

Evidența activității științifice a doctoranzilor – publicații și conferințe pentru perioada 2021-2025

Rezultate științifice ale doctoranzilor (articole / contribuții)

Pentru doctoranzii care au obținut titlul de doctor în perioada 2021–2025, se va raporta pentru fiecare doctorand:

- minimum o publicație indexată în baze recunoscute (de ex. Web of Science, Scopus) și/sau o altă contribuție științifică relevantă, aferentă domeniului Inginerie mecanică (de ex. capitol de carte, brevet, participare la proiecte de cercetare cu rezultate concrete).

1. **Thierheimer, A.**, Alexandru, C., Thierheimer, W. Aspects regarding the experimental research of the stressors of the human pregnancy in case of road events. Annual Session of Scientific Papers IMT 2018 - MATEC Web of Conferences, vol. 184, 2018, Article Number 01006, ISSN 2261-236X, DOI 10.1051/mateconf/201818401006
2. **Thierheimer, A.**, Alexandru, C., Oțăt, O., Crauciuc, D., Thierheimer, W.W. Considerations regarding on automotive stability. The 30th SIAR International Automotive and Transport Engineering Congress „Science and Management of Automotive and Transportation Engineering – SMAT”, Craiova, 2019
3. **Thierheimer, A.**, Alexandru, C., Sifft, M., Crauciuc, D., Thierheimer, W.W. Studies on visibility embarrassment due to traffic from the opposite direction. International Journal of Transportation Systems, vol. 5, 2020, p. 11-18, ISSN 2534-8876
4. Crauciuc, D., Sifft, M., Thierheimer, W.W., Alexandru, C., **Thierheimer, A.** Forensic science experimental investigation over the victim's behaviour in road events. *International Journal of Transportation Systems*, vol. 4, 2019, p. 91-94, ISSN 2367-8941
5. Thierheimer, W.W., Alexandru, C., **Thierheimer, A.**, Crauciuc, D. Performance of diaphragm elastic elements in ABS. 5th International Conference of Mechanical Engineering ICOME 2019 - Applied Mechanics and Materials, vol. 896, 2020, p. 241-248, ISSN 1662-7482, DOI 10.4028/www.scientific.net/AMM.896.241
6. **Ursache, Stefania**; Cerbu, Camelia*; Hadăr, Anton; Petrescu, Horia Alexandru. Effects of rubber core on the mechanical behaviour of the carbon–aramid composite materials subjected to low-velocity impact loading considering water absorption. *Materials* (IF 3.2/ JCR 2024, SRI 1.792/ JCR2023, Q1 category), **2024**, vol. 17, issue 16, articol no.: 4055. DOI: 10.3390/ma17164055. WOS: 001305667700001. *Autor de corespondență. Link: <https://doi.org/10.3390/ma17164055>
7. **Ursache, Stefania**; Cerbu, Camelia*; Hadăr, Anton. Characteristics of carbon and kevlar fibres, their composites and structural applications in civil engineering - A Review. *Polymers* (IF 4.9/ JCR 2024, SRI 1.786/ JCR 2024, Q1 Category quartile), **2024**, Vol. **16**, Issue 1, Article no. 127, DOI: 10.3390/polym16010127. WOS: 001140693300001. *Autor de corespondență Link: <https://www.mdpi.com/2073-4360/16/1/127>
8. **Dumbrava, Florin**; Cerbu, Camelia*. Effect of the looseness of the beam end connection used for the pallet racking storage systems, on the mechanical behavior of the bearing beams. *Materials*, ISSN: 1996-1944 (IF: 3.748, SRI: 1.822), **2022**, 15(14), Article Number: 4728. DOI: 10.3390/ma15144728. WOS: 000833242600001. *Autor de corespondență <https://www.mdpi.com/1996-1944/15/14/4728>
9. Cerbu, Camelia; **Ursache, Stefania**; Botis, Marius Florin; Hadăr, Anton. Simulation of the hybrid carbon-aramid composite materials based on mechanical characterization by digital image correlation method, *Polymers*, ISSN: 2073-4360 (IF 4.967/ JCR 2021, SRI: 1.961/ JCR 2021), ISSN 2073-4360, **2021**, vol. 13 (23), Article number: 4184. DOI: 10.3390/polym13234184. WOS: 000741852100001. <https://www.mdpi.com/2073-4360/13/23/4184>
10. **Dumbrava, Florin**; Cerbu, Camelia*. Experimental Study on the Stiffness of Steel Beam-to-Upright Connections for Storage Racking Systems. *Materials*, Vol.13, July **2020**, no. 2949. DOI: 10.3390/ma13132949. WOS: 000555046200001. *Autor de corespondență. <https://www.mdpi.com/1996-1944/13/13/2949>

