

Lista de lucrări

Iulia Păduraru-Graur

Teza de doctorat: Iulia GRAUR, *Studiul proprietăților mecanice ale materialelor epoxidice aditivat cu substanțe ionice prin strategii de dispersie bazate pe utilizarea ultrasunetelor*, Domeniul Inginerie Mecanică, Confirmat prin O.M. 3181/06.02.2015.

Lucrări publicate în reviste ISI:

1. Madalina Nicoleta Matei, **Iulia Graur**, S.Ciortan, Laura Cristina Rusu, A.Cîrciumaru, *Analiza rezistenței lipiturilor arcurilor incisive in ortodontică.III*, Materiale Plastice, ISSN 0025 / 5289, Vol. 52, nr. 2, iunie, 2015.
2. Oana-Roxana Ciobotariu, Vasile Bria, **Iulia Graur**, Doina-Carmina Voinescu, *Electric Conductivity of Modified Epoxies*, Revista de Chimie, ISSN 0034-7752, vol. 66 nr. 11/2015.
3. **Iulia Graur**, Ioan Bosoancă, Radu Bosoancă, Marius Bodor, Adrian Cîrciumaru, *Thermal Analzsis of Ionic Substances Doped Epoxy*, Revista de Chimie, ISSN 0034-7752, vol.66. nr.11/2015.
4. Georgel Mihiu, Ionut Mihalache, Marius Bodor, Octavian Mircea, **Iulia Graur**, *Tribological Characterization of Modified Epoxy Systems*, Materiale Plastice, ISSN 0025 / 5289, Vol. 53, nr.2, iunie, pag. 298-303, 2016.
5. Mugurel Enache, Cristian Eni, Marius Bodor, **Iulia Graur**, Claudia Ungureanu, Livia Patrascu, Adrian Circiumaru, *Nano-sized Ceramic Powders with n-type Semiconducting Properties Obtaining and analysis*, Revista de Chimie, ISSN 0034-7752, vol. 67 nr. 6, pag. 1110-1113, 2016.
6. Bodor M., Graur I., Bria V., Cantaragiu A., Circiumaru A., *Obtaining and Analysis of Different Powders to be Used as Modifying Agents in Formation of Polymers with Special Properties*, Materiale Plastice, Vol. 53, No. 3, 495-500, 2016.
7. Cristian Muntenita, Vasile Bria, Cristian Eni, Adrian Circiumaru, **Iulia Graur**, *Physical Characterization of Nano-ferrites Modified Epoxy Resins*, Materiale Plastice, ISSN 0025 / 5289, Vol.53, No.3, pp. 509-511, 2016.
8. C. Munteniță, C. Eni, **I. Graur**, C. Ungureanu, M. Bodor, *A study of friction wear behaviour of nano-ferite modified epoxy resins*, 13th International Conference on Tribology (ROTRIB'16), Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012025, doi:10.1088/1757-899X/174/1/012025, Published: 2017.
9. Georgel Mihiu, Ionuț Mihalache, **Iulia Graur**, Claudia Ungureanu, Vasile Bria, *Comparative study regarding friction coefficient for three epoxy resins*, 13th International Conference on Tribology (ROTRIB'16), Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012024, doi:10.1088/1757-899X/174/1/012024 Published: 2017.
10. I Bălan, R Bosoancă, A Căpățină, **I Graur**, V Bria, C Ungureanu, *A study regarding friction behaviour of lysine and isoleucine modified epoxy matrix*, 13th International Conference on Tribology (ROTRIB'16) Book Series: IOP Conference Series-Materials Science and



