

A11. Cărți și capitole în lucrări de specialitate

1. Banabic D. (Coord.), History of Romanian technology and industry (Mechanics, processing techniques and construction), Springer, Heidelberg, 2024.
2. Vaida, C.; Tucan, P.; Sebeni, D.; Vanta, O.; Birlescu, I.; Gherman, B.; Antal, T.; Pisla, D. Inverse Dynamics Analysis and Simulation of an Innovative 3 DOF Wrist Rehabilitation Robot. Lecture notes in Mechanical Engineering. In book: Innovations in Mechanical Engineering IV (pp.21-30)2025, 21-30. DOI:10.1007/978-3-031-93554-1_3
3. Banabic D., (Coord.), History of Romanian technology and industry (Electrical engineering, energetics, transport and technology education), Springer, Heidelberg, 2024.
4. Dumitru Pop, Simion Haragâș, Ovidiu Buiga (2025): *ORGANE DE MAȘINI. Volumul 3*, Editura Risoprint, Cluj-Napoca, ISBN 978-973-53-1294-7, ISBN 978-973-53-3410-9, 600 pg.
5. Corina Bîrleanu, Simion Haragâș, Marius Pustan, Ovidiu Buiga, Horea Crișan, Claudiu Popa, Ștefan Crăciun, Florina Șerdean (2021): *MACHINE ELEMENTS AND MECHANISMS. LABORATORY WORKS*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-753-8, 110 pagini.
6. Simion Haragâș, Dumitru Pop, Corina Bîrleanu, Marius Pustan, Ovidiu Buiga, Claudiu Popa, Horea Crișan, Ștefan Crăciun (2024): *SCREW-NUT MECHANISMS*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-729-3, 206 pagini.
7. Simion Haragâș, Dumitru Pop, Corina Bîrleanu, Marius Pustan, Ovidiu Buiga, Claudiu Popa, Horea Crișan, Ștefan Crăciun (2024): *MECANISME ȘURUB-PIULIȚĂ*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-708-8, 206 pagini.
8. Simion Haragâș, Dumitru Pop, Corina Bîrleanu, Marius Pustan, Ovidiu Buiga, Horea Crișan, Claudiu Popa (2023): *ONE-STAGE GEAR REDUCERS*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-670-8, 186 pagini.
9. Simion Haragâș, Dumitru Pop, Corina Bîrleanu, Marius Pustan, Ovidiu Buiga, Horea Crișan, Claudiu Popa (2023): *REDUCTOARE CU O TREAPTĂ*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-669-2, 186 pagini.
10. Dumitru Pop, Simion Haragâș, Ovidiu Buiga (2021): *ORGANE DE MAȘINI. Volumul 2*, Editura Risoprint, Cluj-Napoca, ISBN 978-973-53-1294-7, ISBN 978-973-53-2692-0, 896 pg.
11. Corina Bîrleanu, Simion Haragâș, Marius Pustan, Ovidiu Buiga, Horea Crișan, Claudiu Popa, Ștefan Crăciun, Florina Șerdean (2021): *ORGANE DE MAȘINI ȘI MECANISME. Lucrări De Laborator*, Editura UTPRESS, Cluj-Napoca, ISBN 978-606-737-503-9, 154 pg.
12. Murar, M., Mocan, B., s.a., Automate programabile logice și interfețe om-mașină, Editura UTPress, ISBN 978-606-737-246-5, 120 pg., Cluj-Napoca, 2023. .
(<https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/644-9.pdf>)
13. Popescu Daniela, Dragomir Diana, Comes Radu, Popescu Sorin, Dragomir Mihai, Neamțu Călin; Enhancing Management and Marketing in Cultural Heritage by Using New Technologies, Trivent Publishing, [Capitol în “The best Romanian Management Studies”](#), 2017-2018, ISBN 978-615-81353-5-1, pag. 21-32, 2020 (11 pagini) (Engleză)