11. **Nedelescu, C;** Chiru, A; Negrila, RI; Vrabie, PM; Trusca, DD; Mathematical Modeling of Vehicle Impact Against a Rigid Barrier, CONAT 2024 INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING, PT THREE, p.201-212, DOI 10.1007/978-3-031-77635-9_18
12. Costiuc, I ; Chiru, A; **Costiuc, L;** A Review of Engine's Performance When Supercharging by a Pressure Wave upercharger, ENERGIES, Volume15, Issue 8, DOI 10.3390/en15082721
13. **Nedelescu, C;** Chiru, A; Banu, G; Vrabie, PM; Trusca, D; ASPECTS REGARDING THE NIGHT-TIME VISIBILIT OF PEDESTRIANS, INGINERIA AUTOMOBILULUI, Issue 62 Page 14-18, Published APR 2022
14. **Condrea, OA;** Chiru, A; Toganel, GR; Trusca, DD; The Influence of Vehicle Low Impact Velocity over the Helmet Airbag Deployment and Cyclist Injuries, 30TH SIAR INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING: SCIENCE AND MANAGEMENT OF AUTOMOTIVE AND TRANSPORTATION ENGINEERING, Page 273-280, DOI 10.1007/978-3-030-32564-0_32
15. **Condrea, OA;** Chiru, A; Toganel, GR; Trusca, DD; Effects of Vehicle Impact Velocity on Cyclist Injurie and Kinematics for Rear Impacts, 30TH SIAR INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING: SCIENCE AND MANAGEMENT OF AUTOMOTIVE AND TRANSPORTATION ENGINEERING, Page 281-288, DOI 10.1007/978-3-030-32564-0_33
16. WOS:001530989600042. **Drosu, A;** Cofaru, C and Slaff, C. [Weather and Road Environment's Influence on Multi-Vehicle Crashes in Romania](#). 32ND INTERNATIONAL CONGRESS OF SIAR OF AUTOMOTIVE AND TRANSPORT ENGINEERING, EAEC-MVT 2022 Volume 1311. IOP Conference Series-Materials Science and Engineering. DOI:10.1088/1757-899X/1311/1/012042 (Indexed 2025-09-06) ,ISSN 1757-8981
17. WOS:001530989600041**Drosu, A;** Cofaru, C; Popescu MV,; Slaff, C. [The Influence of Data Aggregation Levels on Accident Severity Researches](#). 32ND INTERNATIONAL CONGRESS OF SIAR OF AUTOMOTIVE AND TRANSPORT ENGINEERING, EAEC-MVT 2022 Volume 1311. IOP Conference Series-Materials Science and Engineering. DOI:10.1088/1757-899X/1311/1/012041 (Indexed 2025-09-06) ,ISSN 1757-8981
