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2025	Carmen-Penelopi Papadatu, Dragos Bogdan Obreja	Simulation Regarding the Damascus Steel Behavior on Mechanical Stress	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 16-21.
2025	Valentin Bereandă, Mihaela Marin, Florin-Bogdan Marin	Design and Development of a Modular 3D-Printed Extruder for Recycled PET Filament Production	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 16-21.
2025	Rareș Avădanei, Florin-Bogdan Marin, Mihaela Marin	Investigation of Thermal Conductivity in Advanced Metallic Materials via Computational Fluid Dynamics	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 22-27.
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2025	Simona Boiciuc	Studies and Research on the Corrosion Behaviour in a 3.5% NaCl Solution of Sintered 316 Stainless Steels	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 39-46.
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2025	Florin Bogdan Marin, Daniela Laura Buruiană, Larisa Ionică, Mihaela Marin	Topology Optimization for Mass Reduction of a Structural Component in a Surgical Robotic Arm	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 51-56.
2025	Marian-Iulian Neacsu	Simulation with the Help of Matlab of the Forging Technology for the Rotor Shaft Reference of a Wind Turbine Installation	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 57-62.
2025	Daniela-Felicia Babencu, Gina Genoveva Istrate	Modernisation of Irrigation Systems – A Sustainable Solution for Efficient Water Resource Management in Agriculture	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 63-70.

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2025	Cristian-Dragoș Obreja	Evaluation of Edge Detection and Fusion Methods for Angiographic Image Processing	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 4, 2025, p. 106-110.
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2025	Mihaela Marin, Florin-Bogdan Marin	Computer Vision-Based Detection of Patterns in Textile Microscopy Images	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 2, 2025, p. 5-8.
2025	Ionel Petrea, Marian-Iulian Neacsu	Static Analysis of a Converter Vessel Using the Finite Element Method	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 2, 2025, p. 9-13.
2025	Beatrice Daniela Tudor	Studies and Research on Glass Thermoforming	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 2, 2025, p. 43-48.

2025	Mihaela Marin, Mirela Negoiaș, Florin Bogdan Marin	Development of a Real - Time Eye Blink Monitoring System Using an IR Sensor And Arduino Microcontroller	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 2, 2025, p. 49-55.
2025	Vasile Bria, Marius Bodor	Automated Processing of Mechanical Test Data for Various Composite Materials Using MATLAB	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, vol. 48, nr. 1, 2025, p. 28-38.
2025	Danut-Dragos Damian, Simona Moldovanu, Felicia-Anisoara Damian, Michael Frățița, Luminita Moraru	Signal analysis based on recurrence plots for effective driver behavior detection	Annals of the" Dunarea de Jos" University of Galati. Fascicle II, Mathematics, Physics, Theoretical Mechanics, DOI: https://doi.org/10.35219/ann-ugal-math-phys-mec.2025.1.02
2024	Beatrice Daniela Tudor, Sterian Dumitra	Study Regarding the Simulation of the Flow of a Fluid Through Pipes Intended for the Domestic Water Network, and the Causes of Their Degradation	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, nr. 2, 2024, p. 33-36
2024	Chivu Robert, Martins Jorge, Popescu, Florin, Ion Ion, Frățița Michael,	Mixtures Of Essential Oils and Alcohols With Diesel Oil Use and Impact on Engine Performance and Pollutant Emissions. A Review	Conference: Innovative Technologies In Transportation Engineering At: Ukraine, 2024, DOI: org/10.36910/conf_avto.v1i1.1395
2025	Lupchian Mariana	Study on the efficiency of the particle filter in engines with compression ignition	International Journal of Multidisciplinary and Current Educational Research (IJMCER) ISSN: 2581-7027, Volume 7, Issue 4, Pages 245-247, 2025, https://www.ijmcer.com/volume-7-issue-4/
2024	Beatrice Daniela Tudor, Băbușanu Iustina	Experimental Research on Determining the Transmittance of Lenses for Vision Correction and the Factors that Influence It	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, nr. 2, 2024, p. 37-41
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2024	Beatrice Daniela Tudor, Iustina Băbușanu,	Research on the Influence of Cleaning Products on the Quality of Optical Lens Surfaces	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science,

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2024	Marin Mihaela, Borșan Alexandra, Buruiană Laura-Daniela, Marin Florin-Bogdan	An intelligent system for temperature body monitoring using Arduino platform	The Annals of “Dunărea de Jos” University of Galați, Fascicle IX. Metallurgy and Materials Science, Nr. 3, 2024, ISSN 2668-4748; e-ISSN 2668-4756.