- Engineering Volume: 174 Article Number: UNSP 012023, doi:10.1088/1757-899X/174/1/012023, Published: 2017.
11. Cristian Muntenita, Claudia Ungureanu, Vasile Bria, **Iulia Graur**, *Specific heat of nano-ferrites modified composites*, MATEC Web Conf., Vol. 12, eISSN: 2261-236X, Advanced Materials, 21st Innovative Manufacturing Engineering & Energy International Conference – ImanE&E 2017, article no. 04016, doi.org/10.1051/mateconf/201711204016, 2017.
 12. Cristian Muntenita, Adrian Circiumaru, Vasile Bria, Cezar Ionut Bichescu, **Iulia Graur**, *Functional Surfaces Modified with Gelatin and TiO₂ Nanoparticles*, Materiale Plastice, Vol. 55, No. 3, pp.258-262, 2018.
 13. Vasile Bria, Cristian Muntenita, **Iulia Graur**, *Bending and Compressive Analysis of Epoxy Resins Modified with Low-polar Solvent Solution of Polysulphone*, Materiale Plastice, Vol. 55, No. 3, pp. 295-298, 2018.
 14. Păduraru, I., Săracu, G., Bogdan, M., **Graur, I.**, Munteniță, C., & Cîrciumaru, *Effects of organic compounds and nickel nitrate on friction coefficient of thermosetting*. IOP Conference Series: Materials Science and Engineering. Vol. 724. No. 1. IOP Publishing, 2020. doi:10.1088/1757-899X/724/1/012016.
 15. **Iulia, P. G.**, Dragomir, C. M. B., & Păduraru, I., *Importance of the Basic Reactions in the Manufacture of Synthetic Resins*. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 65(4S), 2023.
 16. Păduraru, I., Ojoc, G. G., Petrescu, H., **Graur, I.**, Pîrvu, C., & Deleanu, L., *The Behavior of Glass Fiber Composites under Low Velocity Impacts*. *Polymers*, 15(23), 4549, 2023.
 17. Păduraru, I., **Graur, I. P.**, & Dragomir, C. M. B., *Recent Advances and Future Prospects in Advanced Manufacturing Processes*. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 66(5), 2023.
 18. Carmelia Mariana Bălănică Dragomir, Geanina Marcela Podaru, **Iulia Păduraru Graur**, Cristian Munteniță, *A Possible Link Between Forest Exploitation and Greenhouse Gases in Romania Between 2008- 2020*, Inżynieria Mineralna—STYCZEŃ—CZERWIEC 2024 JANUARY—JUNE—Journal of the Polish Mineral Engineering Society 1 WMESS 2024 - World Multidisciplinary Earth Sciences Symposium, 2024.

Alte publicații (articole BDI, B, altele):

1. Anca Stefan, **Iulia Graur**, George Balan, *The physical and chemical indicators at the ultrasound treatment of water with poly aluminum chloride*, Annals of “Dunărea de Jos” University of Galați Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year III (XXXIV), Special Issue pag. 164-171, 2011.
2. **Iulia Graur**, Magdalena Tenciu, *Investigations of ultrasound system used for water and sludge antibacterial treatment*, Annals of “Dunărea de Jos” University of Galați Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year III (XXXIV), No. 2.p 290-293, 2012.
3. Balan George, **Graur Iulia**, Bahrim Gabriela, *The air-jet ultrasonic aerosol generator destined for antimicrobial treatment of biofilms formed on surfaces in food industry*, JESR vol. 18, nr. 4, pag. 25-31, 2012.
4. **Graur Iulia**, Balan George, *Sonic activation of water derived from aquaculture and microbiological effect*, Pross. of Conf.Int. "Modern technologies in the food industry- "MTFI", Chisinau, 1-3 noiembrie, Vol I, pag.355-361, 2012.
5. Balan Valeriu, **Graur Iulia**, Balan George, *Sonic treatment of beer wort stabilized with silicagel*, Pross.Conf.Int. "Modern technologies in the food industry-2012 "MTFI, Chisinau, 1-3 noiembrie, Vol I, pag. 224-229, 2012.



