

Scientific publications

1. Fanel Scheaua, Silviu Nastac, (2018) On Dynamics of a Dual Vibration Insulation Device Based on Elastomeric Kernel and Rolling Friction Dissipation, Acoustics and Vibration of Mechanical Structures—AVMS-2017, Springer Proceedings in Physics, vol. 198, pp. 397-403, Publisher Springer
2. Spânu (Ștefan), G. C., Potîrniche, A., Căpățână, G., (2018) Analiza dinamică a transportoarelor vibratoare modelate ca sisteme mecanice elastice cu trei grade de libertate, Sinteze de Mecanică teoretică și aplicată, vol 9, nr. 2, ISSN 2068 – 6331
3. Spânu (Ștefan), G. C., Căpățână, G., (2018) Analiza dinamică a sistemelor 1 DOF cu reazeme elastomerice. Modelul reologic Maxwell, Sinteze de Mecanică teoretică și aplicată, vol 9, nr. 4, ISSN 2068 – 6331
4. Potîrniche, A., Căpățână, G., (2018) Theoretical and experimental analysis for a pendulum-based absorber system used in vibration isolation, “Acoustics and Vibration of Mechanical Structures – AVMS 2017”, vol. 198, pp. 349-360, ISBN: 978-3-319-69822-9, DOI: https://doi.org/10.1007/978-3-319-69823-6_41
5. L. Daschievici, D. Ghelase, (2018) Integrated Process Planning and Scheduling of Mechanical Manufacturing - International Journal of Engineering Research & Science, IJOER, vol.4, Issue 5, pp. 7-11, ISSN 2395-6992
6. D. Ghelase, L. Daschievici (2018) An Intelligent Knowledge Management for Machining System - International Journal of Engineering Research & Science, IJOER, vol.4, Issue 5, pp. 12-16, ISSN 2395-6992
7. L. Daschievici, D. Ghelase, (2018) Performance Analysis of Manufacturing System at the Operational Level - International Journal of Engineering Research & Science, IJOER, vol.4, Issue 5, pp. 7-11, ISSN 2395-6992

8. L. Daschievici, D. Ghelase, (2018) Cutting Process Control - International Journal of Innovation Engineering and Science Research, Volume 2 Issue 6, pp. 15-19, ISSN: 2581-4591
9. D. Ghelase, L. Daschievici, (2018) Contributions on Knowledge Management in Mechanical Engineering - International Journal of Innovation Engineering and Science Research, Volume 2 Issue 6 , pp. 10-14, ISSN: 2581-4591
10. Debeleac, C., Năstac, S., (2018) Computational assessments on dragline bucket oscillations, Romanian Journal of Acoustics and Vibration – RJAV, Vol. 15, No. 2, pp. 149 – 157
11. Nastac, S., Debeleac, C., (2018) Dinamica unui tractor la deplasarea peste neregularitățile unui teren agricol, Revista Sinteze de Mecanica Teoretica si Aplicata, Vol.9, Issue 2, pp. 129 – 135, ISSN 2068-6331
12. Debeleac, C., (2018) Modelarea și simularea sistemului hidraulic de acționare a unui echipament de scarificare, Revista Sinteze de Mecanica Teoretica si Aplicata, Vol.9, Issue 2, pp. 136 – 140, ISSN 2068-6331
13. Debeleac, C., (2018) Considerente teoretice cu privire la acțiunile care apar la deplasarea în pantă a încărcătorului cu cupa încărcată, Revista Sinteze de Mecanica Teoretica si Aplicata, Vol.9, Issue 4, pp. 265 – 268, ISSN 2068-6331
14. Nastac S., Debeleac C. (2018) Assessments on Operational Modal Identification Refining of a Structural Element. In: Herisanu N., Marinca V. (eds) Acoustics and Vibration of Mechanical Structures—AVMS-2017. Springer Proceedings in Physics, vol 198. Springer, Cham, DOI: https://doi.org/10.1007/978-3-319-69823-6_38
15. Ioana Diaconescu, Roxana Patrascu, Eduard Minciuc, Diana Anghelache, (2018) Monitoring Energy Consumption in Innovative Technological Processes of Plant Biostimulators Production, QUALITY-ACCESS TO SUCCESS, Volume: 19, Issue: 163, pp.127-132, WOS:000435216700017, ISSN: 1582-2559

