpreting the Frankenstein Myth in Yorgos Lanthimos'Poor Things (2023), Les Cahiers Linguatek 15-16 / 2024, pp 251-260, volumul conferinței Mad Science: Innovation, Genius, Madness, 10-11 mai 2024, Universitatea Tehnică „Gheorghe Asachi din Iași, Iași, http://limbistraine.tuiasi.ro/images/8.%20Centrul%20de%20limbi%20moderne/ 001_Les%20Cahiers%20Linguatek_vol.VIII_nos.15-16.pdf
	21)	Badarau, G., Popa, M., Stoian, G., Roman, AM., Comaneci, RI., Pricop, B., Cimpoesu, N., Bujoreanu, LG., Uncommon Cold-Rolling Faults in an Fe-Mn-Si-Cr Shape-Memory Alloy, CRYSTALS, Volume14 Issue3, Article Number 250, 2024, DOI 10.3390/cryst14030250, WOS:001191500500001
	22)	Badea, D.O., Darabont, DC., Cioca, L.I., Bejinariu, C., Feraru, A., Pruteanu, A.M. Sustainable Governance of Extreme Heat Risk in the Context of Occupational Safety and Health. Sustainability (SUSTAINABILITY-BASEL). Volume 17. Issue 24. Article Number 11187. DOI https://doi.org/10.3390/su172411187. Published DEC 2025. Indexed 2025-12-31. Document Type Review. Language English. Accession Number WOS: 001647384000001. eISSN 2071-1050. IF 2024: 3.3, IF 2024: 3.3.
	23)	Barna S, Maxim C, Trifan A, Blaga AC, Cimpoesu R, Turcov D, Suteu D, Preliminary Approaches to Cosmeceuticals Emulsions Based on N-ProlylPalmitoyl Tripeptide-56 Acetat-Bakuchiol Complex Intended to Combat Skin Oxidative Stress, Int. J. Mol. Sci. 2023, 24, 7004. https://doi.org/10.3390/ijms24087004, FI 5.6
	24)	Bejinariu, C., Darabont, DC., Burduhos-Nergis, DP., Cazac, AM. Chiriac-Moruzzi, C. Considerations Regarding the Application of the Occupational Injury and Illness Risk Assessment Method at Workplaces/Workstations, in Relation to the ISO 45001 Standard. Sustainability (SUSTAINABILITY-BASEL). Volume 15. Issue 3. Article Number 212. DOI 10.3390/su15032121. Published FEB 2023. Indexed 2023-02-28. Document Type Article. Language English. Accession Number WOS:000930875800001. eISSN 2071-1050. IF 2021: 3.889, IF 2022: 3.9.
	25)	Bejinariu, Costica; Paleu, Viorel; Stamate, Ciprian Vasile; Cimpoesu, Ramona; Coteata, Margareta; Badarau, Gheorghe; Axinte, Mihai; Istrate, Bogdan; Vasilescu, Gabriel Dragos; Cimpoeșu, Nicanor. Microstructural, Corrosion Resistance, and Tribological Properties of Al2O3 Coatings Prepared by Atmospheric Plasma Spraying. Materials (MATERIALS), Volume 15. Issue 24. Article Number 9013. DOI 10.3390/ma15249013. Published 2022-12-16. Indexed 2023-01-15. Document Type Article. Language English. Accession Number WOS: 000906867300001. PubMed ID 36556819. eISSN 1996-1944. IDS Number 7M7XV., IF 2021: 3.748, IF 2022: 3.4.
	26)	Belhour S., Chaib R., Bouzerara R., Kahoul H., Verzea I, For an efficient management of drilling risks. Case study: the blowout preventer system, Acta Technica Napocensis-Applied Mathematics Mechanics and Engineering, Vol. 66, Issue 3, September 2023, pp 341-354, FI=0.1
	27)	Belhour S., Nettour D., Chaib R., Bensehamdi S., Verzea I., Qualitative Evaluation of Pharmaceutical Industrial Effluents: Case of Study, Polish Journal of Environmental Studies, Volume 3, Issue 6, 2024, DOI 10.15244/pjoes/183700, FI = 1.4
	28)	Besliu-Băncescu I., Slătineanu L., Dodun O., Nagît G., Influence of Lubrication and Cooling on the Quality of Single-Point Incremental Forming Parts of Polycarbonate Sheets, J. Manuf. Mater. Process. 2021, 5, 75. https://doi.org/ 10.3390/jmmp5030075, Revista ISI, factor de impact 3.62/2021
	29)	Blaga M, Seghedin NE, Horodincă M, Grosu C, Gaaloul H, Babay A, Dhouib S, Azouz B. Behaviour of Knitted Materials in a Vibrating Environment. Materials, 2025; 18(3):479. https://doi.org/10.3390/ma18030479, Q1.
	30)	BLAGA MIRELA, SEGHEDIN NECULAI EUGEN, GROSU CRISTINA, Measuring the natural frequencies of knitted materials for protection against vibrations, Industria Textila, vol. 73, nr.

		1, pag. 89-95, 2022 (FI=0,828).
	31)	Bruno Rădulescu, Andreea Pană, Mara Rădulescu, Adelina Hrițuc, Adriana Munteanu, Andrei Mihalache, Oana Dodun, Gheorghe Nagîț, Laurențiu Slătineanu, Evaluation On A Lathe Of Circularity Deviation And Factors That Could Affect Its Measurement Accuracy Proceedings in Manufacturing Systems, Volume 18, Issue 1, 2023, 13-18 ISSN 2067-9238.
	32)	Bulbuc, V., Paleu, V., Pricop, B., Popa, M., Carlescu, V., Cimpoesu, N., Bujoreanu, LG., Effects of Dynamic Loading under Extreme Conditions on Wear Resistance of T105Mn120 Castings for Railway Safety Systems, JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Volume30 Issue10, Pages 7128-7137, 2021, DOI 10.1007/s11665-021-05837-7, WOS:000678009000002
	33)	Bunduc, C.S., Bernevig, M.A., Enache, C.R., Vasilescu, G.D., Bejinariu, C. Research trends in polymer matrix composites used for personal protective equipment: a bibliometric analysis. 12th International Symposium on Occupational Health and Safety (SESAM 2025), Brasov, Romania, October 23th 2025. MATEC Web of Conferences, Volume 418, 2025, Article Number 00012 (2025). Published online: 18 December 2025. DOI: https://doi.org/10.1051/matecconf/202541800012. eISSN: 2261-236X.
	34)	Bunduc, C.S., Cioca, L.I., Sandu, A.V., Bejinariu, C. MATERIALS USED FOR PERSONAL PROTECTIVE EQUIPMENT FABRICATION: A SHORT REVIEW. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Vol. 68, Issue Special III, August, 2025, pp 1017-1026. ISSN 1221-5872. eISSN 2393-2988. IF 2024: 0.2, IF 2024: 0.2.
	35)	Burduhos-Nergis D.-P., Bejinariu C., Cazac A.M., Sandu A.V., Vizureanu P. XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface. (2023) Archives of Metallurgy and Materials, Volume 68. Issue 3. Page 955-960. DOI https://doi.org/10.24425/amm.2023.145459. Published 2023. Indexed 2023-12-15. Document Type Article. Language English. Accession Number WOS: 001106664500006. ISSN 1733-3490. eISSN 2300-1909. IDS Number Y6XG1. IF 2022: 0.6, IF 2022: 0.6.
	36)	Burduhos-Nergis D.-P., Cimpoesu N., Epure E.-L., Istrate B., Burduhos-Nergis D.-D. and Bejinariu C. Ca–Zn Phosphate Conversion Coatings Deposited on Ti6Al4V for Medical Applications. Coatings (Coatings), Volume 13, Issue 6, Article Number 1029. DOI https://doi.org/10.3390/coatings13061029. Published JUN 2023. Indexed: 2023-07-11. Document Type Article. Language English. Accession Number WOS: 001017029700001. eISSN 2079-6412. IF 2021: 3.236, IF 2022: 3.4.
	37)	Burduhos-Nergis D.-P., Sandu A.V., Burduhos-Nergis D.-D., Vizureanu P., Bejinariu C. Phosphate Conversion Coating – A Short Review. (2023) Archives of Metallurgy and Materials, Volume 68. Issue 3. Page 1029-1034. DOI https://doi.org/10.24425/amm.2023.145471. Published 2023. Indexed 2023-12-15. Document Type Article. Language English. Accession Number WOS: 001106664500019. ISSN 1733-3490. eISSN 2300-1909. IDS Number Y6XG1. IF 2022: 0.6, IF 2022: 0.6.
	38)	Burduhos-Nergis, D.D., Vizureanu, P., Sandu, A.V., Burduhos-Nergis, D.P., Bejinariu, C. XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials (MATERIALS), Volume: 15. Issue: 1. Article Number: 202. DOI: 10.3390/ma15010202. Published: IAN 2022. Document Type:Article. Accession Number: WOS:000751038100001. PubMed ID:35009346. eISSN: 1996-1944., IF 2021: 3.748, IF 2022: 3.4
	39)	Burduhos-Nergis, DP; Munteanu, C; Acasandrei, MA; Epure, LE; Cimpoesu, N; Bejinariu, C; Sandu, AV; Burduhos-Nergis, DD. Micromorphology and properties of novel phosphate conversion coatings based on zinc-magnesium and zinc-zirconium deposited on Ti6Al4V. Surfaces and Interfaces (SURFIN), PII: S2468-0230(25)02135-2. DOI: https://doi.org/10.1016/j.surfin.2025.107884. Reference: SURFIN 107884. Published 2025-10-15. Indexed 2025-11-12. Document Type Article. Language English. Accession Number WOS: 001607891900003. ISSN 2468-0230. eISSN 2468-0230. IDS Number 9JO4Y., IF 2024: 6.3, IF 2024: 6.3.
	40)	C. A. Peptu, E. S. Băcăiță, C. L. Savin (Logigan), M. Luțcanu, M. Agop, Hydrogels based on alginates and carboxymethyl cellulose with modulated drug release—an experimental and theoretical study, Polymers, 13, 4161, 2021
	41)	C. G. Lates, C G Dumitras, P. Vizureanu, A. V. Sandu, Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant, Applied Sciences, 13(9), 5310, (2023), https://doi.org/10.3390/app13095310 (revista cotată ISI - factor de impact: 2,7– zona galbenă)
	42)	C. Ursu, P. Nica, Gb. Rusu, C. Vitelaru, G. Popa, C. Focsa. Laser Absorption Spectroscopy On A Transient Aluminum Plasma Generated By Excimer Laser Ablation. Spectrochimica Acta Part B-Atomic Spectroscopy 2022. Vol. 196 106510.
	43)	C.G. Chiriac, C.G. Dumitraș, D. F. Chitariu , P. Vizureanu, S.V. Andrei, Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analys, Processes, 11(3), 896, (2023), https://doi.org/10.3390/pr11030896 (revista cotată ISI - factor de impact: 3,352– zona galbenă)

	44)	C.G.Dumitraș, D. F. Chitariu, F. Chifan, C.G. Lateș, M.Horodincă, Surface Quality Optimization in Micromachining with Cutting Tool Having Regular Constructive Geometry, Micromachines, 13(3), 422, (2022), //doi.org/10.3390/mi13030422, (revista cotată ISI - factor de impact: 3,523– zona galbenă)
	45)	C.L. Logigan, C. Delaite, M. Popa, E. S. Bacaita, C.E. Tiron, C. Peptu, C. A. Peptu, Poly(ethylene glycol) Methyl Ether Acrylate-Grafted Chitosan-Based Micro- and Nanoparticles as a Drug Delivery System for Antibiotics, Polymers, 16(1), 144, 2024, doi: 10.3390/polym16010144.
	46)	Catalina Nutescu Duduman, Consuelo Gómez de Castro, Gabriela Antoaneta Apostolescu, Gabriela Ciobanu, Doina Lutic, Lidia Favier, Maria Harja, Enhancing the TiO2-Ag Photocatalytic Efficiency by Acetone in the Dye Removal from Wastewater, Water, Volume 14, Issue 17, Article Number 2711, 2022. ISI-IF: 3.000 (2023)
	47)	Catalin-Gabriel Dumitras, Dragos-Florin Chitariu, Florin Chifan, Cristina Lates, Mihaita Horodinca, Surface Quality Optimization in Micromachining with Cutting Tool Having Regular Constructive Geometry, MICROMACHINES, Vol. 13, Issue 3, 422, 2022. Revista Q2 -zona galbena, Factor de impact (2022) = 3.4
	48)	Cazac, A., Burduhos-Nergis, D.P., Sandu, A.V., Popa, M., Bejinariu, C. STRONTIUM PHOSPHATE CONVERSION COATINGS: A SHORT REVIEW. The 56th International October Conference on Mining and Metallurgy, 22-25 October 2025, Bor Lake, Bor, Serbia. PROCEEDINGS, 56th INTERNATIONAL OCTOBER CONFEERNCE on Mining and Metallurgy. Editors: Prof. dr Ljubiša Balanović; Prof. dr Dejan Tanikić, University of Belgrade - Technical Faculty in Bor. Review paper. pp. 343-346. DOI: 10.5937/IOC25343C. ISBN 978-86-6305-164-5.
	49)	Cazac, A.M., Chelariu, R.G., Cimpoesu, R., Bernevig, M.A., Benchea, M., Jurca, M.A., Radu, A.M., Vasilescu, G.D., Garaliu-Busoi, B., Lupu, F.C., Badarau, G., Bejinariu, C. Investigation of CuTi Alloy for Applications as Non-Sparking Material. Applied Sciences-Basel (APPL SCI-BASEL), Volume 14. Issue 24. Article Number 11574. DOI: 10.3390/app142411574. Published 2024-12. Indexed 2025-01-04. Document Type Article. Language English. Accession Number WOS:001385553300001. eISSN 2076-3417. IDS Number Q6D2C., IF 2023: 2.5, IF 2023: 2.5.
	50)	Cazac, AM; Cioca, LI; Lazar, P; Badarau, G; Cimpoesu, N; Burduhos- Nergis, DP; Iagaru, P; Cimpoesu, R; Cazac, A; Bejinariu, C; Milea, A. Effect of Zinc, Magnesium, and Manganese Phosphate Coatings on the Corrosion Behaviour of Steel. Materials (MATERIALS), Volume 18. Issue 13. Article Number 3126. DOI: 10.3390/ma18133126. Published 2025-07-01. Indexed 2025-07-17. Document Type Article. Language English. Accession Number WOS: 001527264500001. PubMed ID 40649613. eISSN 1996-1944. IDS Number 4UX8R., IF 2023: 3.1, IF 2024: 3.2.
	51)	Cazacu, M. M., Roșu, A. I., Ababei, R. V., Roșu, A., Vasincu, D., Nica, D. C., Rusu, O., Bruma, A. B., & Agop, M. (2024). Investigating Nonlinear Dynamics in Atmospheric Aerosols during the Transition from Laminar to Turbulent Flow. Atmosphere, 15(3). https://doi.org/10.3390/atmos15030366
	52)	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.
	53)	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
	54)	CG Chiriac, CG Dumitraș, Optimization of automotive cooling systems characteristics using finite element analysis, 10th International Conference on Manufacturing Science and Eductation, MATEC Web of Conference, vol 343, 2021, doi.org/10.1051/matecconf/202134304001
	55)	Chelariu, G.R., Cimpoeşu, N., Paraschiv, P., Prisecariu, B.A., Rusu, I., Ştirbu, I., Sandu, G.I., Benchea, M., Bejinariu, C. Structural and Mechanical Properties of hot rolled CuAlBe non-spark alloy. (2024) Archives of Metallurgy and Materials, 69 (1), pp. 263-268. DOI: 10.24425/amm.2024.147817. Published 2024. Indexed 2024-05-21. Document Type Article. Language English. AccessionNumber WOS:001220480900009. ISSN 1733-3490. eISSN 2300-1909. IDS Number QJ3Z1. IF 2022: 0.6, IF 2022: 0.6
	56)	Chelariu, R.G., Cimpoesu, N., Birnoveanu, T.I., Istrate, B., Baciu, C., Bejinariu, C. OBTAINING AND ANALYSIS OF A NEW ALUMINIUM BRONZE MATERIAL USING INDUCTION FURNACE. (2022) Archives of Metallurgy and Materials, Volume 67. Issue 4. Page 1251-1257. DOI 10.24425/amm.2022.141049. Published 2022. Indexed 2022-12-17. Document Type Article. Language English. Accession Number WOS:000890623500007. ISSN 1733-3490. eISSN 2300-1909. IDS Number 6P0JW. IF 2021: 0.633, IF 2022: 0.6.
	57)	Chelariu, R.G., Cimpoesu, R., Jurca, A.M., Popa, C.M., Benchea, M., Badarau, G., Istrate, B., Cazac,A.M., Cimpoesu, N., Pintilie, D.-D., Vasilescu, G.D., Bejinariu, C. Analysis of Chemical, Microstructural and Mechanical Properties of a CuAlBe Material Regarding Its Role as a Non-Sparking Material. Materials (MATERIALS), Volume 17. Issue 10. Article Number 2220. DOI: 10.3390/ma17102220. Published 2024-05. Indexed 2024-06-07. Document Type Article. Language English. Accession Number WOS: 001231779300001. PubMed ID 38793287. eISSN 1996-1944. IDS Number SA6N1., IF 2022: 3.4