6. Valeriu Balan, **Julia Graur**, George M. Balan, *The sonic technology in the beer industry*, The Annual Symposium of the Institute of Solid Mechanics SISOM and Session of the Commission of Acoustics, Bucharest, May 30-31, pag 351-357, 2012.
7. **Julia Graur**, Olga Martin-Belloso, *Effects of Air-Jet Stem Generator and UP400S Treatment on Vitamin C, Colour and pH of Grapefruit Juice*, International Journal of Engineering Science and Innovative Technology (IJESIT), Vol 2, Issue 5, Septembrie 2013.
8. **Julia Graur**, Vasile Bria, Adrian Cîrciumaru, Iulian-Gabriel Bîrsan, *Electrical Properties of Ultra sonicated Epoxy Resin*, The Annals of "Dunarea de Jos", University of Galati, Fascicle IX, Metallurgy and Materials Science, nr.1, ISSN 1453-083X, 2015.
9. **Julia Graur**, Georgel Mihiu, Vasile Bria, Adrian Cîrciumaru, Iulian-Gabriel Bîrsan, *Compressive Behavior of Ultra-sonicated Starch/Carbon black/Epoxy Composites*, The Annals of "Dunarea de Jos", University of Galati, Fascicle IX, Metallurgy and Materials Science, nr.2, ISSN 1453-083X, 2015.
10. Ioan Bosoanca, Radu Bosoanca, **Julia Graur**, Ionut Mihalache, Marius Bodor, Adrian Cîrciumaru, Vasile Bria, *Properties of Organic Diluted Epoxy Matrix*, FIT 2015 Proceedings, ISBN 978-619-167-178-6, 2015.
11. Mihai Boțan, Ioan Bosoancă, Radu Bosoancă, **Julia Graur**, Ionuț Mihalache, Marius Bodor, Vasile Bria, *Abrasive wear of salts doped epoxy composites*, *Tribological Journal Bultrib*, Vol. V, No.5, pp.119-124, Sozopol, Bulgaria 2015.
12. **Julia Graur**, George Balan, Anca Serban, Nicoleta Ciobotaru, Experimental study of the air-jet steam generator, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE XIV MECHANICAL ENGINEERING, ISSN 1224-5615, 2015.
13. Mihai Boțan, Ioan Bosoancă, Radu Bosoancă, **Julia Graur**, Ionuț Mihalache, Marius Bodor, Vasile Bria, *Abrasive wear of salts doped epoxy composites*, 11th International Conference on Tribology, BULTRIB'15, 11-13 septembrie, Sozopol, Bulgaria, 2015.
14. C. Munteniță, M. Bodor, C. Ungureanu, V. Bria, A. Cîrciumaru, **I. Graur**, *Tribological properties of ultra-sonicated alkaline ion doped epoxy*, Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XIV– Fascicule 3 [August], ISSN: 1584-2665, pp.125-128, 2016.
15. Munteniță C., Graur I., Boboc A., Ungureanu C., Bria V., *Compressive Behavior of Nanoferrite Modified Epoxy Resins*, The Romanian Review Precision Mechanics, Optics & Mechatronics, Issue 50, pp. 131-135, 2016.
16. Muntenița, C., **Graur, I.**, Boboc, A., Ungureanu, C., & Bria, V., *Compressive Behavior of Nanoferrite Modified Epoxy Resins*, Romanian Review Precision Mechanics, Optics & Mechatronics, (50), 131, 2016.
17. **Julia Graur**, Cristian Munteniță, Ana Boboc, Claudia Ungureanu, Cristian Eni, Vasile Bria, *Friction Coefficient of Organic Solvents and Polyurea Modified Epoxy System*, Tribological Journal BULTRIB Vol. 6, 2016.
18. **I. Graur**, C. Munteniță, C. Ungureanu, V. Bria, Friction Coefficient of Potassium and Sodium Dichromate Doped Epoxy, Bulletin of the Transilvania University of Brasov, Proceedings of the IXth International Conference on Product Design, Robotics, Advanced Mechanical and Mechatronic Systems and Innovation PRASIC, Vol.9,(58) Series I, No.2, Special Issue, pp.145-153, ISSN 2065-2119, 2016.
19. C. Munteniță, C. Ungureanu, V. Bria, **I. Graur**, *Bending Behaviour of Nano-ferrites Modified Epoxy Resins*, The 40th International Conference on Mechanics of Solids, Acoustics and Vibrations & The 6th International Conference on “Advanced Composite Materials Engineering” ICMSAV2016& COMAT2016, ISSN 1844-9336, pp.262-266, 2016.