16. Musca Anghelache, D. G.; Diaconescu, I.; Leopa, A., (2018) Power and environmental disturbances of the production process for vegetal biostimulants, 6th International Conference on Modern Technologies in Industrial Engineering, ModTech 2018; Romania; 13 June 2018 through 16 June 2018 Romania, Volume 400, Issue 2, DOI: 10.1088/1757-899X/400/2/022038, ISSN: 17578981
17. Scheaua F.D., Goanță A.M., (2018) DESIGN ASPECTS REGARDING A HYDRAULIC DISSIPATION SYSTEM ASSEMBLY MODEL AND VIRTUAL OPERATION RESULTS. International Conference ModTech 2018 - Modern Technologies in Industrial Engineering, 13-16 June 2018, Constanta, Romania, publish by IOP Conf. Series: Materials Science and Engineering, pp. 1-9
18. Muscă Anghelache D. G., (2018) Static and dynamic stability for floating cranes - 6th International Conference on Modern Technologies in Industrial Engineering, ModTech 2018, Volume 400, Issue 2, doi:10.1088/1757-899X/400/8/082015
19. Silviu Nastac, (2018) On Vibration Joint Time-Frequency Investigations of CNC Milling Machines for Tool Trajectory Task Conformity Estimation, Hindawi Shock and Vibration, <https://doi.org/10.1155/2018/7375057>
20. Nechita, P., Năstac, S., (2018) Foam-formed cellulose composite materials with potential applications in sound insulation, Journal of Composite Materials, 52(6), pp. 747-754
21. Mariana Domnica Stanciu, Adriana Savin, Silviu Marian Nastac, (2018) Mechanical and Surface Properties of Lignocellulosic Fibres Reinforced Composites, Strojnicki Vestnik/Journal of Mechanical Engineering, Volume 64, Issue 11
22. Munteanu, M.V., Stanciu, M.D., Năstac, S.M., Savin, A., (2018) Modal analysis of small turbine blade made from glass fibres composites, IOP Conference Series: Materials Science and Engineering, Volume 444, Issue 6, 29 November 2018, 8th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2018, Iasi, Romania

23. Anghelache, D. G., Diaconescu, I., Pătrașcu R., (2017) Technical and Technological Solution for Vegetal Bio-stimulants Obtaining. International Conference ModTech 2017 – Modern Technologies in Industrial Engineering IV, 14-17 June 2017, Sibiu, Romania, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 227, Article Number: UNSP 012008, DOI: 10.1088/1757-899X/227/1/012008
24. G D Anghelache and S Nastac, (2017) Computational analysis of nonlinearities within dynamics of cable-based driving systems, The International Conference Modern Technologies in Industrial Engineering - ModTech 2017, June 14-17, 2017, Sibiu, Romania, lucrare publicata in: IOP Conf. Series: Materials Science and Engineering 227 012007 doi:10.1088/1757-899X/227/1/012007
25. Roxana Patrascu, Andreea Badicu, Eduard Minciuc, Ioana Diaconescu, Horia Necula, (2017) Integration of renewable energy sources for industrial consumers, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Vol 79, Issue 3, pp.171-180, WOS:000411060700013, ISSN: 2286-3540, eISSN: 2286-3559
26. Ioana Diaconescu ; Roxana Patrascu ; Eduard Minciuc, (2017) Energy efficiency study of the paper making drying process; CIEM, 19-20 Octombrie 2017, 8th International Conference of Energy and Environment, INSPEC Accession Number: 17412299, DOI: 10.1109/CIEM.2017.8120806,
27. Eduard Minciuc, Roxana Pătrașcu, George Darie, Ioana Diaconescu, (2017) Implementation of energy efficiency programs using cogeneration based on internal combustion engines, Proceedings of the International Conference on Business Excellence, Vol. 11, Issue 1, 2017, DOI: <https://doi.org/10.1515/picbe-2017-0022>, pp.209-217, Bucharest Romania
28. Dumitrache P., Goanță A.M. (2017) Validation by numerical simulation of the behaviour of protective structures of machinery cabins subjected to standardized shocks” International Conference ModTech 2017 - Modern Technologies in Industrial Engineering V, 14-17 June 2017, Sibiu, Romania, publish by IOP Conference Series-Materials Science and Engineering 227 (2017) UNSP 012041, pp. 1-8 electronic version. WOS: 000409221600041, DOI: 10.1088/1757-899X/227/1/012041
29. Goanță A.M., Dumitrache P. (2017) New siemens applications for designing bevel gears” International Conference ModTech 2017 - Modern