18. WOS:000700122400023.**Drosu, A;** Cofaru, C and Popescu, MV [Fatal Injury Risk Model \(FIRM\) of the Road Accidents that Occurred in Rainy Conditions - A Probabilistic Approach](#). Oct 2021.INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY 22(5), pp.1415-1426. DOI:10.1007/s12239-021-0123-2 ISSN1229-9138
19. Huminic, G., **Vărdaru, A.**, Huminic, A., Fleaca C., Dumitrache, F., Plasmonic-magnetic hybrid nanofluid: synthesis, characterization, and photo-thermal performance for solar applications, Journal of Molecular Liquids 435 (2025) 128149.
20. Huminic, G., **Vărdaru, A.**, Huminic, A., Dumitrache, F., Fleaca C., A comprehensive analysis of the thermo-physical behavior of a novel hybrid nanofluid for energy applications, Journal of Molecular Liquids 432 (2025) 127699.
21. Huminic, G., **Vărdaru, A.**, Huminic, A., Fleaca C., Dumitrache, F., Broad-band absorption and photo-thermal conversion characteristics of rGO-Ag hybrid nanofluids, Journal of Molecular Liquids 408 (2024) 125347.
22. Huminic, G., Huminic, A., **Vărdaru, A.**, Dumitrache, F., Fleacă C., Experimental investigation on Ag NPs-rGO-water/ethyleneglycol hybrid nanofluids used in solar applications, Diamond & Related Materials 143 (2024) 110851.
23. Huminic, G., **Huminic, A.**, Vărdaru, A., Fleacă C., Dumitrache, F., Morjan, I., Surface tension of Ag NPs-rGO based hybrid nanofluids, Journal of Molecular Liquids 390 (2023) 123002.
24. **Vărdaru A.**, Huminic G., Huminic A., Fleacă C., Dumitrache F., Morjan, I., Aqueous hybrid nanofluids containing silver-reduced graphene oxide for improving thermo-physical properties, Diamond and Related Materials 132 (2023) 109688.
25. Huminic, G., **Vărdaru, A.**, Huminic, A., Fleaca C., Dumitrache, F., Morjan, I., Water-Based Graphene Oxide–Silicon Hybrid Nanofluids—Experimental and Theoretical Approach, International Journal of Molecular Sciences, 23 (2022) 3056.
26. **Vardaru A.**, Huminic G., Huminic A., Fleaca C., Dumitrache F., Morjan I., Synthesis, characterization and thermal conductivity of water based graphene oxide–silicon hybrid nanofluids: An experimental approach, Alexandria Engineering Journal, 61(2022) 12111-12122.