20. Cristian Muntenita, Vasile Bria, **Iulia Graur**, *Bending properties of doped epoxy resin*, TEHNOMUS Journal, New Technologies and Products in Machine Manufacturing Technologies, Ștefan cel Mare University of Suceava Publishing House, no.24, pp. 43-47, ISSN 1224-029X, 2017.
21. Vasile Bria, **Iulia Graur**, Cristian Eni, Cristian Munteniță, Adrian Cîrciumaru, Friction Coefficient of Modified Epiphen Resin, Proceedings of 15th International Conference on Tribology, Kragujevac, Serbia, pp.37-41, 17 – 19 May 2017.
22. **Iulia Graur**, Mara Dimofte, Cristian Munteniță, Radu Bosoancă, Vasile Bria, Marina Bunea, Friction Coefficient of Reinforced Epoxy Laminates, Proceedings of 15th International Conference on Tribology, Kragujevac, Serbia, pp.157-162, 17 – 19 May 2017.
23. Cristian Munteniță, Vasile Bria, Adrian Cîrciumaru, **Iulia Graur**, *Water absorption behaviour of reinforced epoxy laminates*, The 4th International Conference Sea-Conf, Constanta, Romania, Scientific Bulletin of Naval Academy, Vol. XXI, ISSN-L:1454-864X, ISSN-2392-8956, Issue 1, doi: 10.21279/1454-864X-18-II-063, pag. 418-423, 2018.
24. Graur, I., Bria, V., Drăghici, M. S., & Munteniță, C. Friction characteristics of protein-glucose-thermoset composites. In IOP Conference Series: Materials Science and Engineering (Vol. 514, No. 1, p. 012013). IOP Publishing, (2019, May).
25. Iulian Păduraru, **Iulia P. Graur**, Lorena Deleanu, *Tribology of electric vehicles - a review*, SERBIATRIB '23, 18th International Conference on Tribology 17 – 19 May 2023, Kragujevac, Serbia, PROCEEDINGS, ISBN: 978-86-6335-103-5, pp: 629-634, 2023.
26. **Graur, I.**, *A comprehensive review and implications of natural composite materials for environmental protection*. Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației, 10, 431-436, 2023.
27. Păduraru, I., Ojoc, G. G., Păduraru-Graur, I., Petrescu, H., & Deleanu, L., Analyzing Impact Behaviour of Glass Fiber Epoxy Composites for Higher Safety Systems. In International Conference Knowledge-Based Organization (Vol. 29, No. 3, pp. 56-64), 2023.
28. Lorena Deleanu, Constantin Georgescu, George Catalin Cristea, Traian Florian Ionescu, Dionis Guglea, George Ghiocel Ojoc, Dumitru Dima, **Iulia Paduraru**, *Standardization in tribology*, SERBIATRIB '23, 18th International Conference on Tribology 17 – 19 May 2023, Kragujevac, Serbia, PROCEEDINGS, ISBN: 978-86-6335-103-5, pp:17-38, 2023.

Prezentări la conferințe naționale și internaționale:

1. Bălan George, **Graur Iulia**, Bahrim Gabriela, *The air-jet ultrasound aerosol generator with antimicrobial effects on biofilms formed on surfaces of food industry*, The 9th International Conference OPROTEH “Vasile Alecsandri” University of Bacău, May 24-26, 2011.
2. Anca Ștefan, **Graur Iulia**, George Bălan, *The physical and chemical indicators at the ultrasound treatment of water with poly aluminum chloride*, The 10th International Conference on Colloids and Surfaces Chemistry June 9th-11th, 2011.
3. **Graur Iulia**, Tenciu Magdalena, *Investigations of ultrasound system used for water and sludge antibacterial treatment*, The PhD Student Symposium 8th December "Dunărea de Jos" University of Galați, 2011.
4. Valeriu Bălan, **Iulia Graur**, George Bălan, *The sonic technology in the beer industry*, The Annual Symposium of the Institute of Solid Mechanics SISOM and Session of the Commission of Acoustics, Bucharest, May 30-31, 2012.