Technologies in Industrial Engineering V, 14-17 June 2017, Sibiu, Romania, publish by IOP Conference Series-Materials Science and Engineering 227 UNSP 012049, pp. 1-8 electronic version. WOS: 000409221600049, DOI: 10.1088/1757-899X/227/1/012049

30. Grigorescu L. (2017) Current Controlled Resistance, International Conference on ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE-ECAI 2017, Pitesti, Romania, IEEE Romania section, electronic ISBN 978-1-5090-6458-8, print ISBN 978-1-5090-6457-1, DOI:101109/ECAI 2017.8166403
31. Nastac, Silviu; Debeleac, Carmen; Nechita, Petronela (2017) Assessments on shock absorption properties of foam-formed low density cellulose composites. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [v. 60, n. 4, ISSN 1221-5872.
32. P Nechita, S Năstac, (2017), Foam-formed cellulose composite materials with potential applications in sound insulation, Journal of Composite Materials, <https://doi.org/10.1177/0021998317714639>
33. Laurentiu Curduman, Carmen Debeleac, Silviu Nastac, (2017) On Path Oscillations Analysis of Mechanical Multi-body and Hydrostatical Driving Units Coupled System, Procedia Engineering, Volume 181, 2017, Pages 518-525, <https://doi.org/10.1016/j.proeng.2017.02.428>
34. Laurentiu Curduman, Silviu Nastac, Carmen Debeleac, Mircea Modiga, (2017) Computational Dynamics of the Rotational Heavy Loads Mastered by Hydrostatical Driving Systems, Procedia Engineering, Volume 181, 509-517, <https://doi.org/10.1016/j.proeng.2017.02.427>
35. Anghelache D. Diaconescu I., (2017) Parametric modelling of pilot station for production of vegetal biostimulants - The Annals of "Dunărea de Jos" University of Galați, Fascicle XIV Mechanical Engineering, ISSN 1224 - 5615, vol I, Issue XXVII, pp. 5-8
36. Daschievici L., Ghelase D. , I. Diaconescu, (2017) Integrated Control of the Manufacturing System - International Journal of Control Systems and Robotics, Volume 2, pp. 92-95, ISSN: 2367-8917
37. Daschievici L., Ghelase D. , I. Diaconescu, (2017) Modeling and Simulation in Machining Processes-International Journal of Mechanical Engineering, Volume 2, pp. 77-100, ISSN: 2367-8968,.

38. L. Daschievici, D. Ghelase, (2017) olonic Approach to manufacturing systems, Analele Universitatii "Dunarea de Jos" din Galati, Fascicula XIV, vol. II, 17 – 20, 2016, ISSN 1224-5615
39. L. Daschievici, D. Ghelase, (2017) Concerning the competitiveness for manufacturing systems, International Journal of Engineering & Technical Research, IJETR, vol.7, Issue 2, 29-31
40. Debeleac, C., Năstac, S., (2017) Modelarea numerică și experimentală a procesului de săpare controlată pe traiectorii impuse, Revista Sinteze de Mecanica Teoretica si Aplicata, Vol.8, Issue 1, 73 – 80, ISSN 2068-6331
41. Debeleac, C., (2017) Concepte inovative implementate în proiectarea utilajelor de construcții, Revista Sinteze de Mecanica Teoretica si Aplicata, Vol.8, Issue 2, 86 – 93, ISSN 2068-6331
42. Minciuc, Eduard; Diaconescu, Ioana; Pătrașcu, Roxana, (2017) Energy Management for Energy Efficiency, FAIMA Business & Management Journal; Vol. 5, 2, 63-72
43. Drăgan, N., (2017) Dynamic analysis of the parameters of the mechanical systems with structural damping. Viscoelastic SLS model. Part 1: Amplitude factor, The Annals of "Dunarea de Jos" University of Galati, Fascicle XIV Mechanical Engineering Volume 2 Issue XXVIII, 9-12, ISSN 1224-5615
44. Drăgan, N., Dynamic analysis of the parameters of the mechanical systems with structural damping. Viscoelastic SLS model. Part 1: Transmissibility factor and isolation degree, The Annals of "Dunarea de Jos" University of Galati, Fascicle XIV Mechanical Engineering Volume 2 Issue XXVIII, 13-16, ISSN 1224-5615,
45. Spânu, G.C, Drăgan, N., (2017) Analysis of the transmissibility ratio and the isolation degree of the vibration for mechanical systems with structural damping. Zener model, Sinteze de Mecanică Teoretică și Aplicată, Volumul 8 Nr. 4, ISSN 2068-6331, Ed. MatrixRom, București, pp. 266-274
46. Ghelase D., Daschievici L., I. Diaconescu, (2017) Modeling and Simulation of the Competitiveness of Manufacturing Systems, Modeling and Simulation in Machining Processes, International Journal of Mechanical Engineering, Volume 2, pp. 101-103, ISSN: 2367-8968
47. D. Ghelase, L. Daschievici, (2017) Adaptive-optimal control of the cutting process, Analele Universitatii "Dunarea de Jos" din Galati, Fascicula XIV, vol. II, pp. 21 – 24, ISSN 1224-5615