27. Chereches M., **Vardaru A.**, Huminic G., Chereches EI., Minea A.A., Huminic A., Thermal conductivity of stabilized PEG 400 based nanofluids: An experimental approach, *International Communications of Heat and Mass Transfer* 130 (2022) 105798.
28. **Iftimiciuc, M.**, Lache, S., Vandepitte, D., Velea, M.N., Bending performance of a sandwich beam with sheet metal pyramidal core, *Materials Today Communications*, 31 (2022), 103490, ISSN 2352-4928, FI=3.662 (2021), <https://doi.org/10.1016/j.mtcomm.2022.103490>.
29. **Iftimiciuc, M.**, Lache, S., Wennhage, P., Velea, M.N., Structural Performance Analysis of a Novel Pyramidal Cellular Core Obtained through a Mechanical Expansion Process, *Materials*, ISSN 1996-1944; CODEN: MATEG9, Volume 13 (2020), Issue 19, 4264; DOI: 10.3390/ma13194264, FI=3.057 (2020), 3.1 (2023), SRI=1.417 (2018), <https://www.mdpi.com/1996-1944/13/19/4264/htm>.
30. **Jitărășu, O.**, Lache, S., Ballistic performance of monolithic rubber-ceramic composite armor, *Journal of Composite Materials*, Volume 58, Issue 5 (2024) ISSN 0021-9983, eISSN 1530-793X, <https://journals.sagepub.com/doi/10.1177/00219983231226412>, 2024, FI=2.9 (2023), <https://doi.org/10.1177/00219983231226412>.
31. **Jitărășu, O.**, Lache, S., Velea, M.N., Impact performance analysis of a novel rubber-composite combat helmet, *Proceedings of the Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science*, Volume 237, Issue 7 (2023) ISSN 0954-4062, FI=1.758 (2022), <https://doi.org/10.1177/09544062221132700>.
32. **Jitărășu, O.**, Numerical investigation on the impact of various construction designs of ceramic mosaic armour on ballistic resistance, *UPB Scientific Bulletin, Series D: Mechanical Engineering*, 2024; 86 (4): 181-196. (Scopus)
33. **Lazar AM**; Braun, BC; Baritz, MI; Repanovici, A; Barbu, DM; Tataru, AI;
34. **Apostoaie, MG**, Conceptual Model of an Eye Movement Simulation Procedure for Motor Dysfunction Prediction, 9TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2024, Vol.130 Pag.13-22, DOI10.1007/978-3-031-95671-3_2, WOS:001585656900002
35. **Apostoaie, MG**; Baritz, MI; Braun, B; Repanovici, A; **Lazar, AM**; Bodi, G Simulation of Comfort Behavior During the Gait Cycle of People with Low Vision, 12TH E-HEALTH AND BIOENGINEERING CONFERENCE, EHB 2024, Page265-268, DOI10.1109/EHB64556.2024.10805621, WOS:001413708800065
36. **Câmpean, ȘI., Beșchea, GA.**, Tăbăcaru, MB. et al. Revealing isochoric water nucleation: a visual study. *Sci Rep* 14, 10086 (2024). <https://doi.org/10.1038/s41598-024-61053-y>
37. Beatrice Georgiana VUȚOIU, Maria Bianca TĂBĂCARU, **George Andrei BEȘCHEA, Ștefan Ioan CÂMPEAN**, Alexandru Mihai BULMEZ and Gabriel NĂSTASE. Seven continents. One sky. *Frontiers in Climate*, DOI 10.3389/fclim.2024.147028
38. **Baraboi, Dan-Radu**, Scutaru Luminita Maria, Dragomir George, Brezeanu Alin Ionut, Calota Razvan, Pavel Mihaela, Nastase Gabriel. Smart 3D-printed facades: a review of innovations, materials, and sustainable performance. *FRONTIERS IN SUSTAINABLE CITIES*. DOI 10.3389/frsc.2025.1610729
39. Evolution of Colorimetry in 3D-Printed Samples Exposed to External Weather Conditions, Used in Smart Façades. **Baraboi, DR (Baraboi, Dan-Radu)**; Nastase, G (Nastase, Gabriel) ; Sima, R (Sima, Razvan); Serban, A (Serban, Alexandru). *BUILDINGS*, Volume16, Issue1, DOI10.3390/buildings16010197
40. Ștefan Ioan Câmpean, **George Andrei Beșchea**, Beatrice Georgiana Vuțoiu, Maria-Bianca Tăbăcaru, Gabriel Năstase, A comparison of raspberry freezing-damage during preservation in isochoric and isobaric conditions. *Frontiers in nutrition*, Sec. Nutrition and Food Science Technology Volume 11 - 2024 , <https://doi.org/10.3389/fnut.2024.1439726>
41. A systematic review of systemic challenges and transition strategies for integrating renewable energy sources into conventional electricity generation in the European Union. **George-Andrei Beschea**, Beatrice-Georgiana, Gabriel NASTASE, Maria-Bianca Tăbăcaru, George Dragomir, Alin-Ionuț Brezeanu, Ștefan-Ioan Câmpean. *Frontiers in Sustainability*. 2026
42. Factors affecting exergy terms in naturally aspirated diesel engines, **Mazilu A.**, Sandu V.-ACTA TECHNICA NAPOCENSIS,2023, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2106>