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2024	Marin Florin-Bogdan, Marin Mihaela	3D printing errors detection during the process	The Annals of “Dunărea de Jos” University of Galați, Fascicle IX. Metallurgy and Materials Science, Nr. 2, 2024,ISSN 2668-4748; e-ISSN 2668-4756.
2024	Mocanu Alina-Maria, Marin Mihaela, Marin Florin-Bogdan	A heart rate monitoring and notification system using Arduino platform	The Annals of “Dunărea de Jos” University of Galați, Fascicle IX. Metallurgy and Materials Science, Nr. 2, 2024, ISSN 2668-4748; e-ISSN 2668-4756.
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2024	Marin, Florin Bogdan; Buruiana, Daniela Laura; Chisman, Viorica; Marin, Mihaela	CFD modeling for urban blast simulation	INCAS Bulletin; Bucharest Vol. 16, Iss. 1, (2024): 59-64. DOI:10.13111/2066- 8201.2024.16.1.6
2024	Cristian-Dragoș Obreja	Evaluation of vessel diameters in processed medical retinal images	Int. Arch. Integr. Med., 2024; 11(12): 1-8. DOI: 10.5281/zenodo.14565458
2024	Cristian-Dragoș Obreja	Optimizing retinal vessel visualization using multiexposure fusion and adaptive contrast enhancement for improved diagnostic imaging	Int. Arch. Integr. Med., 2024; 11(11): 1-10. DOI: 10.5281/zenodo.14237852
2024	Neacșu Marian- Iulian	Experimental research on modification of mechanical properties values for heat treated welded joints	The Annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science, nr. 2, 2024, Editura Galati University Press, ISSN 2668-4748; e-ISSN 2668-4756.
2024	Neacșu Marian- Iulian	The influence of thermomechanical treatments on the mechanical properties of some Al-Zn-Mg-Cu alloys	The Annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science, nr. 4, 2024, Editura Galati University Press, ISSN 2668-4748; e-ISSN 2668-4756.
2024	Neacșu Marian- Iulian	The effect of natural ageing heat treatment on the mechanical properties of the AlZn4.5Mg1 alloy	The Annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science, nr. 4, 2024, Editura Galati University Press, ISSN 2668-4748; e-ISSN 2668-4756
2024	Neacșu Marian- Iulian	Simulation of the forging process of a bearing ring using MATLAB Software	The Annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science, nr. 4, 2024, Editura Galati University Press, ISSN 2668-4748; e-ISSN 2668-4756
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2024	Boiciuc Simona	Studies and research on the hardening of some industrial benchmarks through laser cladding	The Annals of "Dunarea de Jos" University of Galati Fascicle IX. Metallurgy and Materials Science, No. 1 - 2024, pg 43-48, ISSN 2668- 4748; e-ISSN 2668-4756.