	58)	Chelariu, R.G., Cimpoeşu, N., Cazac, A.M., Bernevig, M.A., Bejinariu, C. Optical evaluation of the surfaces of the CuAlBe samples after the test of resistance to harsh wear stresses in an explosive atmosphere. 11th International Symposium on Occupational Health and Safety (SESAM 2023), Bucuresti, Romania, October 18th 2023. MATEC Web of Conferences, Volume 389, 2024, Article Number 00067 (2024). Published online: 10 January 2024. DOI: https://doi.org/10.1051/matecconf/202438900067
	59)	Chicet, D., Toma, S., Haraga, R., Bejinariu, C. Comparative Rolling Contact Behavior of Two APS Coatings with Different Matrix. (2022) Archives of Metallurgy and Materials. Volume 67. Issue 3. Page 869-878. DOI: 10.24425/amm.2022.139677. Published 2022. Indexed 2022-09-10. Document Type: Article. Language English. Accession Number WOS:000849223500008. IDS Number 4G5FZ. ISSN: 1733-3490. eISSN: 2300-1909. Current Publisher:POLSKA AKAD NAUK, POLISH ACAD SCIENCES, INST METALL & MATER SCI PASPL, 00-901 WARSZAWA, POLAND. Research Areas: Metallurgy & Metallurgical Engineering. Web of Science Categories: Metallurgy & Metallurgical Engineering. IF 2021: 0.633, IF 2022: 0.6.
	60)	Cimpoesu, N., Paleu, V., Panaghie, C., Roman, A.M., Cazac A.M., Cioca, L.I., Bejinariu, C., Lupescu, S.C., Axinte, M., Popa, M., Zegan, G.. Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy. Metals (METALS), Volume 14. Issue 7. Article Number 836. DOI:–10.3390/met14070836. Published 2024-07. Indexed 2024-08-02. Document Type Article. Language English. Accession Number WOS:-001277266300001. eISSN 2075-4701. IDS Number ZS4K3., IF 2023: 2.6, IF 2023: 2.6.
	61)	Cimpoesu, N., Paleu, V., Panaghie, C., Roman, AM., Cazac, AM., Cioca, LI., Bejinariu, C., Lupescu, SC., Axinte, M., Popa, M., Zegan, G., Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy, METALS, Volume14 Issue7, Article Number 836, 2024, DOI 10.3390/met14070836, WOS:001277266300001, IF 0.5
	62)	Cimpoesu, R., Lutcanu, M., Cazac A.M., Adomnitei, I., Bejinariu, C., Andrusca, L., Prelipceanu, M., Cioca, L.I., Chicet, D.L., Radu, A.M., Cimpoesu, N. Electrochemical Corrosion Resistance of Al_2O_3–YSZ Coatings on Steel Substrates. Applied Sciences-Basel (APPL SCI-BASEL), Volume 14. Issue 23. Article Number 10877. DOI: 10.3390/app142310877. Published 2024-11. Indexed 2024-12-18. Document Type Article. Language English. Accession Number WOS:001376235400001. eISSN 2076-3417. IDS Number P2J3X., IF 2023: 2.5, IF 2023: 2.5.
	63)	Ciuculescu, EL; Luca, FA. (2024). How Can Cities Build Their Brand through Arts and Culture? An Analysis of ECoC Bidbooks from 2020 to 2026. Sustainability, 16(8). WOS:001210863700001.
	64)	Ciuculescu, L; Luca, FA (2025). Developing a Sustainable Cultural Brand for Tourist Cities: Insights from Cultural Managers and the Gen Z Community in Brasov, Romania, Sustainability, WOS:001475590400001
	65)	Crăciun, Mihalache, Hrițuc, Coteață, Dodun, Nagiț, Ionuț Rîpanu, Slătineanu, Determination of the Friction Coefficient
	66)	D.C. Fodor, D.F. Chitariu, C. Aghion, N.E. Seghedin, Self-Adaptive Transtibial Prosthesis: Automatic Detection and Compensation of Leg Length Discrepancy. Applied Sciences, 2025, 15(6), 3247, https://doi.org/10.3390/app15063247 (IF 2.5) (Zona roşie – Q1);
	67)	D.C. Fodor, O. Zvorişteanu, D.F. Chitariu, A. Munteanu, Ş.D. Achirei, V.I. Manta, N.E. Seghedin, Compensation of Leg Length Discrepancy Using Computer Vision in a Self-Adaptive Transtibial Prosthesis, Technologies 2025, 13(8), 319, https://doi.org/10.3390/technologies13080319 (IF 3.6) (Zona roşie – Q1).
	68)	D.-Fl. Chitariu, M. Horodinca, C.-Gh. Mihai, N.-E. Bumbu, C. G. Dumitras, N.-E. Seghedin, Fl.-D. Edutanu, Condition Monitoring of a Three-Phase AC Asynchronous Motor Based on the Analysis of the Instantaneous Active Electrical Power in No-Load Tests, Appl. Sci. , 14(14), 6124, 2024; https://doi.org/10.3390/app14146124, impact factor 2,5 – Q2 zona galbenă
	69)	D.-Fl. Chitariu, M. Ilhan, C.G. Dumitras, Fl.-D. Edutanu, F.-V. Hrib, M. Horodincă, Research On Measurement Of Elastic Roller Deformations In Roller Bearings By Image Correlation Method, ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, And ENGINEERING, vol. 67, Issue 1s, 267-274, 2024, Q4 zona gri
	70)	D.Fl. CHITARIU, T.M. AGACHE, C.G. DUMITRAS, M. HORODINCĂ, Fl.D. EDUTANU, George-Gabriel CHIRIAC, Experimental Research On Positioning Accuracy Of Educational Robots, ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, And ENGINEERING, vol. 67, Issue 2s, 595-602, 2024, Q4 zona gri
	71)	Daniel Alexandru Cosnita, Flaviu Sabin Iorgulescu, Neculai Eugen Seghedin. Clusters as Tools to Measure Sustainable Value Chains. Sustainability, 2024, 16(18), 8013; https://doi.org/10.3390/su16188013 (Fi=3,3).
	72)	Darabont, DC., Cioca, L.I., Bejinariu, C., Badea, D.O., Chivu, O.R., Chis, T.V. Impact of Personal Protective Equipment Use on Stress and Psychological Well-Being Among Firefighters: Systematic Review and Meta-Analysis. Sustainability (SUSTAINABILITY-BASEL). Volume 16. Issue 22. Article Number 9666. DOI 10.3390/su16229666. Published NOV 2024. Indexed 2024-12-05. Document Type Article. Language English. Accession Number WOS: 001366118200001. eISSN 2071-1050. IF 2023: 3.3, IF 2023: 3.3.
	73)	Dodun O., Slătineanu L., Nagît G., Hriţuc A., Mihalache A.M., Beşliu-Băncescu, I., WEDM-

		Generated Slot Width Variation. Modeling. Micromachines 2022, 13, 1231. https://doi.org/10.3390/mi13081231, Revista ISI, factor de impact 3.53/2022
	74)	Dodun, O; Nicolau, M; Nagîț Gh., Mihalache MA, Hrițuc A., Slatineanu, L., THE USE OF PRINCIPLES FROM AXIOMATIC DESIGN IN THE MANAGEMENT OF PROJECT DEVELOPMENT, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 67 (1) , pp.49-58, 2024, WOS:001328942700006, Revista ISI, factor de impact 0.1/2024
	75)	doi.org/10.3390/s22010158, Revista Q2 -zona galbena, Factor de impact (2022) = 3.9
	76)	Dosa, I., Petrilean, D.C., Tataru, A.C., Vasilescu, G.D., Mija, N., Cazac, A.M., Rusu, O., Tatarcan, A.C., Bejinariu, C. Assessment of steam turbine performance degradation in long-term operation. Energy (Energy), Volume 327. Article Number 136491. DOI: https://doi.org/10.1016/j.energy.2025.136491. Published 2025-05-10. Indexed 2025-05-24. Document Type Article. Language English. Accession Number WOS: 001491390700004. ISSN 0360-5442.eISSN 1873-6785. IDS Number 2UE0A., IF 2023: 9.0, IF 2023: 9.0.
	77)	Dragos-Florin Chitariu, Mehmet Ilhan, Catalin-Gabriel Dumitras, Florin-Daniel Edutanu, Valeriu Hrib, Mihaita Horodinca, Research on Measurement of Elastic Roller Deformations in Roller Bearings by Image Correlation Method, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 67, Issue Special I, February, 2024, pp. 267-274
	78)	Dragos-Florin Chitariu, Mihaita Horodinca, Constantin-Gheorghe Mihai, Neculai-Eduard Bumbu, Catalin Gabriel Dumitras, Neculai-Eugen Seghedin and Florin-Daniel Edutanu, Condition Monitoring of a Three-Phase AC Asynchronous Motor Based on the Analysis of the Instantaneous Active Electrical Power in No-Load Tests, Appl. Sci. 2024, 14, 6124
	79)	Dragos-Florin Chitariu, Mihaita Horodinca, Constantin-Gheorghe Mihai, Neculai-Eduard Bumbu, Catalin Gabriel Dumitras, Neculai-Eugen Seghedin, Florin-Daniel Edutanu, Condition Monitoring of a Three-Phase AC Asynchronous Motor Based on the Analysis of the Instantaneous Active Electrical Power in No-Load Test. Appl. Sci., 2024, 14(14), 6124;https://doi.org/10.3390/app14146124 (Fi=2,5).
	80)	E. Paduraru, C.G.Dumitras, D. Fl. Chitariu, M. Horodinca, Fl. Chifan, Research on Additive Technique Parameter Optimization for Robotic Gripper Construction, Machines, 11(6), 621, (2023), doi.org/10.3390/machines11060621(revista cotată ISI - factor de impact: 2,6– zona galbenă)
	81)	E. S. Bacaita, D. M. Rață, A. N. Cadinoiu, V. Ghizdovăț, M. Agop, A. C. Luca, Drug release from nanoparticles (polymeric nanocapsules and liposomes) mimed through a multifractal tunneling-type effect, Polymers, 15(4), 1018, 2023, doi: 10.3390/polym15041018
	82)	E. S. Băcăiță, C. A. Peptu, C. L. Savin (Logigan), M. Luțcanu, M. Agop, Manifest/non- manifest drug release patterns from polysaccharide based hydrogels—case study on cyclodextrin—k carrageenan crosslinked hydrogels, Polymers, 13, 4147, 2021
	83)	Emilian Paduraru, Catalin-Gabriel Dumitras, Dragos-Florin Chitariu, Mihaita Horodinca, Florin Chifan, Research on Additive Technique Parameter Optimization for Robotic Gripper Construction, Machines, Volume 11, Issue 6, Pages 621. 2023, Revista Q1 - zona rosie, Factor de impact (2023) = 2.1
	84)	Eugen Merticaru, Vasile Merticaru, Gheorghe Nagîț, Andrei Marius Mihalache, Liviu Lucian Tăbăcaru and Marius Ionuț Rîpanu, Analytical, Numerical and Experimental Analysis of a Positive Displacement Cam Mechanism—A Case Study, *Machines* 2023, *11*(7), 770; https://doi.org/10.3390/machines11070770, https://www.mdpi.com/2075-1702/11/7/770/pdf, doi: 10.3390/machines11070770, citescore=2.1, impact factor=2.6, REV indexata ISI. REV indexata ISI – IF 3,523 (Factor impact) Clasarea actuala a revistei: : Q2 (JCR category rank: Q2)
	85)	Filipeanu, D; Luca, FA; Maha, LG; Tarca, V ; Tiganas, CG. (2023). The nexus between digital skills' dynamics and employment in the pandemic context. Eastern Journal of European Studies, 14 (2), pp. 245-264, WOS:001137028500002
	86)	Florin-Daniel EDUTANU, Dragos-Florin CHITARIU, Emilian PADURARU, Florin CHIFAN, Neculai-Eduard BUMBU, Mariana CIORAP, Cătălin Gabriel DUMITRAȘ, A Study Of The 3d Printing Process Using A Robotic Arm To Identify The Behavior Of Petg And Pla Materials, ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, And ENGINEERING, vol. 68, Issue 2-3s, 435-446, 2025, Q4 zona gri
	87)	G Dogan, I Mehmet, D F Chitariu, C G Dumitraş, V I Crîşmaru, FEA Modelling of the Combined Hard TurningRolling Process Used at Bearing Rings, 10th International Conference on Manufacturing Science and Eductation, MATEC Web of Conference, vol 343, 2021 doi.org/10.1051/matecconf/202134302004
	88)	G. Vochita, A. N. Cadinoiu, D. M. Rata, L. I. Atanase, M. Popa, A. Mahdieh, C. T. Mihai, A. B. Stache, C. V. Moldovan, E. S. Bacaita, I. P. Condriuc, D. Gherghel, Comparative In Vitro Study between Biocompatible Chitosan-Based Magnetic Nanocapsules and Liposome Formulations with Potential Application in Anti-Inflammatory Therapy, Int. J. Mol. Sci., 25(15), 2024, doi: 10.3390/ijms25158454
	89)	G.R. Chelariu 1, N. Cimpoeșu 1*, P. Paraschiv 1, B.A. Prisecariu 2,I. Rusu 1, I. Știrbu 1, G.I. Sandu 1, M. Benchea 3*, C. Bejinariu, Structural and Mechanical Properties of Hot Rolled CuAlBe Non-Spark Alloy Arch. Metall. Mater, Archives of Metallurgy and Materials, 2024,

		ISSN: 2300-1909, FI: 0,7, DOI: https://doi.org/10.24425/amm.2024.147817 . FI: 0,7 indexata WOS
	90)	Gabriel Asandului, Party education in communist Romania in the first two post-war decades (1945-1965), in „Bulgarian Historical Review ", nr. 3/4/2021, pp.196-226, ISSN 2815-2905 (online), 0204-8906 (print), WOS: 000743379800007, Scopus, EBSCOHost, CEEOL.
	91)	Gabriela Buema, Gabriela Lisa, Olga Kotova, Gabriela Ciobanu, Liliana Ivaniciuc, Lidia Favier, Maria Harja, Application of thermal analysis to improve the preparation conditions of zeolitic materials from flying ash, Environmental Engineering and Management Journal, 20 (3), 377-388, 2021
	92)	Gabriela Buema, Maria Harja, Nicoleta Lupu, Horia Chiriac, Loredana Forminte, Gabriela Ciobanu, Daniel Bucur, Roxana Dana Bucur, Adsorption performance of modified fly ash for copper ions removal from aqueous solution, Water, 13 (2), Article Number: 207, 17 pagini (1-17), 2021. ISI-IF: 3.000 (2023)
	93)	Gabriela Buema, Nicoleta Lupu, Horia Chiriac, Gabriela Ciobanu, Roxana-Dana Bucur, Daniel Bucur, Lidia Favier, Maria Harja, Performance assessment of five adsorbents based on fly ash for removal of cadmium ions, Journal of Molecular Liquids, 333, Article no. 115932, 15 pag (1-15), 2021. ISI-IF: 5.300 (2023)
	94)	George-Gabriel Chiriac, Catalin Gabriel Dumitras, Dragos Florin Chitariu, Petrica Vizureanu, Andrei Victor Sandu, Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis, Processes, Volume 11, Issue 3, Pages 896. 2023, Revista Q2 -zona galbena, Factor de impact (2023) = 2.8
	95)	Haraga, R., Chicet, D., Toma, S., Carlescu, V., Bejinariu, C. MICROHARDNESS AND ELASTIC PROPERTIES EVALUATION of WC-TiC COATINGS OBTAINED BY ARC SPRAYING PROCESS. (2024) Archives of Metallurgy and Materials, Volume 69. Issue 2. Page 795-801. DOI 10.24425/amm.2024.149812. Published 2024. Indexed 2024-08-28. Document Type Article. Language English. Accession Number WOS: 001296371200059. ISSN 1733-3490. eISSN 2300-1909. IDS Number D5C9J. IF 2023: 0.7, IF 2023: 0.7
	96)	Harja Maria, Tataru-Farmus Ramona, Hultuana Droniuc Elisabeta, Gomez de Castro Consuelo, Ciobanu Gabriela, Lazar Liliana, Influence of ethylenediamine content over performance of CO_2 absorption into potassium carbonate solutions, Environmental Engineering and Management Journal, 20 (4), 507-516, 2021. ISI-IF: 0.900 (2023)
	97)	Hellas M.S., Chaib R., Verzea I., Modelling of accidental phenomena related to leakage and tank rupture of a vehicle converted to LPG, World Journal of Engineering, Vol. 18, No. 3., 2021, pp. 505-518, FI = 1,4
	98)	Horodinca Mihăiță, Chifan Florin, Paduraru Emilian, Dumitras Cătălin Gabriel, Munteanu Adriana, Chitariu Dragoș Florin, A Study of 2D Roughness Periodical Profiles on a Flat Surface Generated by Milling with a Ball Nose End Mill, MATERIALS, Volume17, Issue 6, DOI10.3390/ma17061425, 2024, Indexata Web of Science/ WOS:001192596900001.
	99)	Horodinca Mihăiță, Bumbu NE.,Dragoș Florin, Munteanu Adriana, Dumitras Cătălin Gabriel, Negoescu Florin, Mihai Constantin, On the Behaviour of an AC Induction Motor as Sensor for Condition Monitoring of Driven Rotary Machines, SENSORS, Volume23, Issue1, DOI10.3390/s23010488, WOS:000910191000001, 2023.
	100)	Hrituc A., Slătineanu, L.; Dodun, O.; Nagît, , G.; Coteat,˘a, M.; Boca, M.A.; Ermolai, V. Sustainable Manufacture of Bearing Bushing Parts. Sustainability 2021, 13, 10777, https://doi.org/10.3390/su131910777, Revista ISI, factor de impact 3.889/2021
	101)	Hrituc, A ; Dodun, O ; Mihalache, A ; Nagit, G, EQUIPMENT REQUIREMENTS FOR THE INVESTIGATION OF SOUND INSULATION PROPERTIES OF 3D PRINTED POLYMERIC MATERIALS, ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING, 65, 4, 1185-1192, SI, DEC 2022 Revista ISI factor de impact 0.3/2022
	102)	Hrituc, A ; Slatineanu, L ; Ripanu, M ; Mihalache, A ; Nagit, G ; Dodun, O , Tensile Strength Analysis of the Ring-Shape 3D Printed Polymer Parts, MacroMolecular Symposia Volume 404, Issue 1, Special Issue SI, Article Number 2100336, DOI 10.1002/masy.202100336, AUG 2022, Revista ISI, factor de impact 0.913/2022
	103)	Hrituc, A., Mihalache, AM., Dodun, O., Slătineanu, L., Nagît, G., Heat Transfer in 3D-Printed Polymer Cylindrical Parts, 6th International Conference on Design and Technologies for Polymeric and Composites Products (POLCOM), Oct 2023, MACROMOLECULAR SYMPOSIA 411 (1), 10.1002/masy.202200187, Revista ISI, factor de impact 2.942/2023
	104)	Hrituc, A; Ermolai, V; Mihalache, AM., Andrușcă, L., Dodun, O., Nagîț, G., Boca, MA, Slatineanu, L., Compressive Behavior of Some Balls Manufactured by 3D Printing from Ceramic-Polymer Composite Materials, Jan 2024, MICROMACHINES 15 (1), 10.3390/mi15010150, Revista ISI, factor de impact 3.0/2024
	105)	Hrituc, A; Mihalache, AM; Dodun O.,Nagîț Gh., Slatineanu, L., The influence of signal type and distance to the sound source on sound transmission through small 3D printed polymer panels, 27th International Conference of the European-Scientific- Association-on-Material-Forming (ESAFORM), MATERIAL FORMING, ESAFORM 2024 41 , pp.2506-2513, 2024, 49. WOS:001258853000276, Revista ISI, factor de impact 2.6/2024
	106)	Hrituc, A; Mihalache, AM; Dodun, O., Nagîț, Gh., Besliu-Bancescu, I., Rădulescu, B.; Slatineanu, L, Propagation of Sounds through Small Panels Made of Polymer Materials by