43. Maria Luminita Scutaru*, Vasile Gheorghe, and **Mihail-Marius Limbășan** - Study of the properties of some composite materials used in the automotive industry, International Conference Interdisciplinarity in Engineering, INTER-ENG, Tg Mureș 2022
44. Maria Luminita Scutaru*, Andrei Victor Petrici, **Cristina Miclea**, Ionel Staretu, Vasile Gheorghe - Study of towbars used in the automotive industry using the photoelastocimetry method - revista ACTA NAPOCENSISI 2024
45. Calin Itu, Maria Luminita Scutaru*, Mihai Kocsis, **Ionuț Carp**, **Marius-Mihail Limbășan** - Shear Modulus Estimation of Fiber Composites Using Finite Element Method, revista ACTA NAPOCENSISI 2024
46. Calin Itu, Maria Luminita Scutaru*, Cristian Klement, **Radu Popescu**, Transmissibility Analysis to Interaction Chamber of the ELI-NP Project Architecture for the ELIADE Detector System, revista ACTA NAPOCENSISI 2025

Capitol în carte:

1. Deac, D., Thierheimer, W.W., Oțăt, O.V., **Thierheimer, A.** Îmbunătățirea siguranței active la autoturisme. Editura Universității Transilvania din Brașov, 2019, ISBN 978-606-19-1218-6

Mobilități și participări internaționale ale doctoranzilor

Mobilități

Buzdugan Diana:

a) Stagii de pregătire în străinătate

- instituția gazdă: **Heilbronn University of Applied Sciences (Hochschule Heilbronn)**;
- țara: **Germania, 02.2024 – 02.2024 (2 săptămâni)**;
- tipul stagiului **Cercetare și documentare**.

Roșu Ioana:

A) - Stagii de pregătire în străinătate

- instituția gazdă: **Heilbronn University of Applied Sciences (Hochschule Heilbronn)**
- țara: **Germania, 02.2024 – 02.2024 (doua săptămâni)**
- tipul stagiului **cercetare și documentare**

Drd. Ing. Silvia ZISU – stagi Erasmus la McMaster University, Hamilton, Canada. Februarie-iunie 2025

Lucrări la conferințe

1. **A. Vărdaru**, G. Humnic și A. Humnic, Thermal conductivity of water based silver-graphene oxide hybrid nanofluids, The 10th International Conference on Advanced Concepts in Mechanical Engineering "ACME 2022", 6-7 June 2022, Iasi, România, 2022.
2. **A. Vărdaru**, G. Humnic și A. Humnic, Study of hybrid nanofluids used in direct absorption solar collectors, XXIIIrd National Conference on Thermodynamics with International Participation "NACOT 2023", 11-13 May 2023, Galați, România, 2023.
3. **Iftimiciuc, M.A.**, Velea, M.N., Lache, S., In-plane transversal stiffness of expanded trapezoidal cellular structure, The 8th International Conference on COMPUTATIONAL MECHANICS AND VIRTUAL ENGINEERING, 21-22 November 2019, Brasov, Romania.
4. **Iftimiciuc M. A.**, Lache S., and Velea M. N., Topologic Study of a Novel Periodic Cellular Core for Sandwich Panels, IOP Conference Series: Materials Science and Engineering, Volume 416, 7th International Conference on Advanced Materials and Structures - AMS 2018, DOI: doi:10.1088/1757-899X/416/1/012087, (indexed Web of Science).).

Paper presented at "7th International Conference on Advanced Materials and Structures - AMS 2018", 28-31 March 2018, Timișoara, Romania.

5. **Dumbravă, Florin**; Cerbu, Camelia. Analysis of pallet storage structures in down-aisle direction. Proceeding of The 8th International Conference on Advanced Composite Materials Engineering COMAT 2020 & The 3rd International Conference on Experimental Mechanics in Engineering, Brașov, ROMANIA, 29-31 October 2020, ISSN 2457-8541, pp. 49-54. Link conferinta: <https://sites.google.com/view/comatcomec/home> **Link-uri articol:** <http://193.254.231.99/jspui/handle/123456789/2516>

https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bZN7Q58AAAAJ&citation_for_view=bZN7Q58AAAAJ;u-x6o8ySG0sC

6. **Dumbrava, Florin**; Cerbu, Camelia; Ursache, Stefania. Research concerning to the rigidity of the screw joint between beam and column in metal structures, Proceedings of The 9th International Conference on Advanced Composite Materials Engineering (COMAT), Brasov, 17 – 18 October, 2022, ISSN 2457 – 8541, ISSN – L2457 – 8541, pp. 66 – **Link-uri articol:** <http://193.254.231.99:8080/jspui/handle/123456789/2642>

https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bZN7Q58AAAAJ&citation_for_view=bZN7Q58AAAAJ;2osOgNQ5qMEC

7. **Ursache, Stefania**; Cerbu, Camelia; Hadar, Anton; Dumbrava, Florin. Aspects regarding the mechanical characteristics of the carbon-Kevlar composite materials, Proceedings of The 9th International Conference on Advanced Composite Materials Engineering (COMAT), Brasov, 17 – 18 October, 2022, ISSN 2457 – 8541, ISSN – L2457 – 8541, pp. 140 – 146. <http://aspekt.unitbv.ro/jspui/handle/123456789/2653>

8. Serbia Drosu, A; Cofaru, C; Popescu MV,; Slaff, C-:INVESTIGATION OF THE SINGLE VEHICLE ACCIDENTS SEVERITY BY USING A PROBABILISTIC APPROACH La Congresul MOBILITY & VEHICLE MECHANICS 2022 Kragujevac

9. **A. Vărdaru, G. Huminic și A. Huminic**, Thermal conductivity of water based silver-graphene oxide hybrid nanofluids, The 10th International Conference on Advanced Concepts in Mechanical Engineering "ACME 2022", 6-7 June 2022, Iasi, România, 2022.

10. **A. Vărdaru, G. Huminic și A. Huminic**, Study of hybrid nanofluids used in direct absorption solar collectors, XXIIIrd National Conference on Thermodynamics with International Participation "NACOT 2023", 11-13 May 2023, Galați, România, 2023.

11. **Iftimiciuc, M.A.**, Velea, M.N., Lache, S., In-plane transversal stiffness of expanded trapezoidal cellular structure, The 8th International Conference on COMPUTATIONAL MECHANICS AND VIRTUAL ENGINEERING, 21-22 November 2019, Brasov, Romania.

12. **Iftimiciuc M. A.**, Lache S., and Velea M. N., Topologic Study of a Novel Periodic Cellular Core for Sandwich Panels, IOP Conference Series: Materials Science and Engineering, Volume 416, 7th International Conference on Advanced Materials and Structures - AMS 2018, DOI: doi:10.1088/1757-899X/416/1/012087, (indexed Web of Science). Paper presented at "7th International Conference on Advanced Materials and Structures - AMS 2018", 28-31 March 2018, Timișoara, Romania.

13. **Mihaela A. Ciolan**, Simona Lache, and Marian N. Velea, The auxetic behavior of an expanded periodic cellular structure, AIP conference proceedings, vol. 1932, 030021 (2018), DOI: <https://doi.org/10.1063/1.5024171>, Online ISBN: 978-0-7354-1624-6 (indexed Web of Science). Paper presented at "The 7th International Conference on Structural Analysis of Advanced Materials", 19-22 September 2018, Bucharest, Romania.

14. **M.A. Ciolan, S. Lache, M.N. Velea**, Cellular cores with negative Poisson's ratio for sandwich panels, Bulletin of the Transilvania University of Brașov, Series I: Engineering Sciences, Vol. 10 (59) No. 2 – 2017. ISSN, Paper presented at the "3rd International Conference for Doctoral Students - IPC 2017", 22-23 June 2017, Brașov, Romania

15. **Lazar AM**; Braun, BC; Baritz, MI; Repanovici, A; Barbu, DM; Tataru, AI; **Apostoaie, MG**, Conceptual Model of an Eye Movement Simulation Procedure for Motor Dysfunction Prediction, 9TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2024, Vol.130 Pag.13-22, DOI10.1007/978-3-031-95671-3_2, WOS:001585656900002

