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Gradul didactic: Asistent universitar doctor inginer  
Instituția unde este titular: Universitatea ”Ștefan cel Mare” din Suceava  
Facultatea: Inginerie Mecanică, Autovehicule și Robotică  
Departamentul: Mecanică și Tehnologii

**LISTA**  
**lucrărilor științifice în domeniul disciplinelor din postul didactic**

**A. Teza de doctorat**

Ioan TAMAȘAG, Contribuții la Studiul Fenomenului de Frecare la Așchiera cu Scule cu Tăiș a Materialelor Dure, conducător științific prof.univ.dr.ing. Dumitru AMARANDEI, Universitatea Ștefan cel Mare Suceava, Domeniul Inginerie Industrială, 2021

**B. Cărți și capitole în cărți publicate în ultimii 10 ani**

B1. Traian Lucian Severin, Tamașag Ioan, Tehnologii de prelucrare prin Deformare plastică la Rece, Editura Universității ”Ștefan cel Mare” Suceava, 2024, ISBN 978-973-666-815-9, pag. 186

B2. Dumitru Amarandei, Irina Beșliu-Băncescu, Delia-Aurora Cerlincă, Ioan Tamașag, Echipamente și Tehnologii de Fabricație, Editura Universității ”Ștefan cel Mare” Suceava, 2025, ISBN 978-973-666-837-1, pag. 234

**C Lucrări indexate ISI/BDI publicate în ultimii 10 ani**

C1. Cerlincă, DA., Tamașag, I., Beșliu-Băncescu, I. et al. Experimental investigation of FDM manufacturing of 316 l stainless steel. Int J Adv Manuf Technol 135, 1449–1463 (2024). <https://doi.org/10.1007/s00170-024-14602-8>, WOS:001335710100004

C2. Beșliu-Băncescu, Irina, Tamașag, Ioan, Heat Treatment Effect on Some Mechanical Properties of FDM-Manufactured PCL Wood-Based Biopolymer, Advances in Polymer Technology, 2024, 7432507, 15 pages, 2024. <https://doi.org/10.1155/2024/7432507>, WOS:001258096800001

C3. Beșliu-Băncescu, I., Tamașag, I. & Slătineanu, L. The influence of the machining strategy on milling of polyetheretherketone (PEEK). Int J Adv Manuf Technol 132, 2773–2785 (2024). <https://doi.org/10.1007/s00170-024-13544-5>, WOS:001196264700002

C4. Alaci, S.; Ciornei, F.-C.; Romanu, I.-C.; Doroftei, I.; Bujoreanu, C.; Tamașag, I. A Rapid and Inexpensive Method for Finding the Basic Parameters of Involute Helical Gears. Appl. Sci. 2024, 14, 2043. <https://doi.org/10.3390/app14052043>, WOS:001182247700001

C5. Alaci, S.; Ciornei, F.-C.; Romanu, I.-C.; Doroftei, I.; Bujoreanu, C.; Tamașag, I. A New Direct and Inexpensive Method and the Associated Device for the Inspection of Spur Gears. Machines 2023, 11, 1046. <https://doi.org/10.3390/machines11121046>, WOS:001130835100001

C6. Tamașag, I.; Beșliu-Băncescu, I.; Severin, T.-L.; Dulucheanu, C.; Cerlincă, D.-A. Experimental Study of In-Process Heat Treatment on the Mechanical Properties of 3D Printed Thermoplastic Polymer PLA. Polymers 2023, 15, 2367. <https://doi.org/10.3390/polym15102367>, WOS:000997732700001

C7. Beșliu-Băncescu, I.; Tamașag, I.; Slătineanu, L. Influence of 3D Printing Conditions on Some Physical–Mechanical and Technological Properties of PCL Wood-Based Polymer Parts Manufactured by FDM. *Polymers* 2023, 15, 2305. <https://doi.org/10.3390/polym15102305>, WOS:000997377000001