		3D Printing, Jan 2024, POLYMERS 16 (1), 10.3390/polym16010005, Revista ISI, factor de impact 4.7/2024
	107)	Hrituc, A; Mihalache, AM; Dodun, O., Slatineanu, L., Nagit, G., Evaluation of Thin Wall Milling Ability Using Disc Cutters, Feb 2023, MICROMACHINES 14 (2), 341, 10.3390/mi14020341, Revista ISI, factor de impact 3/2023
	108)	I Mehmet, G Dogan, DF Chitariu, C Dumitraş, F Negoescu, Research on advances in roller bearing manufacturing, IOP Conference Series: Materials Science and Engineering, ModTech International Conference: Modern Technologies in Industrial Engineering IX (ModTech 2021) 23rd-26th June 2021, Eforie Nord, Romania, vol 1182, issue 1, 012405, 2021, 10.1088/1757-899X/1182/1/012045 (lucrare indexata ISI)
	109)	I. Craciun, T. Agache, C. G. Dumitras, Analysis and economic strategies regarding the reduction of preventive maintenance costs, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, Vol 65, No 4S, (2022), (revista cotată ISI - factor de impact: 0,07– zona gri
	110)	I.A. Roșu, D.-C. Nica, C.G. Dumitraș, D.F. Chitariu, L. Bibire, A. S. Ghenadi, V.-S. Dragan, M. Agop, The Search for Atmospheric Laminar Channels: Experimental Results and Method Dissemination, Sensors, 22(1), 158, (2022), /doi.org/10.3390/s22010158, (revista cotată ISI - factor de impact: 3,847– zona galbenă)
	111)	I-A. Rosu, M.-A. Paun, M. Barhalescu, A. I. Saviuc, M. Jarcau, C.G. Dumitras, C. Placinta, V.-A. Paun, M. Agop, V.-P. Paun, Bistable-Type Interactions Of Complex Systems In A Fractal Paradigm Of Motion, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 84 (3), 167-176, 2022, revista cotată ISI - factor de impact:1,160)
	112)	Ionel Iulian Hurja, Paul Bârsănescu, Adriana Munteanu, Andrei-Marius, Mihalache, Adelina Hrițuc, Dragoș Cristian Achiței, Laurențiu Slătineanu, Highlighting The Presence Of Residual Stresses in Ring-Shaped Metallic Test Samples, Technical University Of Cluj-Napoca Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special IV, December, Indexata Web of Science/ WOS:000969679100028, 2022.
	113)	Ionut Adomniței, Ramona Cimpoeșu, Daniela Lucia Chicet, Margareta Coteață, Fabian Cezar Lupu, Costică Bejinariu, Liviu Andrușca, Petronela Paraschiv, Mihai Axinte, Gheorghe Bădărău, Nicanor Cimpoeșu, Behavior of YSZ (High Y2O3 Content) Layer on Inconel to Electro-Chemical Corrosion, Materials, pg.1996-1944,Volume18, Issue2, 2025 F.I. 3.2, DOI10.3390/ma18020400, WOS:001404250000001, Q2.
	114)	Iulian-Alin Rosu, Dragos-Constantin Nica, Catalin Dumitras, Dragos Chitariu, Luminita Bibire, Adrian Stelian Ghenadi, Valentin-Stelian Dragan and Maricel Agop, The Search for Atmospheric Laminar Channels: Experimental Results and Method Dissemination, Sensors 2022,
	115)	Ivancu Laurențiu-Ioan, Popescu Daniela. (2023). Investigation of the Fluid Flow in a Large Ball Valve Designed for Natural Gas Pipelines. Applied Sciences 13.7, 4247, DOI: 10.3390/app13074247 (WOS:000971687000001, categoria Q2, impact factor 2,5).
	116)	Ivaniciuc Liliana, Sutiman Daniel, Ciocinta Ramona Carla, Favier Lidia, Sendrea Georgiana, Ciobanu Gabriela, Harja Maria, Advanced recovery of calcium carbonate waste as a filler in waterborne paint, Environmental Engineering and Management Journal, 20 (4), 569-577, 2021. ISI-IF: 0.900 (2023)
	117)	Jitaru, O., Bobu, R & Bostan, C. M. (2023). Social and emotional skills in adapting students to the academic environment. Revista Românească pentru Educație Multidimensională - The Romanian Journal for Multidimensional Education, Vol 15 (1), 590-605. (Indexat, Factor de impact = 2). DOI: https://doi.org/10.18662/rrem/15.1/713 - toți autorii au contribuții egale
	118)	Jitaru, Oana, Bobu, Roxana și Bostan, Cristina Maria. (2023). Social and Emotional Skills in Adapting Students to the Academic Environment. Revista Românească pentru Educaţie Multidimensională, 15, 1, 590-605, https://doi.org/10.18662/rrem/15.1/713, ISSN: 2066-7329 | e-ISSN: 2067-9270. Covered in: Web of Science (WOS); EBSCO; ERIH+; Google Scholar; Index Copernicus; Ideas RePeC; Econpapers; Socionet; CEEOL; Ulrich ProQuest; Cabell, Journalseek; Scipio; Philpapers; SHERPA/RoMEO repositories; KVK; WorldCat; CrossRef; CrossCheck.
	119)	L. Ciurca, M. A. Paun, M. Barhalescu, M. Jarcau, C. G. Dumitras, A. Corabieru, V. A. Paun, Agop M., Paun V.P., Non-linear Behaviors in the Dynamics of Complex Systems Through a Multifractal Hydrodynamic Model, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 84 (4), 149-168, 2022, revista cotată ISI - factor de impact:1,160)
	120)	L. Dobreci, A. Saviuc, T.-C. Petrescu, M-A. Paun, M. Frasila, F. Nedeff, V.-A. Paun, C.G. Dumitras, V.-P. Paun, M. Agop, Towards interaction trough differentiable– non–differentiable scale transition in scale relativity theory, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 83(2), 239-252, 2021, revista cotată ISI - factor de impact:1,160)
	121)	Laurențiu Slătineanu, Margareta Coteață, Oana Dodun, Florentin Cioată, Adriana Munteanu, Adelina Hrițuc, Gheorghe Nagîț, Andrei Mihalache Ergonomic Approach to Teaching Online Activity Using Principles of Axiomatic Design, ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue 3, pag 843-845, Special SI, Indexata Web of Science/ WOS:000953026700038, 2022.
	122)	Lazar P., Cimpoesu N., Istrate B., Cazac A.M., Burduhos-Nergis D.-P., Benchea M., Berbe-

		caru A.C., Badarau G., Vasilescu G.D., Popa M. and Bejinariu C. Microstructural and Mechanical Properties Analysis of Phosphate Layers Deposited on Steel Rebars for Civil Constructions. Coatings (Coatings), Volume 14, Issue 2, Article Number 182. DOI https://doi.org/10.3390/coatings14020182. Published FEB 2024. Indexed: 2024-03-16. Document Type Article. Language English. Accession Number WOS: 001172369600001. eISSN 2079-6412. IF 2022: 3.4, IF 2022: 3.4.
	123)	Lazar, P., Cimpoesu, N., Istrate, B., Cazac, AM., Burduhos-Nergis, DP., Benchea, M., Berbecaru, AC., Badarau, G., Vasilescu, GD., Popa, M., Bejinariu, C., Microstructural and Mechanical Properties Analysis of Phosphate Layers Deposited on Steel Rebars for Civil Constructions, COATINGS, Volume14 Issue2, Article Number 182, 2024, DOI 10.3390/coatings14020182, WOS:001172369600001
	124)	Loghin E.C., Verzea I., Vîlcu A., Rusu B., Tiţă C., A framework of identifying relevant dimensions in assessing a digitalization model for companies operating in the fashion industry, Acta Technica Napocensis, Applied Mathematics, Mechanics, and EngineeringVol. 67, Issue SI, FI = 0.1
	125)	Luca, AC; Curpan, AS; Braha, EE; Tarca, E; Iordache, AC; Luca, FA; Adumitrachioaiei, (2022).Increasing Trends in Obesity-Related Cardiovascular Risk Factors in Romanian Children and Adolescents-Retrospective Study. Healthcare 10(12). WOS:000900913900001
	126)	Luca, AC; Curpan, AS; Iordache, AC; Mîndru, DE; Tarca, E; Luca, FA; Paduret, IA. (2023) Cardiotoxicity of Electronic Cigarettes and Heat-Not-Burn Tobacco Products-A Problem for the Modern Pediatric Cardiologist. Healthcare, 11(4). WOS:000938663800001
	127)	Luca, AC; Miron, IC; Mîndru, DE; Curpan, AS; Stan, RC; Tarca, E; Luca, FA; Paduret, AI (2022). Optimal Nutrition Parameters for Neonates and Infants with Congenital Heart Disease. Nutrients 14 (8) WOS:000786146800001
	128)	Luca, FA; Epuran, G., Ciobanu, CI, Horodnic, AV. (2019). Green Jobs Creation - Main Element in the Implementation of Bioeconomic Mechanisms, Amfiteatru Economic, Volume: 21 Issue: 50 Pages: 60-74, WOS:000456190000005 Butnariu,
	129)	Luca, FA; Tiganas, CG; Grigoras-Ichim, CE; Filipeanu, D; Morosan-Danila, L. (2024). Critical Perspectives of Organisational Behaviour towards Stakeholders through the Application of Corporate Governance Principles. Administrative Sciences, 14(5), WOS: 001232283200001.
	130)	Lutcanu, M., Istrate, B., Coteata, M., Stirbu, I., Birnoveanu, IT., Popa, M., Manole, V., Cimpoesu, N., 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, Volume65 Issue4 Special Issue, Pages 1209-1214, 2022, WOS:000969679100030
	131)	M Ciorap, D Andriţoi, R Ciorap, C.G. Dumitraş, Study on the implementation of the Industry 4.0 concept in medical device manufacturing, IOP Conference Series: Materials Science and Engineering, vol 1254, International Conference on Electromagnetic Fields, Signals and BioMedical Engineering (ICEMS-BIOMED 2022) 18/05/2022 - 20/05/2022 Sibiu, Romania, 2022, 10.1088/1757-899X/1254/1/012041 (lucrare indexata ISI)
	132)	M. Frasila, M.-A. Paun, C.G. Dumitras, T-C Petrescu, V-A Paun, V-P Paun, M. Agop, Nonlinear Behaviors of Airy Type on Scales Space From a Fractal Perspective, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 83(4), 263-274, 2021, revista cotată ISI - factor de impact:1,160)
	133)	M. Frasila, M.-Al. Paun, C.G. Dumitras, V. Ghizdovat, C. M. Rusu, V.-Al. Paun, M. Agop, V.-P. Paun, Some Physical Implications Of Absolute Geometries In The Description Of Complex Systems Dynamics, U.P.B. Sci. Bull., Series A, Vol. 85, Iss. 2, p. 125-138, 2023, ISSN 1223-7027
	134)	M. Horodinca, Fl. Chifan, E. Paduraru, C. G. Dumitras, A. Munteanu, D.-Fl. Chitariu, A Study of 2D Roughness Periodical Profiles on a Flat Surface Generated by Milling with a Ball Nose End Mill, Materials , 17(6), 1425, 2024; https://doi.org/10.3390/ma17061425 impact factor 3,2 Q2 zona galbena
	135)	M. Horodinca, N-E Bumbu, D-Fl. Chitariu, A. Munteanu, C.G. Dumitras, Fl. Negoescu, C-Gh. Mihai, On The Behaviour Of An AC Induction Motor As Sensor For Condition Monitoring Of Driven Rotary Machines, *Sensors*, *23*(1), 488, 2023; https://doi.org/10.3390/s23010488(revista cotată ISI - factor de impact: 3,847– zona galbenă)
	136)	M. Sha'at, M. Ignat, L. Sacarescu, A. Fl. Spac, Al. Barsan, V. Ghizdovat, E. Nazaretian, C. G. Dumitras, M. Agop, C. M. Rusu, L. Ochiuz ,Multifractal Analysis and Experimental Evaluation of MCM-48 Mesoporous Silica as a Drug Delivery System for Metformin Hydrochloride, Biomedicines, 12(12), 2838, 2024, DOI: 10.3390/biomedicines12122838, impact factor 3,9, Q1 – zona roşie
	137)	M.I. Munteanu, A.I. Nistor, Magnetic curves in the generalized Heisenberg group, Nonlinear Analysis, 214 (2022) art. 112571. (ISI)
	138)	M.I. Munteanu, A.I. Nistor, Magnetic Jacobi fields in 3-dimensional cosymplectic manifolds, Mathematics, Special Issue Differential Geometry: structures on manifolds and their applications, 9 (2021) 24 art. 3220. (ISI)
	139)	Maria Harja, Carmen Teodosiu, Dorina Nicolina Isopescu, Osman Gencel, Doina Lutic,

		Gabriela Ciobanu, Igor Cretescu, Using fly ash wastes for the development of new building materials with improved compressive strength, Materials, 15 (2), article no. 644, 15 pagini (1-15), 2022. ISI-IF: 3.100 (2023)
	140)	Maria Harja, Gabriela Buema (autor corespondent), Nicoleta Lupu, Horia Chiriac, Dumitru Daniel Herea, Gabriela Ciobanu (autor corespondent), Fly ash coated with magnetic materials: improved adsorbent for Cu (II) removal from wastewater, Materials, 14 (1), Article Number: 63, 17 pagini (1-17), 2021. ISI-IF: 3.100 (2023)
	141)	Maria Harja, Mihaela Caftanachi, Mihaela Fanache (Vasiliu), Gabriela Ciobanu, Fly ash waste for obtaining building materials with improved durability, Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry (Studii şi Cercetări Ştiinţifice - Chimie şi Inginerie Chimică, Biotehnologii, Industrie Alimentară), 24 (1), pp. 049 – 060, 2023
	142)	Matcovschi, E., Pricop, B., Lohan, NM., Popa, M., Badarau, G., Cimpoesu, N., Ozkal, B., Bujoreanu, LG., A Study of the Effects of Mechanical Alloying Fraction, Solution Treatment Temperature and Pre-Straining Degree on the Structure and Properties of a Powder Metallurgy-Produced FeMnSiCrNi Shape Memory Alloy, CRYSTALS, Volume15 Issue2, Article Number 105, 2025, DOI 10.3390/cryst15020105, WOS:001429691500001
	143)	Mădălina Simona Bălţatu, Andrei Victor Sandu, Marcin Nabialek, Petrică Vizureanu, Gabriela Ciobanu, Biomimetic deposition of hydroxyapatite layer on titanium alloys, Micromachines, 12 (12), article number 1447, 12 pag., 2021. ISI-IF: 3.000 (2023)
	144)	Merticaru, V.; Nagîț, G.; Dodun, O.; Merticaru, E.; Rîpanu, M.I.; Mihalache, A.M.; Slătineanu, L. Influence of Machining Conditions on Micro-Geometric Accuracy Elements of Complex Helical Surfaces Generated by Thread Whirling. Micromachines 2022, 13(9), 1520. https://doi.org/10.3390/mi13091520. REV indexata ISI – IF 3,523 (Factor impact)
	145)	Mihaita Horodinca, Florin Chifan, Emilian Paduraru, Dumitras Catalin-Gabriel, Dragos-Florin Chitariu, A Study of 2D Roughness Periodical Profiles on a Flat Surface Generated by Milling with a Ball Nose End Mill, Materials, Vol. 17. Issue, 6, 1425. Revista Q1 - zona rosie, Factor de impact (2023) = 3.1
	146)	Mihaita Horodinca, Neculai-Eduard Bumbu, Dragos-Florin Chitariu, Adriana Munteanu, Catalin-Gabriel Dumitras, Florin Negoescu, Constantin-Gheorghe Mihai, On the Behaviour of an AC Induction Motor as Sensor for Condition Monitoring of Driven Rotary Machines, Sensors, 2023 Volume 23, Issue 1, pages 488. Revista Q2 -zona galbena, Factor de impact (2023) = 3.4
	147)	Mihalache, A ; Hrituc, A; Slatineanu, L; Nagit, G ; Dodun, O ; Ermolai, V ; Panaite, E, The Behavior of a 3D Printed Panel under Thermal Stress, MacroMolecular Symposia Volume 404, Issue 1, Special Issue SI, Article Number 2100332, DOI 10.1002/masy.202100332, AUG 2022, Revista ISI, factor de impact 0.913/2022
	148)	Mihalache, A. M., Merticaru, V., Ermolai, V., Dodun, O., Nagiț, G., Hrițuc, A., Rîpanu, M. I., & Slătineanu, L. (2025). Friction in Cylindrical Joints. Lubricants , 13 (2), 66. https://doi.org/10.3390/lubricants13020066, Revista ISI, factor de impact 3.1/2023
	149)	Mihalache, AM ; Ermolai, V ; Sover, A ; Nagit, G ; Boca, MA ; Slatineanu, L ; Hrituc, A ; Dodun, O ; Ripanu, MI , Tensile Behavior of Joints of Strip Ends Made of Polymeric Materials, POLYMERS 14 (22), 4990, 10.3390/polym14224990, May 2022, Revista ISI, factor de impact 4.207/2022
	150)	Morăras, C.M., Goanță, V., Husaru, D.E., Istrate, B., Bârsănescu, P.D., Munteanu, C. (2023). Analysis of the Effect of Fiber Orientation on Mechanical and Elastic Characteristics at Axial Stresses of GFRP Used in Wind Turbine Blades, Polymers, vol. 15, https://doi.org/10.3390/polym15040861 (FI=5/2022)
	151)	Morăras, C.M., Husaru, D.E., Goanță, V., Bârsănescu, P.D., Lupu, C.F., Munteanu, C., Cimpoeșu,N., Cosău, E.R. (2024). A New Method for Compression Testing of Reinforced Polymers, Polymers, vol.16(21) 3071, https://doi.org/10.3390/polym16213071 (FI=4,7/2023)
	152)	Munteanu Adriana, Chitariu Dragos-Florin, Horodinca Mihaita, Dumitras Catalin-Gabriel, Negoescu Florin, Savin Anatolie, Chifan, Florin A Study on the Errors of 2D Circular Trajectories Generated on a 3D Printer, Volum 1, Issue24, DOI10.3390/app112411695, APPLIED SCIENCES-BASEL, Indexata Web of Science/ WOS:000743050700001, 2021
	153)	Munteanu Adriana, Păduraru Emilian, Cioată Florentin, Ciobanu Maria, Morphological Matrices Application in Case of Location-Positioning Devices with Tiltable Plate, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi Volumul 69 (73), Numărul 1, Secţia CONSTRUCŢII DE MAŞINI DOI:10.2478/bipcm-2023-0009, 2023.
	154)	Nagit; Slatineanu; Dodun, Mihalache; Ripanu; Hrituc, Influence of Some Microchanges Generated by Different Processing Methods on Selected Tribological Characteristics, MICROMACHINES 13 (1), Jan 2022, Revista ISI, factor de impact 2.942/2021
	155)	Nagît, G., Mihalache, AM, Dodun, O., Hrițuc, A., Slătineanu, L., Merticaru, V., Change in Time of the Value of Dry and Lubricated Friction Coefficients for Surfaces Generated by Different Processing Methods, Oct 2023, LUBRICANT 11 (10), 436, 10.3390/lubricants11100436, Revista ISI, factor de impact 3.1/2023
	156)	Nagît, G; Mihalache, AM; Beliu-Bancescu I., Dodun O., Andruşcă L., Hrițuc A., Olaru S.,

		Slatineanu L., Punching Accuracy in the Case of Square-Shaped Holes, MACHINES 12 (8) 2024, WOS:001305334400001, Revista ISI, factor de impact 2.1/2024
	157)	Nejneru, C., Burduhos-Nergis, D.P., Axinte, M., Perju, M., Bejinariu, C. Analysis of the Physical-Mechanical Properties of theZinc Phosphate Layer Deposited on a Nodular CastIron Substrate. Coatings (Coatings), Volume 12, Issue 10, Article Number 1384. DOI https://doi.org/10.3390/coatings12101384. Published OCT 2022. Document Type Article. Language English. Indexed, 2022-11-03. Accession Number WOS: 000872654800001. eISSN 2079-6412. IF 2021: 3.236, IF 2022: 3.4.
	158)	Nejneru, C., Burduhos-Nergis, D.P., Axinte, M., Perju, M., Bejinariu, C. Corrosion Behaviour of Nodular Cast Iron Used for Rotor Manufacturing in Different Wastewaters. Coatings (Coatings), Volume 12, Issue 7, Article Number 911. DOI https://doi.org/10.3390/coatings12070911. Published JUL 2022. Document Type Article. Language English. Indexed, 2022-08-04. Accession Number WOS: 000831664600001. eISSN 2079-6412. IF 2021: 3.236, IF 2022: 3.4.
	159)	Nicolae Daniel Olteanu, Camelia Szuhanek, Sorana Nicoleta Rosu, Dragos Florin Chitariu, Nicolae Seghedin, Tinela Panaite, Amalia Casalean, Irina Nicoleta Zetu. An Assessment of the Mechanical Deformation Behavior of Three Different Clear Aligner Materials: A Digital Image Correlation Analysis, Appl. Sci., 2024, 14(17), 7496; https://doi.org/10.3390/app14177496 (Fi=2,5).
	160)	Nicolau, M; Hrituc, A; Mihalache, MA, Nagîț, Gh., Dușa P., Crăciun E., Munteanu A.,Dodun O.; Slatineanu, L., Perforation resistance of some materials in 3D printed parts, 27th International Conference of the European-Scientific-Association-on-Material- Forming (ESAFORM), MATERIAL FORMING, ESAFORM 2024 41 , pp.2514-2523, 2024, WOS:001258853000277, Revista 50.ISI factor de impact 2.6/2024
	161)	Olteanu, N.D.; Szuhanek, C.; Rosu, S.N.; Chitariu, D.F.; Seghedin, N.; Panaite, T.; Casalean, A.; Zetu, I.N. An Assessment of the Mechanical Deformation Behavior of Three Different Clear Aligner Materials: A Digital Image Correlation Analysis. Appl. Sci. 2024, 14, 7496.
	162)	P. Nica, C. Ursu, C. Focsa .Electrical Characterization Of Carbon Plasma Generated By Excimer Laser Ablation Of Graphite. Appl. Surf. Sci. 2021. 540. 148412.
	163)	P. Nica, C. Ursu, C. Focsa Long-Range Oscillations Of A Laser-Produced Carbon Plasma Recorded By An Electrostatic Energy Analyzer. Journal Of Applied Physics 2021. 129(5). 53305
	164)	Panaite, CE; Dodun, O; Rakosi, E., Slatineanu, L., IDENTIFYING AND DEVELOPING AN INNOVATIVE DESIGN THEME WHEN WORKING IN A STUDENT TEAM, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERINGarrw_drop_down 67 (1) , pp.95-104, Feb 2024, WOS:001328942700011, Revista ISI, factor de impact 0.1/2024
	165)	Panaite, CE; Mihalache, AM ; Slatineanu, L ; Popescu, A ; Nagit, G ; Hrituc, A ; Dodun, O , Numerical and Experimental Investigations of Thermal Conductivity of 3D Printed Polylactic Acid, MacroMolecular Symposia, Volume 404, Issue 1, Special Issue SI, Article Number 2100338, DOI 10.1002/masy.202100338, AUG 2022, Revista ISI, factor de impact 0.913/2022
	166)	Panaite; Mihalache; Dodun; Slatineanu; Popescu; Hrituc; Nagit, Response in Polylactic Acid and Acrylonitrile Butadiene Styrene Used in Additive Manufacturing, POLYMERS 14 (9), May 2022, Revista ISI, factor de impact 4.207/2022
	167)	Păduraru, E., Dumitraș, C.G., Chitariu, D.F., Horodincă, M., Chifan, F. (2023), Research on Additive Technique Parameter Optimization for Robotic Gripper Construction, Machines 2023, 11, 621. https://doi.org/10.3390/machines11060621
	168)	Petrilean, D.C., Fita, N.D., Vasilescu, G.D., Ilieva-Obretenova, M., Tataru, D., Cruceru, E.D., Mateiu C.I., Nicola, A., Darabont, D.C., Cazac, A.M., Bejinariu, C. Sustainability Management Through the Assessment of Instability and Insecurity Risk Scenarios in Romania's Energy Critical Infrastructures. Sustainability (SUSTAINABILITY-BASEL). Volume 17. Issue 07. Article Number 2932. DOI 10.3390/su17072932. Published MAR 2025. Indexed 2025-04-18. Document Type Article. Language English. Accession Number WOS:001465626500001. eISSN 2071-1050. IF 2023: 3.3, IF 2023: 3.3.
	169)	Popa, M., Lohan, NM., Pricop, B., Cimpoesu, N., Porcescu, M., Comaneci, RI., Cazacu, M., Borza, F., Bujoreanu, LG., Structural-Functional Changes in a Ti50Ni45Cu5 Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect, NANOMATERIALS, Volume12 Issue12, Article Number 2088, 2022, DOI 10.3390/nano12122088, WOS:000816628600001
	170)	Popa, M., Popa, F., Pricop, B., Cimpoesu, N., Lohan, NM., Kicsi, G., Istrate, B., Bujoreanu, LG., Heat Treatment and Dynamic Mechanical Analysis Strain Sweep Effects on the Phase Structure and Morphology of an Fe-28Mn-6Si-5Cr Shape Memory Alloy, NANOMATERIALS, Volume13 Issue7, Article Number 1250, 2023, DOI 10.3390/nano13071250, WOS:000970049400001
	171)	Popescu Daniela, Andrei Dragomirescu. "Cost-benefit analysis of a hydro-solar microsystem with Archimedean screw hydro turbine sized for a prosumer building." Renewable Energy 226 (2024): 120402 (WOS:001224920100001, categoria Q1, factor impact 9.10)
	172)	Radulescu Bruno, Mihalache Andrei Marius, Hrituc Adelina, Radulescu Mara, Slatineanu