16. **Apostoaie, MG**; Baritz, MI; Braun, B; Repanovici, A; **Lazar, AM**; Bodi, G Simulation of Comfort Behavior During the Gait Cycle of People with Low Vision, 12TH E-HEALTH AND BIOENGINEERING CONFERENCE, EHB 2024, Page265-268, DOI10.1109/EHB64556.2024.10805621, WOS:00141370880006
17. **Lazar, AM**; Repanovici, A; Baritz, MI; Scutariu, MM; Tataru, AI; Pantea, I, Postural Risks in Dental Practice: An Assessment of Musculoskeletal Health, Sensors, 2024, Volume 24, Issue19, DOI10.3390/s24196240, WOS:001332778300001,
18. **Apostoaie, MG**; Baritz, M; Repanovici, A; Barbu, DM; Lazâr, AM; Bodi, G, Visual Aid Systems from Smart City to Improve the Life of People with Low Vision, Sustainability, 2023, Vol.15, Issue 8, DOI10.3390/su15086852, WOS:000983092100001
19. Lungu, AC; Cristea, L; Baritz, MI; Braun, BC; Tataru, AI; **Lazar, AM**, Ophthalmic Lenses Assessment For Ultraviolet Radiation Protection, 2024 12TH E-HEALTH AND BIOENGINEERING CONFERENCE, EHB 2024, Page248-252, DOI10.1109/EHB64556.2024.10805733, WOS:001413708800061.
20. Evolution of Colorimetry in 3D-Printed Samples Exposed to External Weather Conditions, Used in Smart Façades. **Baraboi, DR** (Baraboi, Dan-Radu); Nastase, G (Nastase, Gabriel) ; Sima, R (Sima, Razvan); Serban, A (Serban, Alexandru). BUILDINGS, Volume16, Issue1, DOI10.3390/buildings16010197
21. **Munyaradzi Innocent Mupona** - - Modal analysis of a milling dynamometer considered as 1DOF system, 60th International Conference on Vibroengineering in Resita, Romania, November 18, 2022;
22. **Mazilu A.**, 8th International Conference on Renewable Energy Research and Applications, Diesel Engine Waste Heat Recovery Potential versus Driving Cycles, ICRERA Brasov,2019
23. **Drd. Cristina Miclea**, M.L.Scutaru - A comparative analysis of the main methods for determine the elastic constants of fiber-reinforced composite materials, The Third International Symposium on Modern Engineering Equipment and Technology, Shenyang Jianzhu University, Shenyang, China, oct 2024
24. **Buzdugan Diana** REV2022 „International Conference on Remote Engineering and Virtual Instrumentation”, 2020, Egipt – participare în mod virtual;
25. **Buzdugan Diana**, AMMA2025 „The 35th SIAR International Congress of Automotive and Transport Engineering”;Cluj România,, 2025
26. **Roșu Ioana**, International Congress Motor Vehicles & Motors 2022, Kragujevac, Serbia (participare virtuala)
27. **Roșu Diana** - TRANSCOM 2023, Mikulov, Czech Republic
28. Moldovan M., **Rusea D.**, Visa I., Optimising the thickness of the water layer in a triangle solar thermal collector, Renewable Energy 173, 381-388, 2021, Factor de impact 8.63
29. **Rusea D.**, Moldovan M., Visa I., Numerical Simulations and Experimental Testing of Triangle Solar Thermal Collectors Efficiency, Conference for Sustainable Energy, CSE 2023 Renewable Energy Mixes for Carbon Neutrality in Communities, Universitatea Transilvania din Brașov, 26-28 Octombrie 2023
30. **Rusea Denisa Ioana**, Conference for Sustainable Energy, CSE 2023 Renewable Energy Mixes for Carbon Neutrality in Communities, Universitatea Transilvania din Brașov, 26-28 Octombrie 2023

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Februarie 2026