48. D. Ghelase, L. Daschievici, (2017) Control of the machining systems, International Journal of Engineering & Technical Research, IJETR, vol.7, Issue 2, pp. 32-35
49. Goanță A.M., (2017) Siemens solutions applied to obtain mechanical assemblies in agriculture, Analele de Inginerie Mecanica ale Facultății de Inginerie din Brăila, 2016, Issue Vol. 1, pp. 13-16, ISSN 1224-5615
50. Goanță A.M., (2017) Aspects on 3D design of assemblies and part lists customizing with inventor 2016, International Conference on Engineering Graphics and Design, Constanta, 26-27 mai, 2017, Published in the Journal JIDEG – Journal of Industrial Design and Engineering Graphics - official publication of SORGING, Volume 12, Issue 1, pp. 115-118, ISSN 1843 – 3766
51. Goanță A.M., (2017) Aspects of obtaining orthogonal projections and intelligent indicators by inventor 2016, International Conference on Engineering Graphics and Design, Constanta, 26-27 mai, 2017, Published in the Journal JIDEG – Journal of Industrial Design and Engineering Graphics - official publication of SORGING, Volume 12, Issue 1, pp. 111-114, ISSN 1843 – 3766
52. Goanță, A. M., Haraga, G., Aspects of modelling classical or synchronous modelling with solid edge st9, International Conference Innovative Manufacturing Engineering and Energy IManE&E2017, 24-27 May 2017, Iasi, Romania, MATEC Web of Conferences Volume 112, 06024(2017), eISSN: 2261-236X, DOI: 10.1051/matecconf/201711206024, Proceedings paper, pp. 700-706, ISBN: 978-1-5108-4430-8
53. Haraga, G., Goanță, A. M., (2017) FEA analysis and design optimization for a multifunctional piece of furniture, International Conference Innovative Manufacturing Engineering and Energy IManE&E2017, 24-27 May 2017, Iasi, Romania, MATEC Web of Conferences Volume 112, pp. 605-611, eISSN: 2261-236X, DOI: 10.1051/matecconf/201711206009
54. Pană D., (2017) Calculation of burners, The Annals of “Dunărea de Jos” University of Galați, Fascicle XIV, Mechanical Engineering, ISSN 1224-5615
55. Pană D., (2017) Types of construction burners used in metallurgical furnaces, The Annals of “Dunărea de Jos” University of Galați, Fascicle XIV, Mechanical Engineering, ISSN 1224-5615
56. Potîrniche, A., Căpățână, G., Computational assessments regarding modal analysis of an elevator bucket, The Annals of “Dunărea de Jos” University of

Galati, Fascicle XIV Mechanical Engineering, vol I, Issue XXVII, ISSN 1224 – 5615

57. Potîrniche, A., Căpăţână, G., (2017) Considerații privind comportarea statică și dinamică a unei lame de buldozer în condiții limită de exploatare, Sinteze de Mecanică teoretică și aplicată, vol 8, nr. 4, ISSN 2068 – 6331