		Laurenţiu, Munteanu Adriana, Dodun Oana, Nagit Gheorghe, Thermal Expansion of Plastics Used for 3D Printing, Polymers, Volum14, Tom 15, nr. 3061, DOI 10.3390/polym14153061, Indexata Web of Science/ WOS:000838950000001, 2022.
	173)	Radulescu; Mihalache; Radulescu; Slatineanu; Hriţuc; Dodun; Nagit; Coteata, M, SELECTION OF A METHOD FOR MACHINING AN ARCHIMEDEAN SPIRAL GROOVE, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 65 (1) , pp.231-238, Feb 2022, Revista ISI fără factor de impact 2022/Conferinţă
	174)	Razika A., Bouzerara R., Chaib R., Verzea I., Contribution to the assessment of the psychological risks in academia using KARASEK and SIEGRIST models - case study: Constantine I University, Algeria, Serbian Journal of Management 18 (2), 2023, pp. 237 - 251 FI = 0,8
	175)	Rădulescu, B., Mihalache, A. M., Păduraru, E., Hriţuc, A., Rădulescu, M., Slătineanu, L., Ermolai, V. (2023), Tensile Behavior of Chain Links Made of Polymeric Materials Manufactured by 3D Printing, Polymers 2023, 15(15), 3178; https://doi.org/10.3390/polym15153178
	176)	Ripanu; Mihalache; Slatineanu, Mares, Andrusca, Hrituc, Dodun, Nagit, Coteata; Tensile Strength of Threaded Rods Made by 3D Printing of Polymeric Material, Radulescu, MATERIALE PLASTICE 58 (4) , pp.9-18, Dec 2021, Revista ISI, factor de impact 0.593/2021
	177)	Roman, A.-M., Cimpoeșu, R., Pricop, B., Cazacu, M. M., Zegan, G., Istrate, B., Cocean, A., Chelariu, R., Moscu, M., Bădărău, G., Cimpoeșu, N., & Ivănescu, M. C. (2024). Investigations on the Degradation Behavior of Processed FeMnSi-xCu Shape Memory Alloys. Nanomaterials 2024, Vol. 14, Page 330, 14(4), 330. https://doi.org/10.3390/NANO14040330
	178)	Rotundu, A., Agop, S., Paun, M.A., Bejinariu, C., Petrescu, T.C., Rusu, C.M., Cazac, A.M., Paun, V.A., Agop, M., Paun, V.P. Constitutive Material Laws in the Multifractal Theory of Motion (Part I). U.P.B. Sci. Bull., Series A (University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics), Vol. 85, Iss. 4, Page 213-224, 2023, Indexed 2024-01-26. Language: English. Accession Number WOS:001133100100001. IDS Number: DO8Y8. ISSN 1223-7027. IF 2022: 1.1, IF 2022: 1.1.
	179)	S.D. Ionesi, L. Ciobanu, C.G. Dumitraș, M. Avădanei, I. Dulgheriu, I. Ionescu, M.C. Loghin, FemAnalysis of Textile Reinforced Composite Materials Impact Behavior, Materials, 14,7380, (2021), doi.org/10.3390/ma14237380, (revista cotată ISI - factor de impact:3,748 – zona roșie)
	180)	Sava, SD., Lohan, NM., Pricop, B., Popa, M., Cimpoesu, N., Comaneci, RI., Bujoreanu, LG., On the Thermomechanical Behavior of 3D-Printed Specimens of Shape Memory R-PETG, POLYMERS, Volume15 Issue10, Article Number 2378, 2023, DOI 10.3390/polym15102378, WOS:000998066100001
	181)	Sava, SD., Pricop, B., Comaneci, RI., Cimpoesu, N., Popa, M., Lohan, NM., Bujoreanu, LG., Variations in the Thermomechanical and Structural Properties during the Cooling of Shape-Memory R-PETG, POLYMERS, Volume16 Issue14, Article Number 1965, 2024, DOI 10.3390/polym16141965, WOS:001277210500001
	182)	Sava, SD., Pricop, B., Popa, M., Lohan, NM., Matcovschi, E., Cimpoesu, N., Comaneci, RI., Bujoreanu, LG., Highlighting Free-Recovery and Work-Generating Shape Memory Effects at 80r-PET Thermoformed Cups, POLYMERS, Volume16 Issue24, Article Number 3598, 2024, DOI 10.3390/polym16243598, WOS:001383989100001
	183)	Slatineanu, L ; Coteata, M ; Dodun, O ; Cioata, F ; Munteanu, A ; Hrituc, A ; Nagit, G ; Mihalache, A , ERGONOMIC APPROACH TO TEACHING ONLINE ACTIVITY USING PRINCIPLES OF AXIOMATIC DESIGN, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume 65, Issue 3, 843-852, SI,
	184)	Slatineanu; Mihalache; Andrusca, Hrituc, Coteata, Dodun; Nagit; Besliu, Generation and compression testing of spherical wood bodies, WOOD MATERIAL SCIENCE & ENGINEERING, Jun 2021, Revista ISI, factor 2.553/2021
	185)	Stelian Cazan; Spiridon Crețu, Tooth contact analysis of spur and helical gears in case of shafts deflections, ASME 2024 International Design Engineering Technical Conferences, ASME Proceedings, Washington DC, 2024.
	186)	Syed Amir Ghazi Ali Shah, Ali Hassan, Najah Alsubaie, Abdullah Alhushaybari, Fahad M. Alharbi, Ahmed M. Galal, Diana-Petronela Burduhos-Nergis and Costica Bejinariu. Convective Heat Transfer in Magneto-Hydrodynamic Carreau Fluid with Temperature Dependent Viscosity and Thermal Conductivity. Nanomaterials (Nanomaterials), Volume 12. Issue 22. Article Number 4084. DOI 10.3390/nano12224084. Published NOV 2022. Indexed 2022-12-08. Document Type, Article. Language, English. Accession Number WOS:000887621900001. PubMed ID 36432369. eISSN 2079-4991. IDS Number 6K6PR. IF 2021: 5.719, IF 2022: 5.3.
	187)	Șt. Agop, M-Al. Paun, C.G Dumitras, M. Frasila, V-Al. Paun, M. Agop, V-P. Paun, G. Ștefan, On A Special Symmetry In The Dynamics Of Complex Systems In A Holographic-Type Perspective, U.P.B. Sci. Bull., Series A, Vol. 85, Iss. 1, pp. 178-188, 2023, ISSN 1223-7027
	188)	Tarca, V; Tarca, E; Luca, FA (2022). The Impact of the Main Negative Socio-Economic Factors on Female Fertility. Healthcare, 10(4), WOS:000787506700001

	189)	T-C Petrescu, M-A Paun, M Jarcau, L Ciurca, V-A Paun, C.G. Dumitras, V P Paun, M Agop, Self-structuring of Cellular and Channel Type in Complex System Dynamics in the Framework of Scale Relativity Theory, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 84 (1), 175-190, 2022, revista cotată ISI - factor de impact:1,160)
	190)	Teodoriu, AP., Pricop, B., Lohan, NM., Popa, M., Comaneci, RI., Doroftei, I., Bujoreanu, LG., Designing a Robotic Gripper Based on the Actuating Capacity of NiTi-Based Shape Memory Wires, ACTUATORS, Volume13 Issue8, Article Number 319, 2024, DOI 10.3390/act13080319, WOS:001305681500001
	191)	Turcov, D; Barna, AS; Apreutesei, OT; Trifan, A; Puitel, AC; Suteu, D; Valorization of Bioactive Compounds from Residual Saffron Biomass (Crocus sativus L.) to Obtain High Value Added Dermato-Cosmetic Products, BIORESOURCES, Volume 17; Issue 3; Page 4730-4744; 2022, DOI10.15376/biores.17.3.4730-4744; FI 1,5
	192)	Turcov, D; Barna, AS; Blaga, AC; Ibanescu, C; Danu, M; Trifan, A; Zbranca, A; Suteu, D, Dermatocosmetic Emulsions Based on Resveratrol, Ferulic Acid and Saffron (Crocus sativus) Extract to Combat Skin Oxidative Stress-Trigger Factor of Some Potential Malignant Effects: Stability Studies and Rheological Properties, PHARMACEUTICS, Volume14, Issue11, 2022, DOI: 10.3390/pharmaceutics14112376, FI 5,4
	193)	Turcov, D; Barna, AS; Trifan, A; Blaga, AC; Tanasa, AM; Suteu, D, Antioxidants from Galium verum as Ingredients for the Design of New Dermatocosmetic Products, PLANTS-BASEL, Volume11, Issue19, 2022, DOI10.3390/plants11192454; FI 4,5
	194)	Turcov, D; Barna, S; Profire, L; Iacob, AT; Lisa, G; Puitel, AC; Zbranca, A; Suteu, D; Physico-Chemical Characterization Of The Antioxidant Mixture Resveratrol-Ferulic Acid For Applications In Dermato-Cosmetic Products, FARMACIA, Volume70, Issue 3, Page 410-416, 2022, DOI10.31925/farmacia.2022.3.5; FI: 1,6
	195)	V. Ghizdovat, E. Nazaretian, C. G. Dumitras, M. Agop, C. Placinta, C. Buzea, C. M. Rusu, D. Vasincu, Z. Borsos,Correlative Dynamics of Complex Systems: A Multifractal Perspective of Motion Based on SL (2R) Symmetry, Symmetry, 17(1), 27, 2024, DOI: 10.3390/sym17010027, impact factor 2,2 – Q2 zona galbena
	196)	V. S. Dragan, M. A. Paun, M. Jarcau, C. G. Dumitras, C. Placinta, V. A. Paun, Agop M., Paun V. P., Rosu I. A., Conductive-type behaviors in the dynamics of complex systems through scale relativity theory, UPB Scientific Bulletin, series A, Applied Mathematics and Physics, vol 84 (2), 203-212, 2022, revista cotată ISI - factor de impact:1,160)
4. Lucrări ştiinţifice publicate în reviste cotate BDI (Scopus, IEEE, Index Copernicus, Google Scholar)/ volume conferinte		
	1)	Ababei, R. V., Garofalide, S., Bulai, G., Dimitriu, G. D., Gurlui, S., & Cazacu, M. M. (2025). Unveiling the Correlation between Lyapunov Coefficients and Deep Learning Performance Using Ceilometer Data. IEEE Geoscience and Remote Sensing Letters, 22, 1–5. https://doi.org/10.1109/LGRS.2025.3557150
	2)	Adriana Munteanu, Emilian Păduraru, Method and Device for Angle Control of Conical Shafts, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, VOLUME 71 (2025): ISSUE 1, 2025.
	3)	Afaf Kouiled A; Luca, F.A.; Mahdjouba, H.; Bennouna S. (2023). The role of consumer protection associations in rationalizing consumer purchasing behavior , an exempler of consumer research in state of Ourgla, Alegeria. Management Intercultural, vol XXV, Issue 50
	4)	Alexandra-Tamara Șutic,A, Cătălin Panaghie,B, Viorel Paleu,C,Ramona Cimpoeșu Ana-Maria Roman,E, Margareta Coteață,F,Liviu Andrușcă,G, Gheorghe Bădără,H, Petronela Paraschiv3,I,Nicanor Cimpoeșu, WEAR RESISTANCE OF AS-CAST ZNMGBIODEGRADABLE ALLOY, Innovative Manufacturing Engineering And Energy - Imanee2024, Materials Research Proceedings 46, ISSN 2474-3941, 2024, DOI: Https://Doi.Org/10.21741/9781644903377-33
	5)	Analysis Of Fracture Through Tension And Torsion Of 316l Stainless Steel, G Huțanu, L Andrușcă, M Popa, P Paraschiv, V Manole, I Știrbu, N Cimpoeșu, International Journal Of Modern Manufacturing Technologies, 2024, ISSN 20673604, DOI 10.54684/ijmmt.2024.16.2.65
	6)	Andreea Mădălina Pană, Bruno Rădulescu, Mara Cristina Rădulescu, Adriana Munteanu, Andrei Marius Mihalache, Adelina Hrițuc, Laurențiu Slătineanu, Selecting A Device Solution For Assessing The Circularity Deviation Of A Disc-Type Part, Proceedings in Manufacturing Systems, Volume 19, Issue 1, 35-42, ISSN 2067-9238, 2024.
	7)	Aouad R., Bouzrara R., Chaib R., Verzea I., Contribution to the evaluation of psychosocial risks in academia. Case study: Constantine1 University, Algeria, Polish Journal of Environmental Studies, 2023, FI=1,4
	8)	Apetroaie, C., Bostan, D.-C., Timofte, A., Bostan, S., & Cazacu, M.-M. (2022). Usage of Atmospheric Sounding to Characterize the Meteorological Events on the Night of 23/24 August, 2022. Bulletin of the Polytechnic Institute from Iaşi: Chemistry and Chemical Engineering Section, 68(2), 33–62. https://doi.org/10.2478/bipmf-2022-0008
	9)	Apetroaie, C., Timofte, A., Bostan, D.-C., Bostan, S., & Cazacu, M.-M. (2022). The description of important historical moments in terms of meteorological aspects. Bulletin of the Polytechnic Institute from Iaşi: Chemistry and Chemical Engineering Section, 68(3), 53–69. https://doi.org/10.2478/bipmf

	10)	Arvinte, C., Hristian, L., Burduhos-Nergis, D.P., Bernevig, M.A., Toma, S.L., Sandu, I.G., Bejinariu, C. Protection against mechanical risks provided by gloves used by firefighters in intervention actions. (2021) Journal of Physics: Conference Series, 1960 (1), art. no. 012016. DOI: 10.1088/1742-6596/1960/1/012016. Document Type: Conference Paper. Publication Stage: Final. Access Type: Open Access. Source: Scopus
	11)	Axinte, R., Jitaru, O. - L activite didactique en ligne. Benefices et dilemes ethique, în coord. Dîrţu, E., Baciu, I., vol. Autor et a travers, pp. 95-106, ISBN 978-973-621-508-7, editura Politehnium, Iaşi, 2022.
	12)	Bejinariu, C., Darabont, D.C., Cioca, L.I. WORK SAFETY SELF-ASSESSMENT (PART III). APPLICATIONS: Work Means / Work Equipment; Work Environment by Workplaces / Workstations. Annals of the Academy of Romanian Scientists, Series on Engineering Sciences, Volume 17, Number 2/2025, pp 149-167, DOI: 10.56082/annalsarscieng.2025.2.149, ISSN 2066-8570
	13)	Belhour S., Chaib R., Bouzerara R., Kahoul H., Verzea I, For an efficient management of drilling risks. Case study: the blowout preventer system, Acta Technica Napocensis-Applied Mathematics Mechanics and Engineering, Vol. 66, Issue 3, September 2023, pp 341-354, FI=0.1
	14)	Bianca-Iuliana Franke (Misinciuc), Conceptualization, symbolism and metonymy as mechanisms of metaphorical meaning in idiomatic expressions: Interlinguistic comparison, Buletinul Institutului Politehnic din Iaşi, Volumul 70 (74), nr. 3-4, Secţia Ştiinţe Socio-umane, 2024, ISSN 1224-5860, pp. 21-34, baza de date CEEOL
	15)	Bianca-Iuliana Franke (Misinciuc), The miserable empath. About the dark side of emotional intelligence, 12th International Conference: Synergies in Communication (SiC), Section 6: Multidisciplinary Approaches to Human Experience, Editura ASE, ISSN 2668-9375, Bucureşti, 2025.
	16)	Bisoc, C. G., Pruna, L., Irimia, A. I., & Grigoruta, L. C. (2025). Innovative Representation Of Triple Orthogonal Projection Using 3d Printing Technology. Journal of Industrial Design and Engineering Graphics, 20(2), 25-30, https://doaj.org/article/6bc9adc984264eb099e2dcc2b7149844.
	17)	Bobu, R., Jitaru, O.: Counseling beginning teachers and optimizing teacher-student relationsh, în vol. ”Values, models, education. Contemporary perspectives”, Editori Opriş, D., Scheau, I., Aleksandrov, A., editura Eikon Publishing House, Bucharest, e-ISBN: 978- 606-49-0815-5, doi: https://foi.org/10.56177//epvl.ch22.2022.en, 2022.
	18)	Bogdan-George Rusu, Cristian Ursu, Daniela Ionita, Victor Oancea, Mihaela Olaru, Gabriel Ababei, Petru Nica, FLUORESCENT CARBON NANOPARTICLES SUSPENSION GENERATED BY PULSED LASER ABLATION IN ETHANOL, International Conference Progress in Organic and Macromolecular Compounds 29th Edition, Iasi, Romania, 4-6 October 2023, https://icmpp.ro/macroiasi2023/index.php, Proceedings, pg. 50-52, ISSN 2810 – 2126 | ISSN – L 2810 – 2126
	19)	Bostan, D., Miclăuș, I., Apetroaie, C., Voiculescu, M., Timofte, A., & Cazacu, M.-M. (2023). Long-Range Transport Analysis Based on Eastern Atmospheric Circulation and Its Impact on the Dust Event over Moldavia , Romania in August 2022 Circulation and Its Impact on the Dust Event over Moldavia ,. Atmosphere, 14(August), 1366.
	20)	Bouyaya L., Chaib R., Verzea I., Contribution to the improvement of pumping system reliability. Case study: Beni-Haroun water pump station, Algeria, Acta Technica Napocensis-Applied Mathematics Mechanics and Engineering, Vol. 65, Issue 2, June, 2022, pp 217-228, FI = 0,1
	21)	Brezuleanu M., Verzea I, Mamaliga A., Analysis regarding the development of leadership skills for increasing organisational performance. Case study in a business consulting company for european funds, Acta Technica Napocensis, Applied Mathematics, Mechanics, and EngineeringVol. 68, Issue SI, 2025
	22)	Buliga M.D., Verzea I., Brezuleanu S., Governance, strategy and risk management: a comparative analysis of leading international frameworks, International Symposium "Technical Textiles - Present and Future", Iasi, Nov. 2025
	23)	Burduhos-Nergis, D.P., Jurca, A.M., Popa, C.M., Cimpoesu, R., Darabont, D.C., Bejinariu, C. Phosphating Depositions for Equipment’s Used in Explosive Atmospheres. 10th International Conference on Manufacturing Science and Education – MSE 2021Sibiu, Romania, June 2-4, 2021. MATEC Web of Conferences, Volume 343, Article Number 10011 (2021). Published online: 04 August 2021. DOI: https://doi.org/10.1051/matecconf/202134310011.
	24)	Butnariu AM, Luca, F.A (2021). Triggers of Born Global Companies, Network Intelligence Studies, Vol. IX, no. 18 (2/2021) pp. 161 – 169
	25)	C. Ursu, A. Bele, G. Rusu, M. Dascalu, B. Ciubotaru, P. Nica, G. Stiubianu, Hybrid thermoregulatory nanocomposites developed for personal thermal comfort and camouflage, oral, "21st International Conference on Plasma Physics and Applications (Bucuresti, 1-5 Septembrie 2025), Internationala "National Institute for Laser, Plasma and Radiation Physics, Magurele, Ilfov, Romania, https://cespc.inflpr.ro/ pg. 161 ISSN 2344-0481
	26)	Caldarescu, G., Tanasievici, G.D., Bejinariu, C., Bernevig, M.A. The influence of economic factors in the management ofhealth and safety specific to SMEs. UNIVERSITARIA SIMPRO

	May 2021. MATEC Web of Conferences 342, 01019 (2021). https://doi.org/10.1051/matecconf/202134201019.
27)	Cazacu, M. M., Roșu, I. A., Bibire, L., Vasincu, D., Rotundu, A. M., & Agop, M. (2022). Theoretical and Experimental Designs of the Planetary Boundary Layer Dynamics through a Multifractal Theory of Motion. Fractal and Fractional, 6(12). https://doi.org/10.3390/fractalfract6120747
28)	Cebotari Alexandru, Popescu Daniela, Overview of Data-Driven Methods for District Heating Systems Diagnosis, Bulletin of the Polytechnic Institute of Iași. Machine constructions Section Volume 70 (2024): Issue 3, September 2024. (EBSCO. Google Scholar).
29)	Chelariu, R.G., Badarau, G., Cimpoesu, N., Bejinariu, C. A concise analysis of the regulations on the organisation of intervention and rescue activities at industrial establishments with potential danger of toxic, explosive, flammable gas emissions. Buletinul Institutului Politehnic din Iaşi publicat de Editura POLITEHNIUM din Iaşi, Volumul 69 (73), Numărul 1-4, Secţia Ştiinţa şi Ingineria Materialelor, 2023, pp 211-220, ISSN 1453-1690.
30)	Chelariu, R.G., Bejinariu, C., Bernevig, M.A., Toma, S.L., Cazac, A.M., Cimpoesu, N. Analysis of non-sparking metallic materials for potentially explosive atmospheres. 10th International Conference on Manufacturing Science and Education – MSE 2021,Sibiu, Romania, June 2-4, 2021. MATEC Web of Conferences, Volume 343, Article Number 10014 (2021). Published online: 04 August 2021. DOI: https://doi.org/10.1051/matecconf/202134310014.
31)	CHELARIU, R.G., BENCHEA, M., CIMPOEŞU, R., RUSU, O., MANOLE, V., BURDUHOS-NEGRIS, D.P., CIMPOEŞU, N., BEJINARIU, C. Structural and mechanical characterization of as-cast CuAlBe alloy. (2023) Materials Today: Proceedings, 72, pp. 594-599. DOI: 10.1016/j.matpr.2022.10.106. Document Type: Article. Publication Stage: Final. Source: Scopus.
32)	Chiruţă C., Tănasă I.M., Roșu I.A., Tudose O.G., Slușer B., Cazacu M.M., (2022). Case study of the evidence of PM1& PM2.5 contribution on PM10 from Podul de Piatra– Iasi city, Bulletin of the Polytechnic Institute of Iasi, Section Mathematics. Theoretical Mechanics, Physics, Volume 68(72), No. 1, doi:10.2478/bipmf-2022-0004
33)	Ciobanu G., Luca F.A. Mocanu A., Bouariu S. (2024). Exploring Economic Resilience, Green Tourism & Inter- Organizational Innovation 13th -14thship" . 18th International SEA Conference Economic Experiences In Sustainable Societies. Exploring Economic Resilience, Green Tourism & Inter-Organizational Innovation 13th -14th July, Iași, Romania.
34)	Ciocan, G., Nemuc, A., Belegante, L., & Cazacu, M. M. (2025). Mineral dust intrusions in Southeastern Romania: insights from seventeen years of sun photometer data. Journal of Optoelectronics and Advanced Materials, 27(July-August 2025), 354–367.
35)	Ciuculescu EL.; Luca FA (2022). How Can Cultural Strategies and Place Attachment Shape City Branding? Cross Cultural Management Journal, Vol XXIV nr 1
36)	Ciuculescu EL.; Luca FA (2022). Milestones in the Evolution of Cultural Marketing and Current Challenges, Management intercultural, Vol XXIV nr 48/2022
37)	Coman, T. B., Cazacu, M. M., & Radinschi, I. (2021). Developing virtual tools to complement experiments in the physics laboratory. INTED2021 Proceedings (pp. 10499–10504). IATED Academy. ISBN 978-84-09-27666-0
38)	Coman, T. B., Cazacu, M. M., & Radinschi, I. (2021). Teaching strategy based on interactive use of computer simulations during COVID-19 pandemic. INTED2021 Proceedings (pp. 10485–10490). IATED Academy, ISBN 978-84-09-27666-0
39)	Cordoneanu E., The Determination of the Elements Of the Base Change Matrix in the Kinematics of Rigid Body in a Particular Case, Eugen Corduneanu, B. I. P. Iasi, 69 (73), 4 , 43 – 54 (2023);
40)	Cosmin, R., Ermolai, V., Irimia, A., & Etcu, M. (2021, August). Using axiomatic design principles for the development of a device to measure the positioning error of an industrial robot. In IOP Conference Series: Materials Science and Engineering (Vol. 1174, No. 1, p. 012018). IOP Publishing, DOI: 10.1088/1757-899X/1174/1/012018;
41)	Cristian Ursu, Bogdan-George Rusu, Andrei Dascalu, Mihaela Olaru, Victor Oancea, Petru Nica, A COMBINED APPROACH FOR THE DEPOSITION HIGH QUALITY AND POROUS ZnO FILMS WITH APPLICATION IN PHOTOCATALYSIS, International Conference Progress in Organic and Macromolecular Compounds 29th Edition, Iasi, Romania, 4-6 October 2023, https://icmpp.ro/macroiasi2023/index.php Proceedings, pg. 83-85
42)	D.C. Fodor, D.F. Chitariu, C. Aghion, N.E. Seghedin, Proteza transtibială autoadaptabilă – un exemplu de delegare a autonomiei dispozitivului medical, Zilele Spitalului Clinic de Recuperare Iași, Provocări și oportunități în medicina actuală, Ediția 23, Volum de rezumate, p. 90, ISSN 3091-0242, Editura Etna, 24-29 martie 2025, Iași, https://recuperareiasi.ro/volum-rezumate/- lucrari communicate
43)	D.C. Fodor, N.E Seghedin, ADAPTRA Self-Adaptive Transtibial Prosthesis, TECHNOVERS – Expoziție de tehnologie și inovație, Săptămâna inovării TUIASI, 4 iunie 2025, Iași; - lucrari communicate, Inventics "INVENTICA 2024", 3-5 july 2024, Iași;
44)	D.C. Fodor, N.E Seghedin, Engineering Ethics and Bioethics, The 29th International Conference "INVENTICA 2025", 26 June 2025, Iași; - lucrari communicate
45)	D.C. Fodor, N.E. Seghedin, Brevetarea – un proces contratimp, Simpozionul Științifico-practic

	„Lecturi AGEPI 2025”, 16 aprilie 2025, Chișinău, Republica Moldova, https://www.agepi.gov.md/ro/program_lecturi_2025; - lucrari communicate
	46) D.C. Fodor, N.E. Seghedin, Technical progress in limb prostheses: a classification of existing devices, Bul. Inst. Polit. Iasi, Vol. 68 (72), Nr. 3, p. 31-40, 2022, doi: 10.2478/bipcm-2022-0023.
	47) Dimitrie Cristian Fodor, Otilia Zvorișteanu, Dragoș Florin Chitariu, Adriana Munteanu, Ștefan Daniel Achirei, Vasile Ion Manta, Neculai Eugen Seghedin, Compensation of Leg Length Discrepancy Using Computer Vision in a Self-Adaptive Transtibial Prosthesis, Technologies 13(8), 319; https://doi.org/10.3390/technologies13080319, 2025
	48) Dimitrie-Cristian FODOR, Cristian AGHION, Dragoș-Florin CHITARIU, Neculai-Eugen SEGHEDIN, Prosthetic Device for the Automatic Compensation of Leg Length Discrepancy, CSITF 2025, China;
	49) Dimitrie-Cristian FODOR, Cristian AGHION, Dragoș-Florin CHITARIU, Neculai-Eugen SEGHEDIN, Prosthetic Device for the Automatic Compensation of Leg Length Discrepancy, INTARG 2025, Katowice, Polonia;
	50) Dimitrie-Cristian FODOR, Cristian AGHION, Neculai-Eugen SEGHEDIN, PROSTHETIC MASTER-SLAVE SYSTEM FOR AUTOMATIC COMPENSATION OF LEG LENGTH DISCREPANCY, International fair of innovation and creative education for youth, ICE-USV, 2025;
	51) Dimitrie-Cristian FODOR, Dragoș-Florin CHITARIU, Neculai-Eugen SEGHEDIN, Modern Limb Prosthetics: Classifications, Innovations, Challenges, and the Future of Human Augmentation, In Bioinspired Technology and Biomechanics - Annual Volume 2024. IntechOpen, 2025 (ISBN 978-1-80355-247-7).
	52) Dimitrie-Cristian FODOR, Dragoș-Florin CHITARIU, Neculai-Eugen SEGHEDIN, Testing a New Concept of a Self-Adaptive Transtibial Prosthesis, Walter de Gruyter, Bul. Inst. Polit. Iaşi, Vol. 69 (73), Nr. 3, pp. 123-131, 2023, https://doi.org/10.2478/bipcm-2023-0029.
	53) Dimitrie-Cristian Fodor, Neculai-Eugen Seghedin, Cristian Aghion, DISPOZITIV PEDIATRIC PENTRU DETERMINAREA DIFERENȚEI DE LUNGIME A MEMBRELOR INFERIOARE PEDIATRIC DEVICE FOR DETERMINING LOWER LIMB LENGTH DISCREPANCY, INFOINVENT 19th International Specialized Exhibition, 3-5 December 2025, Chișinău, Republic of Moldova; 54) Dimitrie-Cristian Fodor, Neculai-Eugen Seghedin, Cristian Aghion, Dispozitiv pediatric pentru determinarea diferenței de lungime a membrelor inferioare, SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII, PRO INVENT 2025 - EDIȚIA XXII, CLUJ-NAPOCA;
	55) Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, Generalized Transtibial Prosthesis – Application of theMethod of HierarchicalDescription of TechnicalSystems in Prosthetics, In The XXVIII-th International Conference of Inventics “INVENTICA 2024”, pp. 50–56, 2024, Sciendo, https://doi.org/10.2478/9788367405799-006
	56) Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, Hybridization of Technical Creation Methods in Bionics and Biomimetics, Walter de Gruyter, Bul. Inst. Polit. Iaşi, Vol. 69 (73), Nr. 2, pp. 85-94, 2023, https://doi.org/10.2478/bipcm-2023-0017.
	57) Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, MONITORING ANKLE JOINT KINEMATICS USING WERABLE SENSORS, The Scientific Bulletin Addendum No. 8/2023 - “Nicolae Bălcescu” Land Forces Academy of Sibiu, România, p. 287-295, 04-06 May 2023, Sibiu, indexat EBSCO, ProQuest, ISSN: 2501-3157, ISSN-L: 2501-3157 (https://openurl.ebsco.com/EPDB%3Agcd%3A5%3A830549/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A164405751&crl=f);
	58) Dimitrie-Cristian Fodor, Neculai-Eugen Seghedin, Proteză Activă Autoadaptabilă Pentru Membrul Inferior, Salonul Internațional Al Cercetării Științifice, Inovării Și Inventicii, PRO INVENT 2025 - EDIȚIA XXII, CLUJ-NAPOCA;
	59) Dimitrie-Cristian Fodor, Neculai-Eugen Seghedin, PROTEZĂ ACTIVĂ AUTOADAPTABILĂ PENTRU MEMBRUL INFERIOR/ ACTIVE SELF-ADAPTIVE PROSTHESIS FOR THE LOWER LIMB, INFOINVENT 19th International Specialized Exhibition, 3-5 December 2025, Chișinău, Republic of Moldova;
	60) Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, Technical Progress in Limb Prostheses: A Classification of Existing Devices, Bul. Inst. Polit. Iaşi, Walter de Gruyter, Vol. 68 (72), Nr. 3, pp. 31-40, 2022, https://doi.org/10.2478/bipcm-2022-0023.
	61) Dimitrie-Cristian Fodor, Neculai-Eugen Seghedin, Vasile-Ion Manta, Otilia Zvorișteanu, Dragoș-Florin Chitariu, Ștefan-Daniel Achirei, SISTEM PROTETIC PENTRU DETECȚIA ȘI COMPENSAREA DIFERENȚEI DE LUNGIME A MEMBRELOR INFERIOARE UMANE PROSTHETIC SYSTEM FOR DETECTING AND COMPENSATING HUMAN LOWER LEG LENGTH DISCREPANCY, INFOINVENT 19th International Specialized Exhibition, 3-5 December 2025, Chișinău, Republic of Moldova
	62) Doroftei M. A., Fodor D. C., Seghedin N. E, Idea diagrams in the field of Ilizarov fixators, Bulletin of the Polytechnic Institute of Iași. Machine Constructions Section, Vol. 71 (75), Issue 3, 2025, DOI:10.2478/bipcm-2025-0031
	63) Dragoi (Oniu), L., Breabăn, I. G., & Cazacu, M. M. (2023). 2017 – 2020 trends of particulate

		matter PM10 concentrations in the cities of Suceava and Botoșani. Present Environment and Sustainable Development, 17(1), 335–349.
	64)	Dragoș Florin Chitariu, Adriana Munteanu, The Role Of Ai In Mechanical Engineering Design, THE XXVIII-Th INTERNATIONAL CONFERENCE Of INVENTICS "INVENTICA 2024" Proceedings, https://doi.org/10.2478/9788367405799-013, 2024.
	65)	Drăgoi, L., Cazacu, M. M., & Breabăn, I. G. (2025). Analysis of the PM2.5/PM10 Ratio in Three Urban Areas of Northeastern Romania. Atmosphere, 16(6), 720. https://doi.org/10.3390/ATMOS16060720/S1
	66)	Drăgoi, L., Cazacu, M.-M., & Breabăn, I.-G. (2025). Evaluation of Scenarios for the Application of the Future PM2.5 and PM10 Standards: A Case Study of Three Urban Areas in Romania and Implications for Public Policies. Environments 2025, Vol. 12, Page 373, 12(10), 373. https://doi.org/10.3390/ENVIRONMENTS12100373
	67)	E Păduraru, C G Dumitraş, D Chitariu, F Chifan, Research on Developing of a Reconfigurable Gripping Mechanism with Electric Drive, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 68 (72), Numărul 4, pag.47-52 , 2022, DOI:10.2478/bipcm-2022-0035.
	68)	E.V. NĂSTASE, Research on the treatment of wastewater and possibilities for optimizing the technological route, Buletinul Institutului Politehnic din Iaşi, Secţia Construcţii de Maşini, Volumul 70 (74), Numărul 4, 2024
	69)	E.V. NĂSTASE, Simulating water flow through a hydraulic channel using Ansys, Buletinul Instiuttului Politehnic din Iasi, Volumul 68,Numărul 4, 2022
	70)	E.V. NĂSTASE, Studies on the Design Models of Horizontal Axis Wind Turbines, Buletinul Institutului Politehnic din Iasi, Volumul 67 (71), Numărul 1, pp.9-18, 2021
	71)	Elena Basalic, Ioana Sorina Enţuc, CARMEN NEJNERU, RALUCA FLOREA, COSTEL DOREL FLOREA, ANA-MARIA SCRIPCARIU, PETRONELA PARASCHIV şi CIMPOEŞU NICANOR, O Scurtă analiză asupra cunoaşterii mortarelor cu inserţii micro şi nanometrice de diferite geometrii în domeniul ingineriei civile, Buletinul Institutului Politehnic din Iaşi Bulletin of the Polytechnic Institute of Iaşi Volumul 68 (72), Numărul 1-4, 2022
	72)	Emilian Păduraru, Adriana Munteanu, Florin Chifan, The pugh matrix application in case of robot grippers, SCIENDO THE XXVIII INTERNATIONAL CONFERENCE, ISSN 978-83-67405-79-9, pg.15-18, 2024 https://doi.org/ 10.2478/9788367405799-002
	73)	Emilian Păduraru, Adriana Munteanu, Florin Chifan, The Pugh Matrix Application in Case of Robot Grippers, THE XXVIII-th International Conference of Inventics "INVENTICA 2024" Proceedings, 978-83-67405-79-9, https://doi.org/10.2478/9788367405799-002, 2024.
	74)	Emilian Păduraru, Adriana Munteanu, Florin Chifan, The Pugh Matrix Application in Case of Robot Grippers, THE XXVIll-th INTERNATIONAL CONFERENCE of INVENTICS "INVENTICA 2024" Proceedings, 978-83-67405-79-9,
	75)	Ermolai, V., & Irimia, A. (2021). Influence of nozzle parameters in 3D printing under the manufacturing time. Bull. Polytech. Inst. Ias, i Mach. Constr. Sect, 67, 63-72, DOI: 10.2478/bipcm-2021-0017;
	76)	Ermolai, V., & Irimia, A. I. (2021, August). Development of Fused Filament Fabrication desktop 3D printer enclosure using axiomatic design principles. In IOP Conference Series: Materials Science and Engineering (Vol. 1174, No. 1, p. 012017). IOP Publishing, DOI 10.1088/1757-899X/1174/1/012017;
	77)	Ermolai, V., Sover, A., Boca, M. A., Mihalache, A. M., Irimia, A. I., Hrițuc, A., ... & Stavarache, R. C. (2024). Mechanical behavior of macroscopic interfaces for 3D printed multi-material samples made of dissimilar materials. Mechanics & Industry, 25, 24, DOI: 10.1051/meca/2024017;
	78)	Ermolai, V., Sover, A., Irimia, A., I., Improving Surface Finish of FFF Printed Parts: The Role of Scarf Seam Parameters, ICIE 2025, 18 – 20 Iunie 2025, Praga, Cehia, https://doi.org/10.1007/978-3-031-93554-1_4;
	79)	Ermolai, V., Sover, A., Irimia, A., I., Mititelu, N., R., A New Cube-based Topological Interlocking Element, CCE 2025, 7-9 Mai 2025 Iași, România, DOI 10.1088/1742-6596/3071/1/012024;
	80)	ERMOLAI, V., Sover, A., Nagîț, G., & Irimia, A. I. (2023). Shape recovery properties of PET-based 3D printed samples. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 65(4S), https://www.atna-mam.utcluj.ro/index.php/Acta/article/view/2037/1617;
	81)	ERMOLAI, V., SOVER, A., NAGÎȚ, G., BOCA, M. A., & IRIMIA, A. I. (2023). Influence of fused filament fabrication raster parameters over the top surface topography. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 66(5), https://atna-mam.utcluj.ro/index.php/Acta/article/view/2309;
	82)	EUGEN MERTICARU, VASILE MERTICARU, MODELS FOR THE INFLUENCE OF TRANSMISSION ERRORS AND HOBBING FORCES UPON A COMPLEX GEAR DRIVE, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Volumul 67 (71), Numărul 4, 2021, Secţia CONSTRUCŢII DE MAŞINI, ISSN 1011-2855, pg. 69-78, (CNCSIS “Clasa B+”).
	83)	Evaluating Joule Heating Effects And Electrical Current Flow Through Copper Layers Inside Pcb Using Finite Element Analysis, Buletinul Institutului Politehnic din Iaşi, Secţia