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2023	Frățița Michael, Popescu, Florin, Rusu Eugen	The modern issues of the solar renewable energy	Technologies And Materials For Renewable Energy, Environment, And Sustainability: TMREES23Fr, AIP Conference Proceedings 3018(1), 2023, DOI:10.1063/5.0171417
2023	Gina Genoveva Istrate, Ionica Negru, Daniela-Felicia Babencu	Evaluation of Corrosion Behaviour by Gravimetric Method	The Annals of Dunarea de Jos University of Galati. Fascicle IX, Metallurgy and Materials Science, nr. 4, 2023, p. 37-41
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2022	Frățița Michael, Rusu Eugen	Cold flow simulation for a SI engine with shrouded intake valve	International Conference on Advanced Concepts in Mechanical Engineering, ACME2022 Iasi, Romania, IOP Conference Series: Materials Science and Engineering 1262, 2022, DOI:10.1088/1757-899X/1262/1/012066
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2021	Simona Boiciuc	Studies and Research on the Influence of Deposit Parameters on the Characteristics of Composite Coatings Ni-Al ₂ O ₃ obtained by Electrochemical Methods	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 3, pp. 17 - 21
2021	Simona Boiciuc	Studies and Research on Obtaining Multifunctional Thin Films by Magnetron-Assisted PVD Process	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 3, pp. 22 - 26
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2021	Marian-Iulian Neacșu	Mathematical Modeling in View of Property Prediction of DD11 Steel Laminated in LBC Liberty Galati	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 2, pp. 5- 10
2021	Marian-Iulian Neacșu	Mathematical Modeling of the Cold Rolling Process and Heat Treatment for DC01 Steel	The Annals of "Dunarea de Jos" University of Galati fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 2, pp. 35- 38
2021	Gina Genoveva Istrate, Alina Crina Mureșan	Corrosion Behavior of Materials Al5083 Alloy, 316L Stainless Steel and A681 Carbon Steel in Seawater	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 2, pp. 39-46
2021	Nelu Cazacu	Analysis of the Behavior in the Wind Tunnel of an Experimental Model of Savonius with Interlocking Cups with the Classic Ones with 2, 3 and 4 Semi-Cylindrical Cups	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol.44, nr 1, pp. 11-18

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2020	Marian Bordei	Considerations Regarding the Evolution of the Steel Thermal State in the Continuous Casting Plant	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 4, pp. 25-27
2020	Florentina Potecasu, Petrică Alexandru	Obtaining and Characterizing Phosphatic Porcelain	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 4, pp. 28-33
2020	Veaceslav Neaga, Lidia Benea	The Effect of Fluoride Containing Toothpaste on the Electrochemical Behavior of 316L Stainless Steel for Dentistry Applications in the Human Saliva	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 4, pp. 34-41
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2020	Ștefan Pintilie, Geanina Laurenția Pintilie, Ștefan Baltă	Utilization of Smartphone Light Sensors as Light Transmission Analyzer During the Obtaining of Polymeric Phase Inversion Membranes	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 3, pp. 5-9
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2020	Nelu Cazacu	The Influence of the Number of Semi- Cycindrical Cups on the Behavior of an Experimental Model of Vertical Axis Wind Turbine at Low Wind Speed and no Load	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 3, pp. 43-53
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2020	Mircea Viorel Dragan, Beatrice Daniela Tudor	Studies and Research on the Control of the Residual Gas Leaks in a Casting Metal Parts Workshop	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 2, pp. 11-15
2020	Marian Bordei, Bogdan Carp	Experiments Regarding Thermal and Mechanical Deformations of Continuous Cast Steel Wire	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 2, pp. 16-19
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2020	Tamara Radu	Corrosion of Galvanized Steel in Various Aqueous Environments Present in Nature	The Annals of "Dunarea de Jos" University of Galati, fascicle IX-Metallurgy and Materials Science, ISSN1453 – 083X, vol. 43, nr 2, pp. 29-33
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2020	Tamara Radu, Florentina Potecasu	Behavior on Plastic Deformation of Thin Steel Strips Coated with Electroless Ni-P	The Annals of "Dunarea de Jos" University of Galati, fascicle IX- Metallurgy and Materials Science, ISSN 1453 – 083X, vol. 43, nr 1, pp. 44-47