5. **Graur Iulia**, Bălan George, *Sonic activation of water derived from aquaculture and microbiological effect*, Pross.Conf.Int. "Modern technologies in the food industry-"MTFI, Chișinău, 1-3 noiembrie 2012.
6. Bălan Valeriu, **Graur Iulia**, Bălan George, *Sonic treatment of beer wort stabilized with silicagel*, Pross.Conf.Int. "Modern technologies in the food industry-"MTFI, Chișinău, 1-3 noiembrie 2012 .
7. **Iulia Graur**, Grigore Roman, Vasile Bria, Adrian Cîrciumaru, Iulian-Gabriel Bîrsan, *Electrical Properties of Ultrasonicated Epoxy Resin*, Conferința Științifică a Școlilor Doctorale, ediția a II-a, Universitatea "Dunărea de Jos" Galați, 15-16 Mai 2014.
8. **Iulia Graur**, Grigore Roman, Vasile Bria, Adrian Cîrciumaru, Iulian-Gabriel Bîrsan, *Compressive Behavior of Ultrasonicated Starchi/Carbon Black/ Epoxy Composites*, Conferința Științifică a Școlilor Doctorale, ediția a II-a, Universitatea "Dunărea de Jos" Galați, 15-16 Mai 2014.
9. Ioan Bosoancă, Radu Bosoancă, **Iulia Graur**, Adrian Cîrciumaru, *Ion doped epoxy resin*, UGAL INVENT, The first event supporting innovation promoted by Dunarea de Jos University of Galați, România, 8-10 October 2014.
10. **Iulia Graur**, Ioan Bosoancă, Radu Bosoancă, Adrian Cîrciumaru, Marius Bodor, *Effect of ultrasonication on some properties of ionic substances doped epoxy*, Swerea/SICOMP Conference, 1-2 iunie, Gothenburg, 2015.
11. **Iulia Graur**, Claudia Ungureanu, Marius Bodor, Adrian Cîrciumaru, Vasile Bria, *Memory Shape Polymers*, UGAL INVENT, Research and Innovation Exhibition, Dunarea de Jos University of Galați, România, 7 – 9 October 2015.
12. Claudia Ungureanu, Marius Bodor, **Iulia Graur**, Adrian Cîrciumaru, Vasile Bria, *Carbon filled polymers*, UGAL INVENT, Research and Innovation Exhibition, Dunarea de Jos University of Galați, România, 7 – 9 October 2015.
13. Mihai Boțan, Ioan Bosoancă, Radu Bosoancă, **Iulia Graur**, Ionuț Mihalache, Marius Bodor, Vasile Bria, *Abrasive wear of salts doped epoxy composites*, 11th International Conference on Tribology, BULTRIB'15, 11-13 septembrie, Sozopol, Bulgaria, 2015.
14. Ioan Bosoancă, Radu Bosoancă, **Iulia Graur**, Ionuț Mihalache, Marius Bodor, Adrian Cîrciumaru, Vasile Bria, *Properties of Organic Diluted Epoxy Matrix*, FIT, International Scientific Conference of Faculty of Industrial Technology, 11-13 septembrie, Sozopol, Bulgaria, 2015.
15. Sorin Strătilă Dorin, Marius Bodor, **Iulia Graur**, Vasile Bria, Marina Bunea, Alina Cantaragiu, Adrian Cîrciumaru, *Obtaining and analysis of different powders for utilisation as additives in formation of polymers with special properties*, International Conference of Young Researchers, New Trends in Environmental and Materials Engineering, TEME 21 - 23 october, Galați, Romania, 2015.
16. Ionuț Mihalache, Claudia Ungureanu, Alina Cantaragiu, **Iulia Graur**, Marius Bodor, Vasile Bria, Adrian Cîrciumaru, *Lysine modified epoxies*, International Conference of Young Researchers, New Trends in Environmental and Materials Engineering, TEME 21 - 23 october, Galați, Romania, 2015.
17. I. Bosoancă, R. Bosoancă, G. Mișu, M. Bodor, C. Munteniță, I. Mihalache, **I. Graur**, C. Ungureanu, A. Cîrciumaru, V. Bria, *Tribological behaviour of in situ nanostructured polymers*, VIII International Conference BALTTTRIB', 26-27 November, Akademija, Kaunas, Lithuania, 2015.
18. M. Bunea, I. Bosoancă, R. Bosoancă, G. Mișu, M. Bodor, C. Munteniță, **I. Graur**, C. Ungureanu, A. Cîrciumaru, V. Bria, *Tribological behaviour of stratified composites*, VIII International conference BALTTTRIB', 26-27 November, Akademija, Kaunas, Lithuania, 2015.
19. C. Munteniță, M. Bodor, C. Ungureanu, V. Bria, A. Cîrciumaru, **I. Graur**, *Tribological properties of ultra-sonicated alkaline ion doped epoxy*, 1st International Conference Experimental Mechanics Engineering, 8-9 June 2016, EMECH, Brașov, Romania, 2016.



20. Cristian Munteniță, Claudia Ungureanu, Vasile Bria, Marius Bodor, **Iulia Graur**, *Water absorption behaviour of nano-ferrites modified epoxy resins*, 16th International Balkan Workshop on Applied Physics and Materials Science 7-9 July 2016 Constanta, Romania.
21. C. Munteniță, **I. Graur**, A. Boboc, C. Ungureanu, V. Bria, *Compressive Behavior of Nanoferrite Modified Epoxy Resins*, 8th International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development MECAHITECH'16 International Conference Bucharest, Romania September 8th-9th, 2016.
22. Georgetel Mișu, Ionuț Mihalache, **Iulia Graur**, Claudia Ungureanu, Vasile Bria, *Comparative study regarding friction coefficient for three epoxy resins*, 13th International Conference on Tribology, ROTRIB 16, 22-24 september, Galati, 2016.
23. I. Bălan, R. Bosoancă, A. Căpățină, **I. Graur**, V. Bria, C. Ungureanu, *A study regarding friction behaviour of lysine and isoleucine modified epoxy matrix*, 13th International Conference on Tribology, ROTRIB 16, 22-24 september, Galati, 2016.
24. C. Munteniță, C. Eni, **I. Graur**, C. Ungureanu, M. Bodor, *A study of friction wear behaviour of nanoferrite modified epoxy resins*, 13th International Conference on Tribology, ROTRIB 16, 22-24 september, Galati, 2016.
25. **Iulia Graur**, Cristian Munteniță, Ana Boboc, Claudia Ungureanu, Cristian Eni, Vasile Bria, *Friction Coefficient of Organic Solvents and Polyurea Modified Epoxy System*, International Conference BULTRIB '16, 27-29 October 2016, Sofia, Bulgaria, Society of Bulgarian Tribologists, FIT – Technical University of Sofia.
26. **I. Graur**, C. Munteniță, C. Ungureanu, V. Bria, *Friction Coefficient of Potassium and Sodium Dichromate Doped Epoxy*, IXth International Conference on Product Design, Robotics, Advanced Mechanical and Mechatronic Systems and Innovation PRASIC PRASIC 2016, Brașov, November 10-11, 2016.
27. C. Munteniță, C. Ungureanu, V. Bria, **I. Graur**, *Bending Behaviour of Nano-ferrites Modified Epoxy Resins*, The 6th International Conference on “Advanced Composite Materials Engineering” ICMSAV2016 & COMAT2016 Brasov, ROMANIA, 24-25 November 2016.
28. **Iulia Graur**, Claudia Ungureanu, Cristian Munteniță, Vasile Bria, *The specific heat of ionic substances filled epoxy matrix formed by ultra-sonication strategies*, XXI Symposium "Composites 2017 - Theory and Practice", Cedzyna, Kielce, Polonia, 26-28 April 2017.
29. Cristian Munteniță, Vasile Bria, **Iulia Graur**, *Bending properties of doped epoxy resin*, The 19th International Conference New Technologies and Products in Machine Manufacturing Technologies, Suceava – Romania, May 12-13, 2017.
30. Vasile Bria, **Iulia Graur**, Cristian Eni, Cristian Munteniță, Adrian Cîrciumaru, *Friction Coefficient of Modified Epiphene Resin*, 15th International Conference on Tribology, Kragujevac, Serbia, 17 – 19 May 2017.
31. **Iulia Graur**, Mara Dimofte, Cristian Munteniță, Radu Bosoancă, Vasile Bria, Marina Bunea, *Friction Coefficient of Reinforced Epoxy Laminates*, 15th International Conference on Tribology, Kragujevac, Serbia, 17 – 19 May 2017.
32. Cristian Munteniță, Claudia Ungureanu, Vasile Bria, **Iulia Graur**, *Specific Heat of Nano-Ferrites Modified Epoxy Resins*, The 21th edition of IManEE 20 International Conference, May 25-26, 2017 Iasi, Romania.
33. Vasile Bria, **Iulia Graur**, Cristian Munteniță, Adrian Cîrciumaru, *Thermal analysis of modified epoxy systems*, Danube Vltava Sava Polymer Meeting, DVSPM 5-8 Septembrie, Viena, Austria 2017.