		CONSTRUCŢII DE MAŞINI Volumul 71 (75), Numărul 2, pag.45-59 , 2025, DOI: 10.2478/bipcm-2025-0014
	84)	F. -V. Hrib, A. -I. Iancu and C. -C. Dosoftei, Digital Twin and Virtual Reality: A Co- simulation Environment for an Educational Hydraulic Workstation, 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 42-47, DOI: 10.1109/DAS61944.2024.10541200, indexata BDI - IEEE Xplore
	85)	Filip N.A., Verzea I., Filip, D.C., Brezuleanu S., Managerial Perspectives on Employee Wellbeing in the North-East Region of Romania, Proceedings of the International Conference on Business Excellence, Volume 19, Issue 1, 2025, Page 4532-4545
	86)	Florin-Daniel Edutanu, Dragos-Florin Chitariu, Cătălin Gabriel Dumitras, Cristiana Grigoruta, A Systematic Review of the Principles Used in Industry 5.0, RECENT,vol.74, 181-189, 2024, https://doi.org/10.31926/RECENT.2024.74.181
	87)	FV Hrib, Florin CHIFAN, Florin Daniel EDUTANU, Emilian PADURARU, Mariana CIORAP, Catalin Gabriel DUMITRAS, Catalin FETECĂU, A New Approach On 3d Printing Using A Robot Arm, Materiale Plastice, martie, 2026, ISSN 0025-5289, https://doi.org/10.37358/Mat.Plast.1964 (in curs de publicare).
	88)	Gabriel Asandului, The romanian local administration from the little union to the first world war (1859-1918), Buletinul Institutului Politehnic din Iași, vol. 68(72), nr.1-4/2022, pp. 9-22, Secția Socio-umane.
	89)	Gabriel Asandului, Unificarea cadministrativă a României interbelice (1918-1925) , „Carpica”, LI/2022, CEEOL, pp. 364-386.
	90)	George-Gabriel Chiriac, Georgiana Prodan-Chiriac, Cătălin Gabriel Dumitraş, Dragoş-Florin Chitariu, Neculai-Eduard Bumbu, Lucian Oancea, PCB Copper Traces Stress Due to Thermal Expansion Caused by Joule Heating Effect, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 71 (75), Numărul 2, pag.37-44 , 2025, DOI: 10.2478/bipcm-2025-0013
	91)	G-G Chiriac, C G Dumitraş, I Mertic, A Study On The Influence Of Thermal Interface Material In Passively Cooled Electrical Components With Attached Heatsink, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 69 (73), Numărul 1, pag.96-104 , 2023, DOI:10.2478/bipcm-2023-0007
	92)	**Hammouya A., Chaib R., Verzea I., Hammouya D., Study of the human whole-body vibration transmission (case study), Acta Technica Napocensis, Series Applied Mathematics, Mechanics, and Engineering Vol. 64, Issue II, June, 2021, pp. 319-328, FI = 0.1**
	93)	Horodincă, M., Chifan, F., Păduraru, E., Dumitraş, C.-G., Munteanu, A., Chitariu, D.-F., A Study of 2D Roughness Periodical Profiles on a Flat Surface Generated by Milling with a Ball Nose End Mill, Materials 2024, 17, 1425. https://doi.org/10.3390/ma17061425 ;
	94)	Hrib V.F. , F. Chifan, M. Ciorap, C G Dumitraş, An Study Regarding A New Concept Of 3d Printing Using A 6 Axis Industrial Robotic Arm, Buletinul Institutului Politehnic din Iaşi, Universitatea Tehnică „Gheorghe Asachi” din Iaşi. Vol. 69 (73), No. 3, 2023 Secţia CONSTRUCŢII DE MAŞINI DOI:10.2478/bipcm-2023-0026
	95)	Hrib V.F., Fl. Chifan, C. G. Dumitraş, Comparative Study Between Conventional And Robotic Methods In 3D Printing, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 69 (73), Numărul 4, pag.47-52 , 2023, DOI:10.2478/bipcm-2023-37
	96)	Hriţuc, A., Dodun, O., Duşa, P., Mihalache, A., Nagîţ, G., Slătineanu, L. (2024). Identifying a Device for Tracking the Evolution of Thermal Transfer in 3D Printed Parts Using Principles from Axiomatic Design. In: Puik, E., Cochran, D.S., Foley, J.T., Foith- Förster, P. (eds) Proceedings of the 15th International Conference on Axiomatic Design 2023. ICAD 2023. Lecture Notes in Networks and Systems, vol 849. Springer, Cham, 10.1007/978-3-031-49920-3_4, Scopus
	97)	I Crăciun, C G Dumitraş, Research on the Maintenance of Common-Rail Injectors, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 68 (72), Numărul 3, pag.124-136 , 2022, DOI:10.2478/bipcm-2022-0028
	98)	I Crăciun, I Mehmet, C G Dumitraş, Study on the Implementation of Maintenance Policies in Industrial Engineering, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 68 (72), Numărul 2, pag.9-24, 2022, doi.org/10.2478/bipcm-2022-0011
	99)	I Mehmet, D F Chitariu, C G Dumitraş, Study Upon Cylindrical Roller Bearing Profile Optimisation Using FEA, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 68 (72), Numărul 2, pag.92-105, 2022, doi.org/10.2478/bipcm-2022-0018
	100)	I. Crăciun, Fl. Chifan, C G Dumitraş, A New Approach On Preventive Maintenance In Industry, Buletinul Institutului Politehnic din Iaşi, Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Vol 69 (73), No 2, 2023, Secţia CONSTRUCŢII DE MAŞINI, DOI:10.2478/bipcm-2023-0013
	101)	Ibănescu Mihaele și Ibănescu Radu, „New approach in solving derivative causality problems in the bond-graph method, IOP Conf. Series: Materials Science and Engineering, The 25th Edition of IManEE 2021 International Conference (IManEE 2021) doi:10.1088/1757-899X/1235/1/012053.
	102)	Igor Blanari; Stelian Cazan; Fayez Samara; Viorel Goanță,Impact of local plastic deformation on fatigue life and strength of 2024-T3 aluminum alloy notched specimens, International

	Journal of Modern Manufacturing Technologies,
103)	Iordache C.R., Bujoreanu, C., Alaci S., Ciornei F. C., Romanu I. C., Wear Reduction On The Roller–Shoe Mechanism At High Operation Loads, Coatings, 10, 959, 2024
104)	Iordache R. C., Petrea N. D., Bujoreanu C., Theoretical performance of exhaust valves in high-pressure pumps under maximum flow rates, Environmental Engineering and Management Journal, 2024
105)	Irimia, A. I., Ermolai, V., Nagîț, G., Study on the tightness of parts manufactured by FDM, CSD 2025, 14–16 Mai 2025 Iași, România, DOI: 10.2478/bipcm-2025-0023;
106)	Irimia, A. I., Ermolai, V., Stavarache, R., & Nagîț, G. (2024). Brief Overview Over Fused Filament Fabrication Infill Parameters. Buletinul Institutului Politehnic din Iași, DOI:10.2478/bipcm-2024-0020;
107)	Irimia, A. I., Grigoruță, C., Ermolai, V., Nagîț, G., Innovative representation of double orthographic projection using 3d printing technology, ICIE, 5-6 May 2025 Timisoara, Romania, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2778;
108)	Irimia, A. I., Grigoruță, C., Nagîț, G., An innovative method of representing the double orthogonal projection of a line, CSD 2025, 14–16 Mai 2025 Iași, România, DOI: 10.2478/bipcm-2025-0022;
109)	Ivancu Laurenţiu-Ioan, Popescu Daniela. "Design Solutions for Large Size Ball Valves." Bulletin of the Polytechnic Institute of Iaşi. Machine constructions Section 68, no. 2 (2022): 51-59 . (EBSCO. Google Scholar).
110)	Ivancu Laurenţiu-Ioan, Popescu Daniela. (2023). Study on the Impact of Natural Gas Pressure on the Components of a Ball Valve. 11th International Conference on Energy and Environment (CIEM), DOI: 10.1109/CIEM58573.2023.10349751 (SCOPUS, IEEE).
111)	Ivascu, L., Pislaru, M., & Sarfraz, M. (Eds.). (2025). Green Intelligence: Carbon Footprint Assessment in Digital Economy (1st ed.), Miraute L.C., Verzea I., Căsăneanu N.M., Chapter 11, Sustainable Production in the Pharmaceutical Industry, Waste Management and Environmental Protection, 16 pages
112)	Jitaru, O., Axinte, R., Vatavu, C. - The role of personal development in students adapting to the academic life, vol. Conferința Internațională Scientific Research and Education in the Air Force – AFASES, pp. 63-71, ISSN, ISSN-L: 2247-3173, DOI: 10.19062/2247-
113)	Jitaru, O., Bobu, R. - Students` resilience and personal development in covid 19 pandemic, coord. Soare, E., Langa, C, în vol. European Proceedings of Educational Sciences / EpES, pp 441-450, e- ISSN: 2672-815X, DOI: 10.15405/epes.23045.46, 2023.
114)	Jitaru, Oana and Bobu, Roxana. (2023). Students` Resilience And Personal Development In Covid 19 Pandemic Pages: 441 - 450 Author(s), 9th International Conference Edu World 2022 "Education Facing Contemporary World Issues" (EDU WORLD 2022), 03-04 June, 2022, Pitești, Romania, Web of Science Conference Proceedings Citation Index - Social Sciences & Humanities (CPCI-SSH). https://www.europeanproceedings.com/book-series/EpES.
115)	Kahoul H., Chaib R., Verzea I., Belhour S., Impact of industrial activities on the environment. Case study: Alemo company, Algeria, Acta Technica Napocensis, Series Applied Mathematics, Mechanics, and Engineering Vol. 64, Issue II, June, 2021, pp. 255-264
116)	L T Lozonschi and C E Panaite, Safety analysis of thermal equipment and piping systems in the CANDU nuclear power plant subjected to thermal shocks, The 10th International Conference on Advanced Concepts in Mechanical Engineering – ACME 2022, IOP Conference Series: Materials Science and Engineering, Iași, România, 9-10 iunie 2022
117)	Lazar, P., Bejinariu, C., Cazac, A.M., Sandu, A.V., Bernevig, M.A., Burduhos-Nergis, D.P. Phosphate coatings for the protection of steels reinforcement for concrete. (2021) Journal of Physics: Conference Series, 1960 (1), art. no. 012013. DOI: 10.1088/1742-6596/1960/1/012013. Document Type: Conference Paper. Publication Stage: Final. Access Type: Open Access. Source: Scopus
118)	Lazar, P., Cazac, A.M., Perju, M.C., Bujoreanu, L.G., Bejinariu, C. Phosphate coatings suitable for steel rebars used for reinforced concrete. Buletinul Institutului Politehnic din Iaşi publicat de Editura POLITEHNIUM din Iaşi, Volumul 69 (73), Numărul 1-4, Secţia Ştiinţa şi Ingineria Materialelor, 2023, pp 185-193, ISSN 1453-1690.
119)	Liviu Prună, Andrei Slonovschi, The Automatic Representation Of The Oval When One Of Its Radii, JIDEG, Vol 20 No.1, Issue 1, pg. 77-82, Online ISSN 2344-4681, Print ISSN 1843-3766, 2025.
120)	Lohan, N.M., Carcea, I., Pricop, B., Sârghi, M., Cimpoeșu, N., Popa, M., Bejinariu, C., Ciorobatca, A.E., Burduhos-Nergiș, D.P. THE EFFECT OF CASTING PARAMETERS ON THE MICROSTRUCTURE AND CORROSION BEHAVIOR OF SAE 430B ALLOYS FOR TRANSPORTATION INDUSTRY. (2023) International Journal of Modern Manufacturing Technologies, 15 (2), pp. 111-116. DOI: 10.54684/ijmmt.2023.15.2.111. Document Type: Article. Publication Stage: Final. Source: Scopus.
121)	Luțcanu, M., Coteață, M., Bernevig, M. A., Nechifor, C. D., Cazacu, M. M., Paraschiv, P., Istrate, B., Bădărău, G., Sandu, I. G., & Cimpoeșu, N. (2022). Obtaining and Analyzing the Al2O3-ZrO2 Ceramic Layers on Metallic Substrate. Archives of Metallurgy and Materials, 67(2), 479–485.
122)	Luţcanu, M., Munteanu, C., Kicsi, G., Roman, A. M., Croitoru, C. G., Prisecariu, B. A., Cazacu

		M. M., Ştirbu, I., Chicet, D. L., & Cimpoeşu, N. (2023). Analysis of water jet cutting of metal-ceramic elements made through atmospheric plasma spraying technique. Materials Today: Proceedings, 72, 550–553. https://doi.org/10.1016/j.matpr.2022.10.037
	123)	M Ciorap, D Gures, C G Dumitraş, A Computer Aided Design Software Comparative Study with Applications in Industry 4.0–Smart Manufacturing, Buletinul Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 68 (72), Numărul 1, pag.47-68, 2022, doi.org/10.2478/bipcm-2022-0004
	124)	M. Lutcanu, M. Coteata, M.A.Bernevig, C.D. Nechifor, M.M. Cazacu, P.Paraschiv, B.Istrate, B. Badarau, I.G. Sandu, N. Cimpoesu, Obtaining and Analyzing the Al2O3-ZrO2 Ceramic Layers on Metallic Substrate, Arch. Metall. Mater. 67 (2022), 2, 479-485/DOI:https://doi.org/10.24425/amm.2022.137780
	125)	M. S. Pavăl, A. Popescu, D. Zahariea, CFD analysis of a round shaped air cushion vehicle with flexible skirt segments at 90°. Part I: Different positions of bag to cushion feed orifice, Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Volumul 68 (72), Numărul 3, 2022.
	126)	M.I. Munteanu, A.I. Nistor, Magnetic curves on quasi-Sasakian manifolds of product type, in New Horizons in Differential Geometry and its Related Fields, ISBN: 978-981-124-809-2 (hardcover), World Scientific, https://doi.org/10.1142/12580 | June 2022, Pages: 260 Edited By: Toshiaki Adachi (Nagoya Institute of Technology, Japan) and Hideya Hashimoto (Meijo University, Japan)
	127)	Maamri N., Chaib R., Benidir M., Verzea I., Capitalization of the operating experience of a company for sustainable improvement. The Case of the ETRAG Foundry, Constantine, Algeria, Engineering, Technology & Applied Science Research Vol. 11, No. 1, 2021, pp. 6752-6759, FI = 1,5
	128)	Maamri N., Chaib R., Benidir M., Verzea I., Risk assessment using Fuzzy Ahp and Fuzzy Top-Sis Hybrid approach for safe and sustainable work, case study,Acta Technica Napocensis, Vol. 64, Issue I, Mars, 2021, pp 129-140
	129)	Mardare Irina, Tiţa Irina, Zaharia Alexandru Constantin, aspects regarding the dynamic behavior of a hydraulic cylinder, Buletinul Institutului Politehnic din Iaşi, Vol 67 (71), Nr. 1, Secţiunenstructii de maşini, pp 41-50, 2021.
	130)	Martiniuc C.; Mavroudis I; Cibica A.; Luca F.A. (2022). Mini-review on some neuropsychiatric perspectives of modern neuromarketing studies DOIarticol10.36219/BPI.2022.2.01, Buletin de psihiatrie, Issue 2.
	131)	Mihalache A, AHrituc, L Slatineanu, G Nagîț, O Dodun, V. Ermolai, and E. Panaite, The Behavior of a 3D Printed Panel under Thermal Stress, Macromolecular Symposia, 404(2), 2022
	132)	Mititelu, R., Nicolau, M., Irimia, A., Grădinaru, C., Methodological framework for evaluating the generative capabilities of AI assisted CAD parametric modeling for AM. Innovative Manufacturing Engineering and Energy - IMANEE2025, 61 (2026) 77-83. https://doi.org/10.21741/9781644903995-10 .
	133)	Moldoveanu, A., Popescu, D., 2022, Restoring River Connectivity in Line with European Legislation, Bulletin of the Polytechnic Institute of Iaşi, Volume 68 (2022) - Issue 3, 113 – 124 pp, DOI: https://doi.org/10.2478/bipcm-2022-0027 (Google Scholar)
	134)	Morăras, C.M., Husaru, D.E., Goanță, V., Bârsănescu, P.D., Lupu, C.F., Munteanu, C., Cimpoeşu,N., Cosău, E.R. (2024). A New Method for Compression Testing of Reinforced Polymers, Polymers, vol.16(21) 3071, https://doi.org/10.3390/polym16213071 (FI=4,7/2023).
	135)	Morăraş, C.I. and Husaru, D.E. (2022). Structural changes of GFRP composite material after immersion in liquid nitrogen and normal water, IOP Conference Series: Materials Science and Engineering, vol. 1262, https://iopscience.iop.org/article/10.1088/1757-899X/1262/1/012055/meta
	136)	Mourad, A., Ramdane, B., Rachid, C., & Verzea, I. (2025). The measurement of professional burnout among algerian university teachers: the case of the University of Constantine1, Algeria. Studies in Health Sciences, Vol. 6(no.1), e13158-e13158.
	137)	Muiris Ó Laoire, Ioana Baciu, Helen Braund, Kristin Brogan, Evagrina Dîrțu, Marian Hurley And Sheila Walsh, “Internationalisation and Interculturalism in Three European Contexts: A Brief Review of Literature”, The Bulletin of the Polytechnic Institute of Iași, Socio-Humanistic Sciences Section, a journal published by “Gheorghe Asachi” Technical University of Iași, no 1-2, vol. 71 (75) / 2025, pp. 9-22
	138)	Munteanu Adriana, Biomimetics In Technical Field – Case Study, THE XXVIII-th INTERNATIONAL CONFERENCE of INVENTICS "INVENTICA 2024" Proceedings, https://doi.org/10.2478/9788367405201-016 , 2024.
	139)	Munteanu Adriana, Păduraru Emilian, Cioată Florentin, Ciobanu Maria, Morphological Matrices Application in Case of location-Positioning Devices with Tiltable Plate, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe Asachi" din laşi Volumul 69 (73), Numărul 1, 2023 Secţia CONSTRUCŢII DE MAŞINI, DOI:10.2478/bipcm-2023-0009;
	140)	Nica D.A., Verzea I., Artificial Intelligence Supporting in Eco-Maintenance for Sustainable