C8. Tamașag, I.; Suci, C.; Beșliu-Băncescu, I.; Dulucianu, C.; Cerlincă, D.-A. Experimental Study on the Possibilities of FDM Direct Colour Printing and Its Implications on Mechanical Properties and Surface Quality of the Resulting Parts. *Polymers* 2022, 14, 5173. <https://doi.org/10.3390/polym14235173>, WOS:000897411200001

C9. TAMASAG, I., AMARANDEI, D., BESLIU, I., Some Insights on Chemical Treatment of 3D Printed Parts, *Mater. Plast.*, 59(1), 2022, 18-32. <https://doi.org/10.37358/MP.22.1.5556>, WOS:000783749900002

C10. Ioan Tamașag, Irina Beșliu, and Dumitru Amarandei, Application of Reverse Engineering for Automotive Plastic Components – Case Study, *Macromol. Symp.* 2021, 395, 2000265, DOI: 10.1002/masy.202000265, WOS:000620698500005

C11. Irina Beșliu, Ioan Tamașag and Laurențiu Slătineanu, An Experimental Study on Incremental Forming Process of Polycarbonate Sheets, *Macromol. Symp.* 2021, 395, 2000282, DOI: 10.1002/masy.202000282, WOS:000620698500035

C12. Irina Beșliu, Ioan Tamașag, Effect of cooling condition over surface quality in turning of aluminium alloy 6082-T6, *IOP Conf. Series: Materials Science and Engineering* 564 (2019) 012009, doi:10.1088/1757-899X/564/1/012009, WOS:000562599900009

C13. Florina-Carmen Ciornei, Stelian Alaci, Dumitru Amarandei, Constantin Filote and Ioan Tămașag, Rigidity versus deformability hypothesis in impact dynamics, *MATEC Web of Conferences* 112, 07005 (2017), DOI: 10.1051/mateconf/201711207005, WOS:000579349600120

C14. Stelian Alaci, Florina-Carmen Ciornei, Florentin Buium, Erwin-Vasile Alexandru, Gheorghita Sopon, Ioan Tamasag, A METHOD FOR DETERMINING THE ROLLING FRICTION TORQUE IN A THRUST BEARING. PART I, *Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies* No.25 Year: 2018

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C16. I Tamașag, D Amarandei and I Beșliu, Design of a device for testing and analyzing the friction coefficient during metal cutting, *IOP Conf. Series: Materials Science and Engineering* 568 (2019) 012100, doi:10.1088/1757-899X/568/1/012100

C17. Tamașag Ioan, Beșliu Irina, Amarandei Dumitru, EXPERIMENTAL INVESTIGATION OF CUTTING FORCE VARIATION ALONG THE TOOL CUTTING EDGE, *Tehnomus*

Journal, New Technologies and Products in Machine Manufacturing Technologies No.26  
Year: 2019

C18. Tamaşag Ioan, Beşliu Irina, Amarandei Dumitru, EXPERIMENTAL INVESTIGATION ON TURNING OF CASE-HARDENED 21NiCrMo2 CEMENTATION STEEL, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.27  
Year: 2020

C19. Besliu Bancescu, I., Tamasag, I., Slatineanu, L., and Cerlinca, D., "Study of Incremental Forming Process of Polycarbonate Sheets," SAE Technical Paper 2021-01-0835, 2021, doi:10.4271/2021-01-0835

C20. Ioan TAMAŞAG, Lucian ISPAS, Claudiu Marian PICUS, Traian Lucian SEVERIN, Constantin DULUCHEANU, ANNEALING INFLUENCE ON 3D PRINTED PARTS WITH AMORFOUS STRUCTURES, Tehnomus Journal New Technologies and Products in Machine Manufacturing Technologies No.28 Year: 2021

C21. Manolache-Rusu Ioan-Cozmin, Suci Cornel, Tamaşag Ioan, Picus Claudiu-Marian, PRELIMINARY INVESTIGATIONS UPON THE INFLUENCE OF CNC MILLING STRATEGY ON HARDWOOD SURFACE PARAMETERS, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.28 Year: 2021