34. Cîrciumaru, A., Bîrsan, I. G., **Graur, Iulia**, Bosoancă, R., *Tribological Analysis of Aminoacids Modified Epoxy Resins*, BalkanTRIB'17, 9th International Conference on Tribology, 13-15 septembrie 2017, Cappadocia, Turkey.
35. **Iulia, Graur**, V.Bria, A. Cîrciumaru, Maria,Pascal, C. Munteniță, *Study on tribological properties of epoxy matrix composites modified with different mixture of glucose, gelatine and gluten*, 4th International Conference of Young Recherches, New Trends In Environmental and Materials Engineering, 25-27 October, Galați, România, 2017.
36. C. Munteniță, Cristina,Munteanu, A. Cîrciumaru, V. Bria, **Iulia, Graur**, *Mechanical properties of epoxy matrix composites modified with different mixture of organic agents*, 4th International Conference of Young Recherches, New Trends In Environmental and Materials Engineering, 25-27 October, Galați, România, 2017.
37. **Iulia Graur**, Cristian Munteniță, Vasile Bria, Adrian Cîrciumaru, *Effect of Composition on Friction Coefficient of Tryptophan Composites*, TURKEYTRIB'18 2nd International Conference on Tribology, Istanbul, Turkey, April 18-20, 2018.
38. Cristian Munteniță, Vasile Bria, Adrian Cîrciumaru, **Iulia Graur**, *Water absorption behaviour of reinforced epoxy laminates*, The 4th International Conference Sea-Conf, Constanta, Romania, 17-19 mai, 2018.
39. Irina Danaila, Radu Bosoanca, Violeta Sava, **Iulia Graur**, *Polymer Mixtures*, The Sixth Edition of Scientific Conference of Doctoral Schools, SCDS-UDJG 2018, Galati, Romania, 7th-8th of June, 2018.
40. **Iulia Graur**, Mihail Bogdan, Cristian Munteniță, Vasile Bria, Adrian Cîrciumaru, *Preparation and characterization of organic-inorganic complexes modified epoxy resins*,The Main Event for Young Materials Scientist, FEMS Junior EUROMAT 2018, 8-12 iulie, Budapesta,Ungaria, 2018.
41. **Iulia Graur**, Vasile Bria, Cristian Muntenita, *Friction coefficient of Epiphen epoxy system filled with powder resulting from the grinding of pine needles*, ICMEMS 2018 :20th International Conference on Mechanical Engineering and Materials Science Amsterdam, The Netherlands, Word Academy of Science, Engineering and Technology International Journal of Mechanical and Materials Engineering, Vol.12,No.8, August 06-07, 2018.
42. Cristian Munteniță, Marian Sebastian Drăghici, Violeta Sava, Vasile Bria, Adrian Cîrciumaru, **Iulia Graur**, *Three-point bending behaviour of organic modified composites*, The 35th Danubia-Adria Symposium on Advances in Experimental Mechanics,25-28 September 2018, Sinaia, Romania.
43. **I Graur**, V Bria, M S Drăghici and C Munteniță, *Friction characteristics of protein-glucose-thermoset composite*, PRASIC Brașov 2018.
44. Irina Dănăilă, Tamara Apareci, **Iulia Graur**, Iulian Gabriel Bîrsan, *Thermo-mechanical analysis of inorganic agents modified polymers*, Scientific Conference of Doctoral Schools SCDS-UDJG, 7th Edition, Galați 13-14 June, 2019.
45. Irina Dănăilă, Tamara Apareci, **Iulia Graur**, Iulian Gabriel Bîrsan, *Specific heat of inorganic agents modified polymers*, Scientific Conference of Doctoral Schools SCDS-UDJG, 7th Edition, Galați 13-14 June, 2019.
46. Iulian Paduraru, Gabriel Saracu, Mihail Bogdan, **Iulia Graur**, Cristian Muntenita, Adrian Cîrciumaru, *Effects of organic compounds and nickel nitrate on friction coefficient of thermosetting-* prezentare orală, ROTRIB19, The Leading International Conference on TRIBOLOGY, 2019, Cluj-Napoca, ROMANIA.
47. **Iulia Păduraru-Graur**, The impact of forestry, logging and wood processing on the air quality in Romania, International Summer Conference, ICCR, June 2-4, 2022, Chișinău, Republica Moldova.



48. **Iulia, P. G.**, DRAGOMIR, C. M. B., & PĂDURARU, I., *Importance of the basic reactions in the manufacture of synthetic resins*, Innovative Manufacturing Engineering & Energy, IManEE2022 17-19 Noiembrie 2022, Iași.
49. Iulian Păduraru, **Iulia P. Graur**, Lorena Deleanu, *Tribology of electric vehicles - a review*, SERBIATRIB '23, 18th International Conference on Tribology, Kragujevac, Serbia, 17 – 19 May 2023
50. Lorena Deleanu, Constantin Georgescu, George Catalin Cristea, Traian Florian Ionescu, Dionis Guglea, George Ghiocel Ojoc, Dumitru Dima, **Iulia Paduraru**, *Standardization in tribology*, SERBIATRIB '23, 18th International Conference on Tribology, Kragujevac, Serbia, 17 – 19 May 2023
51. Iulian Păduraru, **Iulia P. Graur** and Carmelia Mariana Bălănică Dragomir, *Applying Eco-Tribology Principles for Sustainable Management of Natural Resources and Ecosystem Services*, TURKEYTRIB 2023 (4rd INTERNATIONAL CONFERENCE ON TRIBOLOGY) 25 to 27 May 2023.
52. **Iulia Păduraru-Graur**, *A comprehensive review and implications of natural composite materials for environmental protection*, Conferința Științifică Internațională „Perspectivele și problemele integrării în Spațiul European al Cercetării și Educației”, ediția a X-a, 7 iunie 2023, Cahul, Republica Moldova.
53. Păduraru, I., Ojoc, G. G., **Graur P., I.**, Petrescu, H., Deleanu, L. (2023). *Analyzing Impact Behaviour of Glass Fiber Epoxy Composites for Higher Safety Systems*. In International conference Knowledge-Based Organization (Vol. 29, No. 3, pp. 56-64).
54. Carmelia Mariana Bălănică Dragomir, Geanina Marcela Podaru, **Iulia Păduraru Graur**, Cristian Munteniță, *A Possible Link Between Forest Exploitation and Greenhouse Gases in Romania Between 2008-2020*, "8th World Multidisciplinary Earth Sciences Symposium – WMESS 2023
55. Iulian Păduraru, George Ghiocel Ojoc, Horia Petrescu, **Iulia Graur**, Lorena Deleanu, *Compozite pe bază de țesături multiaxiale de fibre de sticlă, rezistente la impact de viteză mică*, UGALINVENT, 9-10 NOIEMBRIE 2023, Galați.
56. **Iulia Păduraru Graur**, Mariana Carmelia Bălănică Dragomir, *Application of biomimetic smart composite materials in biomedical engineering-a review*, October 19-21 2023, ICCR Cahul - Republic of Moldova
57. Mariana Carmelia Bălănică Dragomir, **Iulia Păduraru Graur**, Geanina Marcela Podaru, *Comparative analysis of agricultural area arranged with irrigation systems in Romania*, October 19-21 2023, ICCR Cahul - Republic of Moldova.
58. Alina Ceoromila, Geanina Podaru, **Iulia Păduraru-Graur** *Exploring the microstructure of composite materials with SEM imaging technique: a review*, INTERVENT, October 19th–20th, 2023 GALATI, ROMANIA
59. Păduraru Iulian, **Păduraru Graur Iulia**, Bălănică Dragomir carmelia Mariana, *Recent advances and future prospects in advanced manufacturing processes: review*, The 27th Edition of INNOVATIVE MANUFACTURING ENGINEERING & ENERGY CONFERENCE, October 12-14, 2023, Chisinau, Republic of Moldova
60. **P.-Graur Iulia**, *Analysis of digital work in production systems*, Conferința Științifică Internațională „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”, ediția a XI-a, Cahul, 6 iunie, 2024.
61. **P.-Graur Iulia**, Podaru Geanina Marcela, Păduraru Iulian, Bălănică Dragomir Mariana Carmelia, Ceoromila Alina, *Bioplastics development*, Conferința Științifică Internațională „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”, ediția a XI-a, Cahul, 6 iunie, 2024.



Cărți

1. **Iulia Păduraru-Graur**, *Tendențe moderne pentru materiale și proiectare în tribologie*, suport de curs, Editura Fundației Universitare „Dunărea de Jos” Galați, ISBN 978-973-627-697-2, 2024.
2. **Iulia Păduraru-Graur**, *Tendențe moderne pentru materiale și proiectare în tribologie*, îndrumar de laborator, Editura Fundației Universitare „Dunărea de Jos” Galați, 2024, ISBN 978-973-627-698-9, 2024.
3. **Iulia Păduraru-Graur**, Geanina Marcela Podaru, *Materiale nemetalice*, suport de curs, Editura Fundației Universitare „Dunărea de Jos” Galați, ISBN 978-973-627-700-9, 2024.
4. **Iulia Păduraru-Graur**, Geanina Marcela Podaru, *Materiale nemetalice*, îndrumar de laborator, Editura Fundației Universitare „Dunărea de Jos” – Galați, ISBN 978-973-627-699-6, 2024.
5. **Iulia Păduraru Graur**, *Studiul proprietăților mecanice ale materialelor epoxidice aditivitate cu substanțe ionice prin strategii de dispersie bazate pe utilizarea ultrasunetelor*, Editura Galati University Press, ISBN 978-606-696-266-7, 2023.
6. **Iulia Păduraru Graur**, Iulian Păduraru, *Modelarea și simularea sistemelor de producție*, suport de curs, Editura Fundației Universitare „Dunărea de Jos” Galați, ISBN 978-973-627-684-2, 2023.
7. **Iulia Păduraru Graur**, Iulian Păduraru, *Modelarea și simularea sistemelor de producție*, îndrumar de laborator, Editura Fundației Universitare „Dunărea de Jos” Galați, ISBN 978-973-627-685-9, 2023.
8. **Iulia P. Graur**, Iulian Păduraru, *Polymeric Composite Materials*, Ed. Lambert, ISBN 978-620—5-52898-3, 2023.
9. **Iulia P. Graur**, *First Steps in Modeling and Simulation of Production Systems*, Ed. Lambert, ISBN 978-620-6-15374-0, 2023.
10. Cristian Munteniță, **Iulia P. Graur**, *Corrosion Process on Materials and its Effects on the Environment*, ISBN 978-613-9-95183-3, 2018.

S. I. dr. ing. **Iulia PĂDURARU-GRAUR**