	Industry, 2025 International Conference on Electromechanical and Energy Systems (SIELMEN) | 979-8-3315-8511-2/25 /$31.00 ©2025 IEEE | DOI: 10.1109/SIELMEN67352.2025.11260781
141)	Nica D.A., Verzea I., Vilcu A., Identifying Thematic Intersections between Ecology, Maintenance, and Sustainability: A Neural Network-Based Approach, Proceedings of the International Conference on Business Excellence, Volume 19, Issue 1, Page 3583-3593
142)	Nica, D.-C., Cazacu, M.-M., Constantin, D.-E., Nedeff, V., Nedeff, F., Vasincu, D., Roşu, I.-A., & Agop, M. (2022). Boundary Layer via Multifractal Mass Conductivity through Remote Sensing Data in Atmospheric Dynamics. Fractal and Fractional 2022, Vol. 6, Page 250, 6(5), 250. https://doi.org/10.3390/FRACTALFRACT6050250
143)	Nicolau M., Hrituc A., Mihalache M.A., Nagît G., Dusa P., Craciun E., Munteanu A., Dodun O., Slatineanu L., Perforation resistance of some materials in 3D printed parts, 27th International Conference of the European-Scientific-Association-on-Material-Forming (ESAFORM), MATERIAL FORMING, ESAFORM 2024 41, pp.2514-2523, 2024.
144)	Nistor A.I. , A note on Weingarten surfaces foliated by helices, Proccedings of "Recent Advances in Differential Geometry and Related Areas", Contemporary Mathematics, 2025
145)	O. Zvorişteanu, D.C. Fodor, V.I. Manta, N.E. Seghedin, Ş.D. Achirei, D.F. Chitariu, A Computer Vision-Based Solution for Assessing Prosthetic Leg Length Discrepancy, In 2024 E-Health and Bioengineering Conference (EHB), pp. 1–4, 2024, E-Health and Bioengineering Conference (EHB), IEEE, https://doi.org/10.1109/ehb64556.2024.10805708.
146)	Osoeanu, C., Chicet, D.L., Cimpoesu, N., Badarau, G., Bejinariu, C. Investigation on brake pad wear emissions. Buletinul Institutului Politehnic din Iaşi publicat de Editura POLITEHNIUM din Iaşi, Volumul 69 (73), Numărul 1-4, Secţia Ştiinţa şi Ingineria Materialelor, 2023, pp 173-183, ISSN 1453-1690.
147)	P. Nica, C. Ursu, G. Rusu, C. Focsa, Current oscillations recorded by an electrostatic energy analyzer from a Carbon laser-produced plasma, "19th INTERNATIONAL CONFERENCEON PLASMA PHYSICS AND APPLICATIONS, CPPA 2021, August 31-September 3, 2021 Magurele-Bucharest, Romania", https://cppa2021.inflpr.ro/
148)	Panaghie, C., Cimpoesu, N., Benchea, M., Roman, A., Manole, V., Alexandru, A., Cimpoesu, R., Cazacu, M. M., Wnuk, I., & Zegan, G. (2022). "In-vitro" Tests on New Biodegradable Metallic Material Based on ZnMgY. Archives of Metallurgy and Materials, 67(2), 587–594.
149)	Panaite CE, A M Mihalache, L Slatineanu, A Popescu, G Nagîţ, A Hriţuc, and O Dodun, Numerical and Experimental Investigations of Thermal Conductivity of 3D Printed Polylactic Acid, Macromolecular Symposia, 404(2), 2022
150)	Panaite CE, A M Mihalache, O Dodun, L Slătineanu, A Popescu, A Hriţuc, and G Nagît, Theoretical, Numerical and Experimental Assessment of Temperature Response in Polylactic Acid and Acrylonitrile Butadiene Styrene Used in Additive Manufacturing, Polymers, 14(9), 2022
151)	Panaite CE, O. Dodun, E. Rakosi, L. Slatineanu, Identifying and developing an innovative research design theme when working in a student team, ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 67, n. 1s, 2024
152)	Paraschiv Petronela, Paraschiv Ciprian Constantin, The Role Of Psychological Training In The Complex Development Of Female Football Players, Buletinul Institutului Politehnic, 2024, Univ. Tehnică Gheorghe Asachi din Iași, vol.70(74), nr.1-2, 2024, Sectia Stiinte Socio-Umane
153)	Patrascu Ciuculescu EL, Luca FA. A balancing act: urban regeneration through art & culture, (2023). Cross Cultural Management Journal, vol.XXV, Issues 2, 141-145
154)	Păduraru, E., Chitariu, D. F., Dumitraș, C. G., Horodincă, M., Munteanu, A., Chifan, F., Hrib, F. V., (2022), Modular gripper, Inventica 2022, ISSN: 1844-7880;
155)	Păduraru, E., Dumitraș, C.G., Chitariu, D.F., Chifan, F. (2022), RESEARCH ON DEVELOPING OF A RECONFIGURABLE GRIPPING MECHANISM WITH ELECTRIC DRIVE, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Volumul 68 (72), Numărul 4, 2022, Secţia CONSTRUCŢII DE MAŞINI, DOI:10.2478/bipcm-2022-0035
156)	Păduraru, E., Dumitraș, C.G., Chitariu, D.F., Chifan, F. (2022), Study On Optimizing Materials For 3d Gripper Printing, International Journal Of Modern Manufacturing Technologies, Issn 2067–3604, Vol. Xiv, No. 2 / 2022 Https://Doi.Org/ 10.54684/Ijmmt.2022.14.2.174.
157)	Păduraru, E., Munteanu, A. (2021), Adaptive gripper for industrial robots, The XXVth International Scientific Conference "Inventica 2021", Iasi, June 23-25, 2021, ISSN: 1844-7880;
158)	Păduraru, E., Munteanu, A., Chifan, F. (2023), Morphological matrices application in case of robot grippers Matrix, Inventica 2023;
159)	Petrea N. D., Iordache R. C., Bujoreanu C., Analysis of Ball Check Valves with Conical and Spherical Seat Designs from Common-Rail Pumps, Machines, 10(10), 959, 2022
160)	Petronela Paraschiv, Accident Prevention In Physical Education Lesson At The Faculty Of Machine Building And Industrial Management, , Buletinul Institutului Politehnic Din Iaşi, Univ. Tehnică Gheorghe Asachi din Iaşi,Vol.70(74), nr.3, 2024., Sectia Constructii de Maşini, Doi

	10.2478/Bicpm-2024- 0010
161)	Petronela Paraschiv, Ciprian Paraschiv, The importance of muscle tone in the harmonious evolution of physical development, Publicat deUniversitatea Tehnică „Gheorghe Asachi” din Iaşi,volumul 69 (73), numărul 3-4, 2023,Secţia ŞTIINŢE SOCIO-UMANE
162)	Petronela Paraschiv, Ciprian Paraschiv, The most common wrong body postures among students and some methods to combat them –kyphosis, scoliosis and lordosis, Publicat deUniversitatea Tehnică „Gheorghe Asachi” din Iaşi,volumul 67 (71), numărul 3-4, 2021,Secţia ŞTIINŢE SOCIO-UMANE
163)	Petronela Paraschiv, First aid during the physical education lesson, Publicat deUniversitatea Tehnică „Gheorghe Asachi” din Iaşi,volumul 69 (73), numărul 3-4, 2023,Secţia ŞTIINŢE SOCIO-UMANE
164)	Petronela Paraschiv, Improving the body’s immunity with the help ofnatural calming factors, diet and exercise, buletinul institutului politehnic din iaşi, Publicat deUniversitatea Tehnică „Gheorghe Asachi” din Iaşi,volumul 67 (71), numărul 3-4, 2021,Secţia ŞTIINŢE SOCIO-UMANE
165)	Petronela Paraschiv, The Importance Of Exercise In The Prevention Of Occupational Diseases, Buletinul Institutului Politehnic, 2024, Univ. Tehnică Gheorghe Asachi din Iași, vol.70(74), nr.1-4, 2024, Sectia Stiinta si Ingineria Materialelor, Issn 1453-169030/
166)	Petronela Paraschiv, The Influences Of Physical Exercises On The Nervous System, , Buletinul Institutului Politehnic, Univ. Tehnică Gheorghe Asachi din Iași,Vol.70(74), nr.3, 2024., Sectia Constructii de Mașini, Doi 10.2478/Bicpm-2024- 0012
167)	Petronela Paraschiv, The Role Of Aerobic Exercise On The Health Of The Human Body, Buletinul Institutului Politehnic, Univ. Tehnică Gheorghe Asachi din Iași, vol.70(74), nr.1-4, 2024, Sectia Stiinta si Ingineria Materialelor
168)	Popescu Daniela, Moldoveanu Alexandru. ”Techno - Economic - Environmental Assessment of Hydro based Microgrid Architectures for Prosumers”, 2025 14th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania 10.1109/ATEE66006.2025.11299977 (SCOPUS).
169)	POPESCU Theodor, On the Compatibility of Schwartz Distributions with Fluid Mechanics Equations. Part 1 - Unteady flow case. In the process of being published in Iași Polytehnic Institute Bulletin - Mathematics. Theoretical Mechanics. Physics, 2026.
170)	POPESCU Theodor, On the Compatibility of Schwartz Distributions with Fluid MechanicsEquations. Part 1 - Steady flow case. In the process of being published in Iași Polytehnic Institute Bulletin - Mathematics. Theoretical Mechanics. Physics, 2026.
171)	Popescu, Daniela. "Techno-Economic Analysis of a RES Microgrid: an Application of HOMER Software." In 2021 10th International Conference on ENERGY and ENVIRONMENT (CIEM), pp. 1-4. IEEE, 2021 (SCOPUS, IEEE).
172)	Prigoreanu A., Verzea I., Brezuleanu S., Transfer of qualified knowledge and focu on innovation within the North-East Region LAG, Applied Mathematics, Mechanics, and EngineeringVol. 68, Issue SI, 2025
173)	Radinschi, I., Grammenos, T., Chakraborty, G., Chattopadhyay, S., & Cazacu, M. M. (2021). Einstein and Møller Energy-Momentum Distributions for the Static Regular Simpson–Visser Space-Time. Symmetry, 13(9), Article 1622. https://doi.org/10.3390/sym13091622
174)	Radinschi, I., Grammenos, T., Sahoo, P. K., Chattopadhyay, S., & Cazacu, M. M. (2021). Einstein and Møller energies of a particular asymptotically Reissner–Nordström non-singular black hole solution. Astronomische Nachrichten. https://doi.org/10.1002/asna.202113917
175)	Radinschi, I., Grammenos, T., Spanou, A., Chattopadhyay, S., & Cazacu, M. M. (2022). Landau-Lifshitz and Weinberg Energy Distributions for the Static Regular Simpson-Visser Space-Time Geometry. Symmetry 2022, Vol. 14, Page 900, 14(5), 900. https://doi.org/10.3390/SYM14050900
176)	Radulescu B, AM Mihalache, A Hrituc, MC Radulescu, L Slatineanu, A Munteanu, O Dodun, G Nagit, Thermal Expansion of Plastics Used for 3D Printing Polymers 2022, 14(15), 3061; https://doi.org/10.3390/polym14153061- Q1-impact factor 4.9
177)	Radulescu B, AM Mihalache, E Padurariu, A Hrituc, MC Radulescu, L Slatineanu, V Ermolai Tensile Behavior of Chain Links Made of Polymeric Materials Manufactured by 3D Printing Polymers 2023, 15(15), 3178; https://doi.org/10.3390/polym15153178 Q1-impact factor 4.9
178)	RADULESCU B, L Slatineanu, MC Radulescu, A Hrituc Surface roughness when turning one sheeted revolution hyperboloid surface Proceedings in Manufacturing Systems, Volumul 17, Nr 1 pp 17-22 2022
179)	RADULESCU B, MC Radulescu human experience in hsm versus ai in hsm 2023 buletinul institutului politehnic iasi. Sectiunea Constructii de Masini Volum 69 Issue 3 (Ianuarie 2024) DOI 10.2478/bipcm-2023-0027.Revistă indexată BDI (Index Copernicus)
180)	RADULESCU B., MC Radulescu. The variation of temperature with the heights of 3d printed abs parts 2023 buletinul institutului politehnic iasi. Sectiunea Constructii de Masini, Volum 69 (2023) Issue 1 (Martie 2023). Revistă indexată BDI (Index Copernicus)
181)	RADULESCU Bruno, A Pana, MC Radulescu, A Hrituc, A Munteanu, A Mihalache, O Dodun, G Nagit, L Slatineanu Evaluation on a lathe of circularity deviation and factors that could affect its measurement accuracy, Proceedings in Manufacturing Systems, Volumul 18, Nr 1 pp 13-

	18, 2023 Revistă indexată BDI (Index Copernicus)
182)	RADULESCU, MC Radulescu eEmploying high speed machining on a complex part 2023 buletinul institutului politehnic iasi. Sectiunea Constructii de Masini, Volum 69 (2023) Issue 2 (Iunie 2023) Revistă indexată BDI (Index Copernicus)
183)	Razika A., Bouzerara R., Chaib R., Verzea I., Contribution to the assessment of the psychological risks in academia using KARASEK and SIEGRIST models - case study: Constantine I University, Algeria, Serbian Journal of Management 18 (2), 2023, pp. 237 - 251 FI = 0,8
184)	Rădulescu, A. Mihalache, M. Rădulescu, L Slătineanu, A Hrițuc, O Dodun, G Nagîț, M Coteață SELECTION OF A METHOD FOR MACHINING AN ARCHIMEDEAN SPIRAL GROOVE ACTA TECHNICA NAPOCENSIS 2022, Series: Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special I, pp 231-238 February, Q4 Impact factor 0.2
185)	Robu, V., Caranfil, N. G., Tufeanu, M., Sandovici, A., (2023), Predicting engagement with school: A study on Romanian adolescents. Journal of Innovation in Psychology, Education and Didactics, vol. 27, nr. 2/2023, pp. 211-230, ISSN: 2247-4579, e-ISSN: 2392-7127 (revistă indexată în CEEOL, DOAJ, E-International Journals of Academic & Scientific Research, Open Academic Journals Index, ResearchBib, SCIPIO). A se accesa https://jiped.ub.ro/archives/3688 . doi: 10.29081/JIPED.2023.27.2.06
186)	Robu, V., Tufeanu, M., (2021), Reprezentarea socială a muncii educatorilor: perspectiva studenților care urmează programul de studii pedagogia învățământului primar și preșcolar. În revista ”Psihologie-revistă științifico-practică”, vol. 38, nr. 1-2, pp. 40-53, ISSN E 1857-2502, ISSN P 2537-6276, DOI: 10.5281/zenodo.4998799, http://psihologie.key.md
187)	Robu, V., Tufeanu, M., Stoica, C.-M., (2024), Social Representation Of Problematic Students Based On The Perspective Of Preschool And Primary School Teachers. Journal Of Innovation In Psychology, Education And Didactics, Vol. 28, Nr. 2/2024, Pp. 227-238. Issn (Print) 2247-4579, E-Issn 2392-7127 (Revistă Indexată În Ebsco, Ceeol, Proquest, Doaj, Scipio, International Innovative Impact Factor, Citefactor, Europub Database, Open Academic Journals Index, Researchbib, Universal Impact Factor). A Se Accesa Https://Jiped.Ub.Ro/Archives/3915 . Doi: 10.29081/Jiped.2024.28.2.08
188)	Roman Mihai-Vasile, Popescu Daniela. "Effect of Anti-Corrosion Treatment Applied to Diesel Injector Nozzles." Bulletin of the Polytechnic Institute of Iași. Machine constructions Section 67, no. 4 (2021): 9-15. (EBSCO. Google Scholar).
189)	Roman, A. M., Chelariu, R., Cimpoesu, R., Stirbu, I., Ionita, I., Cazacu, M. M., Prisecariu, B. A., Cimpoesu, N., Pietrusiewicz, P., & Sodor, A. (2022). Analysis of the corrosion rate of FeMn-Si biodegradable material. Archives of Metallurgy and Materials, 67(4), 1243–1250. https://doi.org/10.24425/amm.2022.141048
190)	Roman, A. M., Cimpoeșu, R., Pricop, B., Lohan, N. M., Cazacu, M. M., Bujoreanu, L. G., Panaghie, C., Zegan, G., Cimpoeșu, N., & Murariu, A. M. (2023). Influence of Dynamic Strain Sweep on the Degradation Behavior of FeMnSi–Ag Shape Memory Alloys. Journal of Functional Biomaterials, 14(7), 377. https://doi.org/10.3390/jfb14070377
191)	Rosu, A.I., Voiculescu, M., Constantin, D., Rosu, A., Timofte, A., Cazacu, M.M., (2022). Quantifying atmospheric dynamics predictions through atmospheric laminar channels, Report series in aerosol science, Nr. 250, Abstract Book - 1st ACTRIS Science Conference 2022, ISBN 978-952-7276-80-8
192)	Roşu, I. A., Cazacu, M. M., & Agop, M. (2021). Multifractal model of atmospheric turbulence applied to elastic lidar data. Atmosphere, 12(2), 1–25. https://doi.org/10.3390/atmos12020226
193)	Roșu, I. A., Nica, D. C., Cazacu, M. M., & Agop, M. (2022). Cellular Self-Structuring and Turbulent Behaviors in Atmospheric Laminar Channels. Frontiers in Earth Science, 9, 1344. https://doi.org/10.3389/FEART.2021.801020/BIBTEX
194)	Roșu, I., Nica, D., Cazacu, M. M., & Agop, M. (2021). Towards Possible Laminar Channels through Turbulent Atmospheres in a Multifractal Paradigm. Atmosphere, 12(8), Article 1038. https://doi.org/10.3390/atmos12081038
195)	Solovastru. D., Verzea I., The Correlation between Staff Sufficiency and Risk Management Effectiveness in Territorial Administrative Units, Proceedings of the International Conference on Business Excellence, Volume 19, Issue 1, 2025 Page 2080-2093
196)	STANCIU, MIHAELA COJAN and BOGDAN ISTRATE, Factors That Influence an Inclusive Environment in Higher Education), nr. 3-4/2024, vol. 70 (74) din Buletinul Institutului Politehnic din Iași, secția Științe Socio-umane, la adresa https://dppd.tuiasi.ro/wp-content/uploads/2025/02/Vol.-SSU-3-4-din- 2024.pdf. indexat în CEEOL https://www.ceeol.com/search/journal-detail?id=1505.
197)	Stelian Cazan, Spiridon Crețu, Viorel Goanță, Igor Blanari, Liviu Andrușcă, Măriuca Oprișan, The environmental impact of high-performance spur and helical gears in industry, Environmental Engineering and Management Journal, 2025.
198)	Study On The Optimization Of Machining Processes With Combined Tools, Buletinul

	Institutului Politehnic din Iaşi, Secţia CONSTRUCŢII DE MAŞINI Volumul 71 (75), Numărul 3, pag.59-20 , 2025, DOI: 10.2478/bipcm-2025-0025
199)	Tanasa, I., Cazacu, M., & Sluser, B. (2023). Air Quality Integrated Assessment: Environmental Impacts, Risks and Human Health Hazards. Applied Sciences, 13(2). https://doi.org/10.3390/app13021222
200)	Tanasa, I., Cazacu, M., Botan, D., Atkinson, J. D., Sebestyen, V., & Sluser, B. (2025). From Aerosol Optical Depth to Risk Assessment: A Novel Framework for Environmental Impact Statistics of Air Quality Using AERONET. Environments 2025, Vol. 12, Page 285, 12(8), 285. https://doi.org/10.3390/ENVIRONMENTS12080285
201)	Tanasievici, G.D., Cazac, A.M., Cimpoesu, N., Bejinariu, C. Characteristics of Stainless Steel Used for Personal Protective Equipment in the Food Industry. Buletinul Institutului Politehnic din Iaşi publicat de Editura POLITEHNIUM din Iaşi, Volumul 69 (73), Numărul 1-4, Secţia Ştiinţa şi Ingineria Materialelor, 2023, pp 165-172, ISSN 1453-1690.
202)	The Positive Effects Of Practicing Fitness On The Body Composition Of Secondary School Students Vol. Xxiv, Issue, Gidu Diana Victoria1, Ibrahim Aliaa Abdelmoneim 2, Ahmed Nana Eldawy3, Oltean Antoanela1, Constantinescu Oana Verona4, Paraschiv Petronela 5, Calotă Nicoleta Daniela 1, Science, Movement And Health, 2024, Issn 2285-777xi, indexata in urmatoarele baze de date :ERIH PLUS, Ebsco, SPORTDiscus, INDEX COPERNICUS JOURNAL MASTER LIST,DOAJ DIRECTORY OF OPEN ACCES JOURNALS, Caby, Gale Cengage Learning, Cabell's Directories
203)	Tudor Stanciu, Cristina Maria Bostan, Mihaela Cojan, „Identifying First Year University Students' Difficulties and their Academic Training Needs", Buletinul Institutului Politehnic din Iași secția Științe Socio-Umane, 2021 - Vol.-SSU-1-2- din-2021.pdf
204)	Tudor Stanciu, Mihaela Cojan And Bogdan Istrate, Factors That Influence an Inclusive Environment in Higher Education, numărului 3-4/2024, vol. 70 (74) din Buletinul Institutului Politehnic din Iași, secția Științe Socio- umane - https://dppd.tuiasi.ro/wp-content/uploads/2025/02/Vol.-SSU-3-4-din-2024.pdf, https://www.ceeol.com/search/journal-detail?id=1505.
205)	Tufeanu, M., Caranfil, N. G., & Robu, V. (2025). Smartphone addiction in preadolescents and adolescents: Predictors and consequences. Journal of Innovation in Psychology, Education and Didactics, 29(2), 223-240. doi:10.29081/JIPED.2025.29.2.06, (revistă indexată în EBSCO, CEEOL, ProQuest, ERIH PLUS, DOAJ, Scipio, International Innovative Journal Impact Factor, CiteFactor, EuroPub database, Open Academic Journals Index, ResearchBib, Universal Impact Factor). A se accesa: https://jiped.ub.ro/archives/4061
206)	Tufeanu, M., Robu, V., (2023), Reprezentarea socială a subrealizării școlare în rândul elevilor de ciclu primar: perspectiva cadrelor didactice, EcoSoEn. Ştiinţe Economice, Sociale şi Inginereşti, vol 6, nr. 3-4/2023, pp. 72-82, revistă editată de Universitatea Liberă Internaţională din Moldova, ISSN 2587-344X, e-ISSN 2587-425X (revistă indexată în CEEOL, DOAJ, IBN, Index Copernicus International, Munich Personal RePEc Archive/MPRA, Academia.edu). A se accesa https://ibn.idsi.md/ro/vizualizare_articol/194545 , doi https://doi.org/10.54481/ecosoen.2023.3.07
207)	Tufeanu, M., Robu, V., Petrescu, Z.-M., (2022), Abilitățile sociale în rândul cadrelor didactice care lucrează în învățământul primar: studiu exploratoriu. EcoSoEn. Ştiinţe Economice, Sociale şi Inginereşti, vol. 5, nr. 1-2/2022, pp. 143-154, revistă editată de Universitatea Liberă Internaţională din Moldova, ISSN 2587-344X, e-ISSN 2587-425X (revistă indexată în CEEOL, DOAJ, IBN, Index Copernicus International, Munich Personal RePEc Archive/MPRA, Academia.edu). A se accesa http://ecosoen.ulim.md/index.php?id=100. doi: https://doi.org/10.54481/ecosoen.2022.1-2.16
208)	Țica, Narcis-Ioan, Popescu Daniela, Analysis of Pressure Losses in Conventional Hydraulic Manifolds Blocks. A Review, Bulletin of the Polytechnic Institute of Iași. Machine constructions Section, Volume 70 (2024): Issue 2, June 2024. (EBSCO, Google Scholar)
209)	Țica, Narcis-Ioan, Popescu Daniela, Modern Technologies Applied for the Manufacturing of Hydraulic Manifolds Blocks, Bulletin of the Polytechnic Institute of Iași. Machine constructions Section, Volume 70 (2024): Issue 3, September 2024. (EBSCO. Google Scholar).
210)	Țica, Narcis-Ioan, Popescu Daniela. "Investigation on the Performance of a Secondary Brake." Bulletin of the Polytechnic Institute of Iași. Machine constructions Section 69.4 (2023): 9-20 . (EBSCO. Google Scholar).
211)	U. George-Andrei, P. Olga and U. Maria, "PLCs' Inputs and Outputs Response Time Testing Application," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 057-060, doi: 10.1109/SIELMEN53755.2021.9600400.
212)	U. George-Andrei, P. Olga and U. Maria, "Testing Stand Using Hardware Description Languages," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 061-064, doi: 10.1109/SIELMEN53755.2021.9600334.
213)	U. George-Andrei, P. Olga, O. Alin-Alexandru, I. Ursu and U. Maria, "Dielectric Properties of Malleable Composite Materials in Electromagnetic Field," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-4, doi: 10.1109/SIELMEN53755.2021.9600422.
214)	U. George-Andrei, P. Olga, R. Mihaela Ursuleasa, U. Maria and T. Costel, "Obtaining of the

		Paints with Electromagnetic Shielding Properties," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 367-370, doi: 10.1109/SIELMEN53755.2021.9600281.
	215)	U. Maria, U. George-Andrei and P. Olga, "Practical Application for Monitoring the Behavior of a Series RLC Circuit," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 065-068, doi: 10.1109/SIELMEN53755.2021.9600325.
	216)	Velescu M.L., Verzea I., Vilcu A., A descriptive approach to perceptions regarding the conceptual model of maintenance contracts management, International Symposium "Technical Textiles - Present and Future", Iasi, Nov. 2025
	217)	Velescu M.L., Verzea I., Vilcu A., Chaib R., The Multidisciplinary Solution to the Maintenance Contracts Management Problem, Proceedings of the International Conference on Business Excellence, Volume 19, Issue 1, 2025, Page 2080-2093
	218)	Vîlcu A., Todirică D., Herghiligiu I.V., Verzea I., Digital security system with artificial intelligence module for data communications into manufacturing company, Acta Technica Napocensis, Applied Mathematics, Mechanics, and Engineering Vol. 66, Issue IV, November, 2023, FI=0,1
5. Brevete		
	1)	Burduhos-Nergis, D.P., Sandu, A.V., Bejinariu, C., Acasandrei M.A., Epure E.L., Cimpoesu, N., Istrate, B., Lohan, N.M. *Procedeu de fosfatare a aliajelor de titan cu soluţie pe bază de zinc-magneziu-calciu (Phosphating process for titanium alloy with Zn-Mg-Ca phosphate solution)*. Cerere de Brevet de invenţie, OSIM Nr. A 00550, din 21.11.2025.
	2)	Slătineanu, L., Boca, M., Coteață, M., Nagiț, G., Dodun, OBrevet de invenție 13523/30.01.2024, dispozitiv pentru studiul rigidității unui strung universal cu rotirea arborelui principal,
	3)	Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, Cristian AGHION, *Dispozitiv pediatric pentru determinarea diferenței de lungime a membrelor inferioare*, Cerere de brevet de invenție nr. A/00436 din 26.07.2024.
	4)	Dimitrie-Cristian FODOR, Neculai-Eugen SEGHEDIN, Vasile-Ion MANTA, Otilia ZVORIȘTEANU, Dragoș-Florin CHITARIU, Ștefan-Daniel ACHIREI, Sistem protetic pentru detecția și compensarea diferenței de lungime a membrelor inferioare umane, Cerere de brevet de invenție nr. A/00055 din 16.02.2024, https://worldwide.espacenet.com/patent/search?q=pn%3DRO138295A0;
	5)	Neculai-Eugen SEGHEDIN, Dragoș-Florin CHITARIU, Dimitrie-Cristian FODOR, *Modul protetic extensibil pentru protezele de membru inferior*, Cerere de brevet de invenție nr. A/00381 din 28.06.2024;
	6)	Popescu Constantin, Popescu Daniela, Rotor de turbină cu dublu flux. Brevet de inventie nr. 131343. Eliberat la data de 30.08.2021.
	7)	Seghedin N., Chitariu Dragos, Dispozitiv pentru masurarea fortelor sl momentelor de aschiere la prelucrarea cu bare de alezat, RO133578 B1/2024
	8)	Seghedin N., Chitariu Dragos, Zetu Irina, RO131347B1/ Dispozitiv pentru masurarea fortelor de frecare fir-bracket din aparatele ortodontice, RO131347B1/2024
	9)	Toma, S.L., Savin, G.A., Toma, B.F., Bejinariu, C., Ionita, I., Vizureanu, P., Badarau, G., Sandu, A.V., Cazac, A.M., Burduhos Nergis D.P. *Sistem de duze utilizat la metalizarea prin pulverizare termica in arc electric*, Brevet de invenţie Nr. RO 134208 B1. Publicat in Buletinul Oficial al Proprietăţii Industriale, RO-BOPI 4/2024, din 30.04.2024, ISSN 2065-2100.
6. Proiecte	1)	"aaa bbb ccc". Autoritatea Contractantă: Consiliul National pentn Finantarea Invatamantului Superior - CNFIS Bucuresti. Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi. Valoarea contractului: 380000 lei (10 facultati). Director de proiect: Loghin Maria-Carmen, Responsabil activitate CDI-SIM: Bejinariu Costică. Contract de finanţare pentru executie proiecte nr. CNFIS-FDI-2021-0354/2021.
	2)	Cercetari privind influenta conditiilor de turnare asupra proprietăților pieselorturnate din aliaje SAE 430 B (CuZn25Al5Fe3Mn4). Valoare contract 2023: 60350,85 lei. Nr membri: 5. Director de proiect Lohan Nicoleta-Monica. Cercetator stiintific I: Bejinariu Costică. Contract de cercetare nr. 49104/2022:
	3)	Creșterea calității procesului didactic prin revizuirea planurilor de învățământ si introducerea unor ghiduri de scriere a programelor pe baza rezultatelor învățării -PROG-RESS" CNFIS-FDI-2023-F-0039, 380.000 lei; 10.04.2023-15.12.2023 (7 membri) SEGHEDIN N. (director de proiect)
	4)	Dezvoltarea culturii calităţii prin diseminarea normelor de etică şi metodelor creative de predare-invăţare şi modernizarea infrastructurii didactice pentru consolidarea educaţiei centrate pe student (CADEC) ,CNFIS-FDI-2022-0103, 29.03.2022 - 16.12.2022, 397.000 lei. SEGHEDIN N. (director de proiect),
	5)	Le Français mon atout. Employabilité et plurilinguisme » dans le cadre de l'Appel à manifestation d'intérêt dédié au 30ème anniversaire de l'AUF-ECO, Convention AUF-ECO-2024 DRECO-8394 / 23.04.2024, 900 euroTitular, co-responsabil proiect - «
	6)	Platformă Integrată Pentru Îmbunătățirea Calității Procesului Didactic, Prin Digitalizarea Activităților De Respectare A Eticii Și Integrității Academice, De Urmărire A Angajabilității Absolvenților - Cnfis-Fdi-2021-0598. Suma Aprobata -380.000,00 Lei, 17.05.2021-

		17.12.2021.Seghedin N. (Director De Proiect),
	7)	Proiecte de cercetare pentru stimularea tinerilor cercetatori din cadrul Universitatilor ARUT, Valoarea grantului: 49.771 lei,reprezentand echivalentul a 10.000 euro -Chitariu Dragos, Granturi Nationale de Cercetare – ARUT,
	8)	Stagii de PRACTICă performante pentru studenţii Universităţii Tehnice Gheorghe Asachi Iaşi – PRACTIC, Proiect POCU/626/6/13/130661; Director proiect: Prof.univ.dr.ing. Nicolae Eugen Seghedin; Proiect cofinanţat din Fondul Social European prin Programul Operaţional Capital Uman 2014-2020; Axa prioritară 6 - Educaţie şi competenţe; Obiectivul specific 6.13; Valoare totală proiect: 4.500.000 lei. Ciobanu Bogdan,Rol în proiect: Expert grup țintă și angajabilitate - COR 243201,
	9)	Studii și cercetări privind pregătirea suprafeței pieselor din oțel carbon prin fosfatare cristalină în vederea protecției anticorozive. Contract de cercetare nr. 30675/02.09.2024.Valoare contract 2024-2025: 51000 lei exclusiv TVA (60690 lei cu TVA). Director de proiect Cazac Alin-Marian. Nr membri: 4. Cercetator stiintific I: Bejinariu Costică.
	10)	Academic Entrepreneurship Roadmap (acronim: AcEntRoad), - Coordonator proiect: Plovdivski Universitet Paisiy Hilendarski, Plovdiv, Bulgaria, Partener 3: Universitatea Tehnică “Gheorghe Asachi” din Iaşi (TUIasi), - Director proiect Partener 3 (TUIasi): Ciobanu Margareta Gabriela .Erasmus+ Programme – Strategic Partnership Project, number: 2023-1-BG01-KA220-HED-000154889
	11)	Acoperiri inovative prin conversie chimică de fosfat pentru promovarea osteointegrării și biocompatibilității implanturilor de titan .Valoare proiect: 499666 RON. An 2025-264859 lei, An 2026-234807 lei. Director de proiect: Ș.l. dr. ing. Diana-Petronela Burduhos-Nergiș. 9 membri. Cercetator stiintific I: Bejinariu Costică.
	12)	AUF ECO 2024 DRECO 8602- ECONANODERE, Membru proiect 2024-2025. Director proiect: Ș.l.dr.ing. Daniel Lepadatu.
	13)	Bariere Ridicate Acum pentru Viitorul Elevilor la CMMI – BRAVE, 2020-2024” organizat de Facultatea de Construcții de Mașini și Management Industrial, în cadrul Proiectului privind Învățământul Secundar (ROSE), Schema de Granturi Competitive pentru Universități - SGCU-PV, proiect AG324. Valoarea bugetului /2024 este de 287352,38 RON lei in 2024.
	14)	Cercetari privind optimizarea procesului de fabricate a rolelor de rulmenti, beneficiar RULMENTI S.A., Barlad, valoare contract 26.500 lei, - adev. C.C.T.T. Polytech Grant intern TUIASI Publicatii GI/P29 Publicatii/07.2021 valoarea 45.000 lei - adev. C.C.T.T. Polytech Grant intern IDEI TUIASI GI/P6/IDEI/07.2021, valoare 40.000 lei - adev. C.C.T.T. Polytech.Contract cu mediul socio-economic
	15)	Cercetări privind calitatea îmbinărilor sudate a materialelor plastice”, 2024, valoare 25.012,6 lei - 5025 euro Curs Euro 2024 -4,977) , conform adeverinta POLYTECH 12992.09.04.2025. Chitariu Dragos. Proiect cu mediul economic, contract nr. 46218/02.12.2024, beneficiar S.C. LUCIMAR S.R.L.
	16)	Contract de finantare nr. 32TE/2025 .Cod Proiect: PN-IV-P2-2.1-TE-2023-1086
	17)	Creșterea calității procesului de învățare prin agregarea cunoștințelor, abilitaților și responsabilităților absolvenților și conștientizarea implicațiilor utilizării Inteligentei Artificiale (IA) - PROG-RESS 2 - CNFIS-FDI-2024-F-0501;Perioada - 15.04.2024-16.12.2024;Suma finantata-420.000,00 (360.000 ME si 60.000 cofinantare); Număr persoane-6 persoane in echipa de management. Seghedin N. (director de proiect)
	18)	Dezvoltarea culturii antreprenoriale a studenților de la inginerie și arhitectură prin crearea unei rețele de centre de pregătire în antreprenoriat – AntreprenorIng, Proiect POCU/379/6/21/123975; Director proiect: Prof.univ.dr.ing. Nicolae Eugen Seghedin; Ciobanu Bogdan, Rol în proiect: Expert
	19)	Dezvoltarea instituțională a TUIASI pe fundamente specifice științei deschise". Contract de finanţare pentru executie proiecte nr. CNFIS-FDI-2022-0460/2022.
	20)	Dezvoltarea instituțională a TUIASI pentru creșterea relevanței internaționale a activității de cercetare – RANKup, Contract CNFIS-FDI-2021-0354/2021; Director proiect: Prof.univ.dr.ing. Carmen Loghin; Ciobanu Bogdan, Rol în proiect: Membru echipă implementare;
	21)	Doctalent4EU, Transforming Europe Through Doctoral Talent and Skills Recognition, Horizon Europe: HORIZON-WIDERA-2022-. ERA-01-50, Valoare proiect pentru 2024: 302508 lei, nr. persoane în echipă, 2024: 9
	22)	Fabricarea si testarea performantelor statice si dinamice ale protezelor autoadaptabile transtibiale, avand codul/ID GnaC2023_269, Contract cu mediul socio-economic Cercetari privind optimizarea procesului de fabricate a rolelor de rulmenti, beneficiar RULMENTI S.A., Barlad, valoare contract 26.500 lei, - adev. C.C.T.T. Polytech Grant intern TUIASI Publicatii GI/P29 Publicatii/07.2021 valoarea 45.000 lei - adev. C.C.T.T. Polytech Grant intern IDEI TUIASI GI/P6/IDEI/07.2021, valoare 40.000 lei - adev. C.C.T.T. PolytechChitariu Dragos,
	23)	Inginer în devenire la CMMI-I.D. CMMI”- AG 347/SGU/SS/III (11.10.2021 – 31.01.2022).Contract individual de muncă nr. 21804/08.10.2021, formator consiliere profesională și orientare în carieră
	24)	Inserția absolvenților prin stagii de pregătire practică moderne și eficiente din cadrul Universității Tehnice Gheorghe Asachi din Iași, pe piața muncii PRACTEH.” Funcția: Consilier ateliere dezvoltare competențe/COR 242403. Seghedin N. (director de proiect) 2022 - Proiect

		POCU/626/6/13 II 131181.
	25)	Platformă integrată pentru îmbunătățirea calității procesului didactic, prin digitalizarea activităților de respectare a eticii și integrității academice, de urmărire a angajabilității absolvenților, CNFIS-FDI-2021-0598.Contract individual de muncă nr. 21154/31.05.2021, expert în științele educației
	26)	Proiect AUF ECO 2024 DRECO 8602- ECONANODERE, Membru proiect 2024-2025. Director proiect: Ş.l.dr.ing. Daniel Lepadatu.
	27)	Proiect pentru susţinerea capacităţii de publicare. Contract de grant intern pentru finanţare proiecte nr. GI /P4 /2021. Autoritatea Contractantă: Universitatea Tehnică „Gheorghe Asachi" din Iaşi. Finanţare: Finanţarea de bază - Finanţarea cercetării ştiinţifice universitare. Denumire Program: Granturi interne – PUBLICAŢII. Tip proiect: . Valoarea contractului: 45000 lei. Durata contractului: 5,5 luni. Director de proiect: Bejinariu Costica,
	28)	Proiect pentru susţinerea capacităţii de publicare. Valoarea contractului: 45000 lei. Durata contractului: 5,5 luni. Director de proiect: Sandu Andrei Victor, Cercetator stiintific I: Bejinariu Costică, Contract de grant intern pentru finanţare proiecte nr. GI /P20 /2021. Autoritatea Contractantă: Universitatea Tehnică „Gheorghe Asachi" din Iaşi.Finanţare: Finanţarea de bază - Finanţarea cercetării ştiinţifice universitare.Denumire Program: Granturi interne – PUBLICAŢII
	29)	Reducerea abandonului școlar al studenților din anul I prin activități remediale și de consiliere în Centrul de Învățare din cadrul TUIASI (REMEDIUM),contract 23521/31.10.2022
	30)	Rețea de laboratoare didactice pentru discipline generale, specifice studiilor de ingineri – NETLAB; AG288/SGU/CI/III Contract individual de muncă nr. 22262/18.02.2022, expert formator cadre didactice/COR: 235104,
	31)	ROSE AG-329, Şcoala de vară pentru elevi „Vreau să fiu student", MECSTUD, 2020 -2024, 28 luni, director de grant IANUŞ GELU, categorie de grant SGCU-PV sesiuni de formare: Nediscriminarea – egalitate de şanse în carieră Valoare grant 914617 Lei, in 2024: 182.923 lei.
	32)	Sinergii pentru Internaționalizarea Sustenabilă a TUIASI la nivel European și Mondial (SISTEM)", CNFIS-FDI-2024-F-0016, „Rethinking Skills for Internationalisation - iSKILLS"; ERASMUS-EDU-2022-EUR-UNIV, Id 101090042-INGENIUM, „INGENIUM Alliance of European Universities, INGENIUM, : Dîrțu Evagrina ca expert din partea TUIASI în pachetul de lucru 9 „INGENIUM for Non-discriminatory and Socially Engaged Higher Education", axa 3- „A multilingual and intercultural Alliance"; CNFIS-FDI-2025-F-0103
	33)	SMART Building Management System – soluție pentru management eficient al consumurilor de utilități, utilizând algoritmi Machine Learning, în contextul SMART CITY. Lider parteneriat : Quartz Matrix SRL. Perioada: 2025 – 2027. Panaite Carmen Ema – coordonator tehnic TUIASI.
	34)	TERMOSTRUCT-3D. Director de proiect, Programului ''Granturi naţionale de cercetare - ARUT'', cu finanţare din Fondul pentru Finanţarea Cercetării Ştiinţifice Universitare, contr.CNFIS-FDI-2025-0545 şi Venituri Proprii TUIASI, GnaC2023_284 / 2024, "", 8 membri, Valoare contract 49771, 01.07.2024 - 31.08.2025 . Director Popa Mihai
	35)	Transversal(ité) dans l'Univers(ité). Développement et renforcement des compétences transversales chez les étudiants et les enseignants des filières techniques et d'architecture : communication, transdisciplinarité, autonomie », Convention AUF-ECO-535/18.05.2021, între AUF-ECO și Universitatea Tehnică „Gheorghe Asachi", 3.000 euro, 2021-2022 Dirtu E.Titular, co-responsabil proiect

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