C22. Ioan TAMAŞAG, Irina BEŞLIU-BĂNCESCU, Traian Lucian SEVERIN, Ioan-Cozmin MANOLACHE-RUSU, Irinel Vasile EŞI, EXPERIMENTAL COMPARISON OF ABS-LIKE RESIN AND ABS FILAMENT USED IN ADDITIVE MANUFACTURING, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.29 Year: 2022

C23. Constantin DULUCHEANU, Traian Lucian SEVERIN, Delia Aurora CERLINCĂ, Ioan TAMAŞAG, Luminita IRIMESCU, LABORATORY STUDIES OF A DUAL-PHASE STEEL WITH 0.53% MN STRUCTURES, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.29 Year: 2022

C24. Lucian ISPAS, Costel MIRONEASA, Ioan TAMAŞAG, Claudiu Marian PICUS, STUDY ON THE OPTIMAL METHODS AND METHODOLOGIES USED IN INTEGRATED MANAGEMENT SYSTEMS IMPLEMENTATION RESEARCH, Tehnomus Journal New Technologies and Products in Machine Manufacturing Technologies No.29 Year: 2022"

C25. Ioan TAMAŞAG, Irina BEŞLIU-BĂNCESCU, Dumitru AMARANDEI, Traian Lucian SEVERIN, Constantin DULUCHEANU, UNIVERSAL TENSILE GRIP FOR UNI-AXIAL TESTING OF 3D PRINTED SPECIMENS, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.29 Year: 2022

C26. Ioan TAMAŞAG, Irina BEŞLIU-BĂNCESCU, Ilie MUSCĂ, A SIMPLE NON-CONTACT METHOD TO EVALUATE HIGH DEFORMABLE BODIES DEFORMATION, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.30 Year: 2023

C27. Beniuga Marius-Constantin, Tamaşag Ioan, EXPERIMENTAL STUDY ON THE OPTIMIZATION OF AIR FLOW FOR INTAKE SYSTEMS, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.30 Year: 2023"

C28. I. C. Manolache-Rusu, I. Tamaşag, and I. Beşliu-Băncescu "Surface roughness investigation of CNC pocket milling of hardwood beech", Proc. SPIE 12493, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies XI, 124931R (2 March 2023); <https://doi.org/10.1117/12.2643135>

C29. Tamaşag Ioan, Beniuga Marius-Constantin, THE USE OF REVERSE ENGINEERING FOR THE ELIMINATION OF STRESS CONCENTRATORS IN AUTOMOTIVE PARTS – CASE STUDY, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.30 Year: 2023"

C30. Irina BEŞLIU- BĂNCESCU, Ioan TAMAŞAG, DESIGN AND FABRICATION OF A BALL BURNISHING DEVICE FOR SURFACE FINISH ADAPTABLE ON A PLANT LATHE, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.30 Year: 2024

C31. Constantin DULUCHEANU, Cristian CALANCEA, Traian – Lucian SEVERIN, Delia - Aurora CERLINCĂ, Ioan TAMAŞAG, Luminita IRIMESCU, . THE INFLUENCE OF THE VOLUME FRACTION OF MARTENSITE ON THE ABSORBED ENERGY IN THE CHARPY PENDULUM IMPACT TEST OF A DUAL-PHASE STEEL WITH 1.15% Mn and 1% Cr, Tehnomus Journal, New Technologies and Products in Machine Manufacturing Technologies No.30 Year: 2024"

C32. Cerlincă, DA., Tamaşag, I., Beşliu-Băncescu, I. (2025). The Influence of Interlayer Ironing on Dimensional Accuracy of ASA MEX Manufactured Parts. In: Chiru, A., Covaciu, D. (eds) CONAT 2024 International Congress of Automotive and Transport Engineering. CONAT 2024. Proceedings in Automotive Engineering. Springer, Cham. [https://doi.org/10.1007/978-3-031-77631-1\\_22](https://doi.org/10.1007/978-3-031-77631-1_22)

**D Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)**

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**E. Brevete obținute în întreaga activitate**

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Semnătura:

