

Lista completă de lucrări științifice

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1. Articole științifice publicate în Jurnale

Informațiile relevante precum „factorul de impact (IF)”, „cuartila (Q)” și „domeniul” ale fiecărui Jurnal sunt furnizate pentru anul în care lucrarea a fost publicată.

1.1. Articole științifice publicate în Jurnale ISI (indexate Web of Science)

- [1] **E. Linul** (Autor corespondent), D. Pietras, T. Sadowski, L. Marșavina, D.K. Rajak, J. Kovacic (2021) Crashworthiness performance of lightweight Composite Metallic Foams at high temperatures, *Composites Part A: Applied Science and Manufacturing* (ISSN: 1359-835X), 149, 106516, doi.org/10.1016/j.compositesa.2021.106516 (WOS: 000689332300002), IF₂₀₂₀=7,664 (Q1 – Materials Science, Composites).
- [2] **E. Linul** (Autor corespondent), O. Khezzadeh (2021) Axial crashworthiness performance of foam-based composite structures under extreme temperature conditions, *Composite Structures* (ISSN: 0263-8223), 271, 114156, doi.org/10.1016/j.compstruct.2021.114156 (WOS: 000663802700012), IF₂₀₂₀=5,407 (Q1 – Mechanics).
- [3] N. Movahedi, **E. Linul** (Autor corespondent) (2021) Radial crushing response of ex-situ foam-filled tubes at elevated temperatures, *Composite Structures* (ISSN: 0263-8223), 277, 114634, doi.org/10.1016/j.compstruct.2021.114634 (WOS: 000703117500002), IF₂₀₂₀=5,407 (Q1 – Mechanics).
- [4] D.K. Rajak, **E. Linul** (Autor corespondent) (2021) Crushing response of Composite Metallic Foams: Density and High Strain Rate effects, *Journal of Alloys and Compounds* (ISSN: 0925-8388), 871, 159614, doi.org/10.1016/j.jallcom.2021.159614 (WOS: 000645004000010), IF₂₀₂₀=5,316 (Q1 – Metallurgy & Metallurgical Engineering).
- [5] D.I. Stoia, L. Marsavina, **E. Linul** (Autor corespondent) (2021) Mode I critical energy release rate of additively manufactured polyamide samples, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 114, 102968, doi.org/10.1016/j.tafmec.2021.102968 (WOS: 000675850400002), IF₂₀₂₀=4,017 (Q1 – Engineering, Mechanical).
- [6] L. Marșavina, C. Vălean, M. Mărghitaș, **E. Linul** (Autor corespondent), S.M. Javad Razavi, F. Berto, R. Brighenti (2021) Effect of the manufacturing parameters on the tensile and fracture properties of FDM 3D-printed PLA specimens, *Engineering Fracture Mechanics* (ISSN: 0013-7944), Lucrare acceptată, IF₂₀₂₀=4,406 (Q1 – Mechanics).

- [7] D.M. Imani, M.R.M. Aliha, **E. Linul**, L. Marsavina (2021) New mixed mode I/II fracture toughness testing specimen for Polyurethane foam with different cell densities, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 117, 103171, doi.org/10.1016/j.tafmec.2021.103171, IF₂₀₂₀=4,017 (Q1 – Engineering, Mechanical).
- [8] D.K. Rajak, P.H. Wagh, **E. Linul** (Autor corespondent) (2021) Manufacturing technologies of Carbon/Glass Fiber-Reinforced Polymer Composites and their properties: A Review, *Polymers* (eISSN: 2073-4360), 13(21), 3721, doi.org/10.3390/polym13213721 (WOS: 000718584800001), IF₂₀₂₀=4,329 (Q1 – Polymer Science).
- [9] D.K. Rajak, P.H. Wagh, **E. Linul** (Autor corespondent) (2021) Synthetic Fibers: Classifications, properties and applications, *Polymers* (eISSN: 2073-4360), Lucrare acceptată, IF₂₀₂₀=4,329 (Q1 – Polymer Science).
- [10] G. Epasto, F. Distefano, H. Mozafari, **E. Linul**, V. Crupi (2021) Nondestructive evaluation of aluminium foam panels subjected to impact loading, *Applied Sciences* (eISSN: 2076-3417), 11 (3), 1148, doi.org/10.3390/app11031148 (WOS: 000614974200001), IF₂₀₂₀=2,679 (Q2 – Engineering, Multidisciplinary).
- [11] G. Epasto, F. Distefano, L. Gu, H. Mozafari, **E. Linul** (Autor corespondent) (2020) Design and optimization of Metallic Foam Shell protective device against flying ballast impact damage in railway axles, *Materials & Design* (ISSN: 0264-1275), 196, 109120, doi.org/10.1016/j.matdes.2020.109120 (WOS: 000588266900001), IF₂₀₂₀=7,991 (Q1 – Materials Science, Multidisciplinary).
- [12] A.I. Bucur, **E. Linul**, B.O. Taranu (2020) Hydroxyapatite coatings on Ti substrates by simultaneous precipitation and electrodeposition, *Applied Surface Science* (ISSN: 0169-4332), 527, 146820, doi.org/10.1016/j.apsusc.2020.146820 (WOS: 000564206200001), IF₂₀₂₀=6,707 (Q1 – Materials Science, Coatings & Films).
- [13] D. Pietras, **E. Linul** (Autor corespondent), T. Sadowski, A. Rusinek (2020) Out-of-plane crushing response of aluminum honeycombs in-situ filled with graphene-reinforced polyurethane foam, *Composite Structures* (ISSN: 0263-8223), 249, 112548, doi.org/10.1016/j.compstruct.2020.112548 (WOS: 000555562900007), IF₂₀₂₀=5,407 (Q1 – Mechanics).
- [14] **E. Linul** (Autor corespondent), L. Marșavina, C. Vălean, R. Bănică (2020) Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures, *Engineering Fracture Mechanics* (ISSN: 0013-7944), 225, 106274, doi.org/10.1016/j.engfracmech.2018.12.007 (WOS: 000507345600031), IF₂₀₂₀=4,406 (Q1 – Mechanics).
- [15] T. Fiedler, K. Al-Sahlani, P.A. Linul, **E. Linul** (2020) Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature, *Journal of Alloys and Compounds* (ISSN: 0925-

- 8388), 813, 152181, doi.org/10.1016/j.jallcom.2019.152181 (WOS: 000490133900042), IF₂₀₂₀=5,316 (Q1 – Metallurgy & Metallurgical Engineering).
- [16] E. Linul, L. Marsavina, D.I. Stoia (2020) Mode I and II fracture toughness investigation of Laser-Sintered Polyamide, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 106, 102497, doi.org/10.1016/j.tafmec.2020.102497 (WOS: 000519657500046), IF₂₀₂₀=4,017 (Q1 – Engineering, Mechanical).
- [17] L. Marșavina, E. Linul (2020) Fracture toughness of rigid polymeric foams: A review, *Fatigue & Fracture of Engineering Materials & Structures* (ISSN: 8756-758X), 43(11), 2483-2514, doi.org/10.1111/ffe.13327 (WOS: 000562229500001), IF₂₀₂₀=3,459 (Q2 – Materials Science, Multidisciplinary).
- [18] DI Stoia, L. Marsavina, E. Linul (Autor corespondent) (2020) Mode I fracture toughness of polyamide and alumide samples obtained by Selective Laser Sintering additive process, *Polymers* (eISSN: 2073-4360), 12(3), 640, doi.org/10.3390/polym12030640 (WOS: 000525952000139), IF₂₀₂₀=4,329 (Q1 – Polymer Science).
- [19] O. Khezzadeh, O. Mirzaee, E. Emadoddin, E. Linul (Autor corespondent) (2020) Anisotropic compressive behavior of metallic foams under extreme temperature conditions, *Materials* (eISSN: 1996-1944), 13(10), 2329, doi.org/10.3390/ma13102329 (WOS: 000539277000121), IF₂₀₂₀=3,623 (Q1 – Metallurgy & Metallurgical Engineering).
- [20] A. Pugna, R. Negrea, E. Linul, L. Marsavina (2020) Is Fracture Toughness of PUR Foams a Material Property? A Statistical Approach, *Materials* (eISSN: 1996-1944), 13(21), 4868, doi.org/10.3390/ma13214868 (WOS: 000589326600001), IF₂₀₂₀=3,623 (Q1 – Metallurgy & Metallurgical Engineering).
- [21] E. Linul (Autor corespondent), D. Lell, N. Movahedi, C. Codrean, T. Fiedler (2019) Compressive properties of Zinc Syntactic Foams at elevated temperatures, *Composites Part B-Engineering* (ISSN: 1359-8368), 167, 122-134, doi.org/10.1016/j.compositesb.2018.12.019 (WOS:000465060200013), IF₂₀₁₉=7,635 (Q1 – Materials Science, Composites).
- [22] E. Linul (Autor corespondent), L. Marșavina, P.A. Linul, J. Kovacik (2019) Cryogenic and high temperature compressive properties of Metal Foam Matrix Composites, *Composite Structures* (ISSN: 0263-8223), 209, 490-498, doi.org/10.1016/j.compstruct.2018.11.006 (WOS: 000454690700042), IF₂₀₁₉=5,138 (Q1 – Mechanics).
- [23] D.K. Rajak, N.N. Mahajan, E. Linul (Autor corespondent) (2019) Crashworthiness performance and microstructural characteristics of foam-filled thin-walled tubes under diverse strain rate, *Journal of Alloys and Compounds* (ISSN: 0925-8388), 775, 675-689, doi.org/10.1016/j.jallcom.2018.10.160 (WOS: 000450981100080), IF₂₀₁₉=4,650 (Q1 – Metallurgy & Metallurgical Engineering).

- [24] D.K. Rajak, D.D. Pagar, P.L. Menezes, **E. Linul** (Autor corespondent) (2019) Fiber-Reinforced Polymer composites: Manufacturing, properties, and applications, *Polymers* (eISSN: 2073-4360), 2019, 11(10), 1667, doi.org/10.3390/polym11101667 (WOS: 000495382700136), IF₂₀₁₉=3,426 (Q1 – Polymer Science).
- [25] D.I. Stoia, L. Marșavina, **E. Linul** (Autor corespondent) (2019) Correlations between process parameters and outcome properties of Laser-Sintered Polyamide, *Polymers* (eISSN: 2073-4360), 11(11), 1850, doi.org/10.3390/polym11111850 (WOS: 000503279200122), IF₂₀₁₉=3,426 (Q1 – Polymer Science).
- [26] M.R.M. Aliha, S.S. Mousavi, A. Bahmani, **E. Linul**, L. Marsavina (2019) Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 101, 152-161, doi.org/10.1016/j.tafmec.2019.02.016 (WOS: 000466257700015), IF₂₀₁₉=3,021 (Q1 – Mechanics).
- [27] M. Vodă, C. Codrean, D. Chicot, V.A. Serban, I.D. Utu, **E. Linul**, D. Buzdugan (2019) Characterization of brazed joints by electrical resistance spot brazing with Ni-based amorphous self-flux alloys, *Journal of Manufacturing Processes* (ISSN: 1526-6125), 37, 617-627, doi.org/10.1016/j.jmapro.2018.10.029 (WOS: 000465052000059), IF₂₀₁₉=4,046 (Q2 – Materials Science, Multidisciplinary).
- [28] D.I. Stoia, **E. Linul**, L. Marsavina (2019) Influence of Manufacturing Parameters on Mechanical Properties of Porous Materials by Selective Laser Sintering, *Materials* (eISSN: 1996-1944), 12(6), 871, doi.org/10.3390/ma12060871 (WOS: 000464362100010), IF₂₀₁₉=3,057 (Q2 – Materials Science, Multidisciplinary).
- [29] L. Marsavina, O. Pop, **E. Linul** (2019) Mechanical and fracture properties of particleboard, *Frattura ed Integrità Strutturale* (ISSN: 1971-8993), 47, 266-276, doi.org/10.3221/IGF-ESIS.47.20 (WOS: 000453835800020), IF₂₀₁₉=NA (Q – NA).
- [30] **E. Linul** (Autor corespondent), N. Movahedi, L. Marsavina (2018) The temperature and anisotropy effect on compressive behavior of cylindrical closed-cell aluminum-alloy foams, *Journal of Alloys and Compounds* (ISSN: 0925-8388), 740, 1172-1179, doi.org/10.1016/j.jallcom.2018.01.102 (WOS: 000425494200138), IF₂₀₁₈=4,175 (Q1 – Metallurgy & Metallurgical Engineering).
- [31] M. Taherishargh, **E. Linul**, S. Broxtermann, T. Fiedler (2018) The mechanical properties of expanded perlite-aluminium syntactic foam at elevated temperatures, *Journal of Alloys and Compounds* (ISSN: 0925-8388), 737, 590-596, doi.org/10.1016/j.jallcom.2017.12.083 (WOS: 000419212900071), IF₂₀₁₈=4,175 (Q1 – Metallurgy & Metallurgical Engineering).
- [32] **E. Linul** (Autor corespondent), C. Vălean, P.A. Linul (2018) Compressive behavior of aluminum microfibers reinforced semi-rigid polyurethane foams, *Polymers* (eISSN: 2073-4360), 10(12), 1298, doi.org/10.3390/polym10121298 (WOS: 000454748700006), IF₂₀₁₈=3,164 (Q1 – Polymer Science).

- [33] M.R.M. Aliha, **E. Linul**, A. Bahmani, L. Marsavina (2018) Experimental and theoretical fracture toughness investigation of PUR foams under mixed mode I+III loading, *Polymer Testing* (ISSN: 0142-9418), 67, 75-83, doi.org/10.1016/j.polymertesting.2018.02.015 (WOS: 000432644900011), IF₂₀₁₈=2,943 (Q1 – Materials Science, Characterization & Testing).
- [34] N. Movahedi, **E. Linul** (Autor corespondent) (2018) Mechanical properties of Light Expanded Clay Aggregated (LECA) filled tubes, *Materials Letters* (ISSN: 0167-577X), 217, 194-197, doi.org/10.1016/j.matlet.2018.01.078 (WOS: 000425368200049), IF₂₀₁₈=3,019 (Q2 – Materials Science, Multidisciplinary).
- [35] **E. Linul** (Autor corespondent), N. Movahedi, L. Marsavina (2018) On the lateral compressive behavior of empty and ex-situ aluminum Foam-Filled Tubes at high temperature, *Materials* (eISSN: 1996-1944), 11(4), 554, doi.org/10.3390/ma11040554 (WOS: 000434710200096), IF₂₀₁₈=2,972 (Q2 – Materials Science, Multidisciplinary).
- [36] J. Kovacik, L. Marsavina, **E. Linul** (2018) Poisson's ratio of closed-cell aluminium foams, *Materials* (eISSN: 1996-1944), 11(10), 1904, doi.org/10.3390/ma11101904 (WOS: 000448658400118), IF₂₀₁₈=3,019 (Q2 – Materials Science, Multidisciplinary).
- [37] **E. Linul** (Autor corespondent), D.A. Serban, L. Marsavina (2018) Influence of cell topology on mode I fracture toughness of cellular structures, *Physical Mesomechanics* (ISSN: 1029-9599), 21(2), 178-186, doi.org/10.1134/S1029959918020121 (WOS: 000431515700012), IF₂₀₁₈=1,551 (Q2 – Materials Science, Characterization & Testing).
- [38] N. Movahedi, **E. Linul** (Autor corespondent), L. Marsavina (2018) The Temperature effect on the compressive behavior of closed-cell aluminum-alloy foams, *Journal of Materials Engineering and Performance* (ISSN: 1059-9495), 27(1), 99-108, doi.org/10.1007/s11665-017-3098-4 (WOS: 000419533500012), IF₂₀₁₈=1,476 (Q3 – Materials Science, Multidisciplinary).
- [39] **E. Linul** (Autor corespondent), N. Movahedi, L. Marsavina (2017) The temperature effect on the axial quasi-static compressive behavior of ex-situ aluminum foam-filled tubes, *Composite Structures* (ISSN: 0263-8223), 180, 709-722, doi.org/10.1016/j.compstruct.2017.08.034 (WOS: 000410632800057), IF₂₀₁₇=4,101 (Q1 – Materials Science, Composites).
- [40] **E. Linul** (Autor corespondent), L. Marsavina, J. Kováčik (2017) Collapse mechanisms of metal foam matrix composites under static and dynamic loading conditions, *Materials Science & Engineering A-Structural Materials Properties Microstructure and Processing* (ISSN: 0921-5093), 690, 214-224, doi.org/10.1016/j.msea.2017.03.009 (WOS: 000399511400024), IF₂₀₁₇=3,414 (Q1 – Metallurgy & Metallurgical Engineering).
- [41] **E. Linul** (Autor corespondent), D.A. Șerban, L. Marsavina, T. Sadowski (2017) Assessment of collapse diagrams of rigid polyurethane foams under dynamic loading conditions, *Archives of Civil and Mechanical Engineering* (ISSN: 1644-9665), 17(3), 457-466,

- doi.org/10.1016/j.acme.2016.12.009 (000411913700001), IF₂₀₁₇=2,763 (Q1 – Engineering, Mechanical).
- [42] **E. Linul**, D.A. Șerban, L. Marsavina, J. Kovacik (2017) Low-cycle fatigue behaviour of ductile closed-cell aluminium alloy foams, *Fatigue & Fracture of Engineering Materials & Structures* (ISSN: 8756-758X), 40(4), 597-604, doi.org/10.1111/ffe.12535 (WOS: 000397876700010), IF₂₀₁₇=2,533 (Q1 – Engineering, Mechanical).
- [43] N. Movahedi, **E. Linul** (Autor corespondent) (2017) Quasi-static compressive behavior of the ex-situ aluminum-alloy foam-filled tubes under elevated temperature conditions, *Materials Letters* (ISSN: 0167-577X), 206, 182-184, doi.org/10.1016/j.matlet.2017.07.018 (WOS: 000407407300047), IF₂₀₁₇=2,687 (Q2 – Materials Science, Multidisciplinary).
- [44] L. Marsavina, F. Berto, R. Negru, D.A. Serban, **E. Linul** (2017) An engineering approach to predict mixed mode fracture of PUR foams based on ASED and micromechanical modeling, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 91, 148-154, doi.org/10.1016/j.tafmec.2017.06.008 (WOS: 000413389100019), IF₂₀₁₇=2,215 (Q2 – Engineering, Mechanical).
- [45] **E. Linul**, L. Marsavina, J. Kovacik, T. Sadowski (2017) Dynamic and quasi-static compression tests of closed-cell aluminium alloy foams, *Proceedings of the Romanian Academy Series A-Mathematics Physics Technical Sciences Information Science* (ISSN: 1454-9069), 18(4), 361-369, doi (NA) (WOS: 000418158300010), IF₂₀₁₇=1,752 (Q2 – Multidisciplinary Sciences).
- [46] L. Marsavina, J. Kovacik, **E. Linul** (2016) Experimental validation of micromechanical models for brittle aluminium alloy foam, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 83, 11-18, doi.org/10.1016/j.tafmec.2015.12.020 (WOS: 000374357500003), IF₂₀₁₆=2,659 (Q1 – Engineering, Mechanical).
- [47] L. Marsavina, D.M. Constantinescu, **E. Linul**, F.A. Stuparu, D.A. Apostol (2016) Experimental and numerical crack paths in PUR foams, *Engineering Fracture Mechanics* (ISSN: 0013-7944), 167, 68-83, doi.org/10.1016/j.engfracmech.2016.03.043 (WOS: 000387329000007), IF₂₀₁₆=2,151 (Q2 – Mechanics).
- [48] D.A. Apostol, F. Stuparu, D.M. Constantinescu, L. Marsavina, **E. Linul** (2016) Experimental and XFEM Analysis of Mode II Propagating Crack in a Polyurethane Foam, *Materiale Plastice* (ISSN: 0025-5289), 53(4), 685-688, doi (NA) (WOS: 000395047100024), IF₂₀₁₆=0,778 (Q4 – Materials Science, Multidisciplinary).
- [49] D.A. Apostol, F. Stuparu, D.M. Constantinescu, L. Marsavina, **E. Linul** (2016) Crack Length Influence on Stress Intensity Factors for the Asymmetric Four-point Bending Testing of a Polyurethane Foam, *Materiale Plastice* (ISSN: 0025-5289), 53(2), 280-282, doi (NA) (WOS: 000380629300021), IF₂₀₁₆=0,778 (Q4 – Materials Science, Multidisciplinary).

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- [51] R. Negru, L. Marsavina, T. Voiconi, **E. Linul**, H. Filipescu, G. Belciu (2015) Application of TCD for brittle fracture of notched PUR materials, *Theoretical and Applied Fracture Mechanics* (ISSN: 0167-8442), 80, 87-95, doi.org/10.1016/j.tafmec.2015.05.005 (WOS: 000366340100012), IF₂₀₁₅=2,025 (Q1 – Engineering, Mechanical).
- [52] **E. Linul** (Autor corespondent), L. Marsavina (2015) Assesment of sandwich beams with rigid polyurethane foam core using failure-mode maps, *Proceedings of the Romanian Academy Series A-Mathematics Physics Technical Sciences Information Science* (ISSN: 1454-9069), 16(4), 522-530, doi (NA) (000367500300007), IF₂₀₁₅=1,735 (Q2 – Multidisciplinary Sciences).
- [53] L. Marsavina, D.M. Constantinescu, **E. Linul**, T. Voiconi, D.A. Apostol (2015) Shear and mode II fracture of PUR foams, *Engineering Failure Analysis* (ISSN: 1350-6307), 58, 465-476, doi.org/10.1016/j.engfailanal.2015.05.021 (WOS: 000364917900013), IF₂₀₁₅=1,358 (Q2 – Materials Science, Characterization & Testing).
- [54] D.A. Șerban, **E. Linul**, T. Voiconi, L. Marsavina, N. Modler (2015) Numerical evaluation of two-dimensional micromechanical structures of anisotropic cellular materials: case study for polyurethane rigid foams, *Iranian Polymer Journal* (ISSN: 1026-1265), 24, 515-529, doi.org/10.1007/s13726-015-0342-3 (WOS: 000357519800008), IF₂₀₁₅=1,684 (Q2 – Polymer Science).
- [55] D. A. Șerban, T. Voiconi, **E. Linul**, L. Marsavina, N. Modler (2015) Viscoelastic properties of PUR foams: Impact excitation and dynamic mechanical analysis, *Materiale Plastice* (ISSN: 0025-5289), 52(4), 537-541, doi (NA) (WOS:000368971900025), IF₂₀₁₅=0,903 (Q4 – Materials Science, Multidisciplinary).
- [56] L. Marsavina, **E. Linul**, T. Voiconi, D. Constantinescu, D. Apostol (2015) On the crack path under mixed mode loading on PUR foams, *Frattura ed Integrità Strutturale* (ISSN: 1971-8993), 34, 444-453, doi.org/10.3221/IGF-ESIS.34.43 (WOS: 000385961800043), IF₂₀₁₅=NA (Q – NA).
- [57] L. Marsavina, D.M. Constantinescu, **E. Linul**, D.A. Apostol, T. Voiconi, T. Sadowski (2014) Refinements on fracture toughness of PUR foams, *Engineering Fracture Mechanics* (ISSN: 0013-7944), 129, 54-66, doi.org/10.1016/j.engfracmech.2013.12.006 (WOS: 000344987200007), IF₂₀₁₄=1,767 (Q2 – Mechanics).
- [58] **E. Linul** (Autor corespondent), T. Voiconi, L. Marsavina (2014) Determination of mixed mode fracture toughness of PUR foams, *Structural Integrity and Life* (ISSN: 1451-3749), 14(2), 87-92, doi (NA) (WOS: NA), IF₂₀₁₄=NA (Q – NA).

- [59] T. Voiconi, R. Negru, **E. Linul**, L. Marsavina, H. Filipescu (2014) The notch effect on fracture of polyurethane materials, *Frattura ed Integrità Strutturale* (ISSN: 1971-8993), 30, 101-108, doi.org/10.3221/IGF-ESIS.30.14 (WOS: NA), IF₂₀₁₄=NA (Q – NA).
- [60] M. Birsan, T. Sadowski, L. Marsavina, **E. Linul**, D. Pietras (2013) Mechanical behavior of sandwich composite beams made of foams and functionally graded materials, *International Journal of Solids and Structures* (ISSN: 0020-7683), 50, 519-530, doi.org/10.1016/j.ijsolstr.2012.10.011 (WOS: 000314008900005), IF₂₀₁₃=2,035 (Q1 – Mechanics).
- [61] L. Marsavina, **E. Linul**, T. Voiconi, T. Sadowski (2013) A comparison between dynamic and static fracture toughness of polyurethane foams, *Polymer Testing* (ISSN: 0142-9418), 32, 673-680, doi.org/10.1016/j.polymertesting.2013.03.013 (WOS: 000320090700008), IF₂₀₁₃=1,816 (Q1 – Materials Science, Characterization & Testing).
- [62] **E. Linul** (Autor corespondent), L. Marsavina, Prediction of fracture toughness for open cell polyurethane foams by finite element micromechanical analysis, *Iranian Polymer Journal* (ISSN: 1026-1265), 20(9), 736-746, doi (000295947200004), IF₂₀₁₁=0,936 (Q3 – Polymer Science).

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