14. Editor : Swee Leong Sing and Wai Yee Yeong, Process–Structure– Properties in Polymer Additive Manufacturing, Editura MDPI, ISBN 978-3-0365-1371-3 (Hbk, ISBN 978-3-0365-1372-0 (PDF), capitol : Novel Method for the Manufacture of Complex CFRP Parts Using FDM-Based Molds, pg. 21-40
15. R. Păcurar, Introductory chapter, „Trends and Opportunities of Rapid Prototyping Technologies”, Open- access book, INTech Publishing House, Rijeka, Croatia, 2022, DOI: 10.5772/intechopen.102781
16. R. Păcurar, Aplicații ale tehnologiilor de printare 3D în domeniul industrial și medical, Editura UT Press, 2022. 3. F. Gorski, M. Rychlik, R. Păcurar, editor „Advances in Manufacturing III, vol. 5 –Biomedical Engineering: Research and Technology Innovations, Industry
17. Lectures Notes in Mechanical Engineering, Springer, 2022 4. R. Păcurar, editor „Trends and Opportunities of Rapid Prototyping Technologies”, Open- access book, IN Tech Publishing House, Rijeka, Croatia, 2022, DOI: 10.5772/intechopen.102781 (in press)
18. Pacurar R, Balci, N, Non-Conventional Technologies, Project guidebook, Editura Risoprint, 2022, ISBN 978-3-0365-2707-1.
19. F. Popișter, R. Păcurar, Informatică aplicată – Proiectare Asistată de Calculator folosind SolidWorks – Surfaces, Sheet Metal și Mold Tools, 2022, Editura UT Press, 117 pagini.
20. R. Păcurar et al, BRIGHT e-toolkit manual for digital learning in producing medical parts by 3D printing methods in context of the pandemic, Editura Risoprint, 2023.
21. R. Păcurar et al, BRIGHT e-toolkit manual for digital learning in producing medical parts by 3D printing methods in context of the pandemic, Editura Risoprint, 2023.
22. R.Pacurar et. Al, "CAE" course module in the frame of Erasmus+ strategic partnership for Higher Education ERASMUS KA226 “BRIGHT”, “open-access book”, 2022, <https://bright-project.eu/?p=244>
23. S.Maricic, R.Pacurar et. Al, "Medical Engineering standards and tests" course module in the frame of Erasmus+ strategic partnership for Higher Education ERASMUS KA226 “BRIGHT”, “open-access book”, 2022, <https://bright-project.eu/?p=244>
24. F.Gorski, R.Pacurar, EMERALD e-book for developing of biomimetic mechatronic systems, Module 7 - 3D printing, in the frame of EMERALD project - https://project-emerald.eu/wp-content/uploads/2023/03/EMERALD_IO1_module_7_3D-Printing.pdf
25. R.Pacurar et al, ""E-toolkit for teaching purposes, basic knowledge about realizing biomimetic mechatronic systems, in the frame of EMERALD project - https://project-emerald.eu/wp-content/uploads/2023/03/E-Toolkit-manual_EMERALD.pdf
26. S.Maricic, R. Pacurar s.a., Computer Aided Engineering - Additive Manufacturing Approach, Editura Risoprint, 2023.
27. Prim autor / coautor 14 carti publicate, 4 in Ed. Tehnica Bucuresti.Mai multe carti in editie bilingva germana-romana
28. Popescu Daniela, Dragomir Diana, Comes Radu, Popescu Sorin, Dragomir Mihai, Neamțu Călin; Enhancing Management and Marketing in Cultural Heritage by Using New Technologies, Trivent Publishing, [Capitol în “The best Romanian Management Studies”](#), 2017-2018, ISBN 978-615-81353-5-1, pag. 21-32, 2020 (11 pagini) (Engleză)

29. Editor: Mihai Dragomir, Daniela Popescu, Chin-Yin Huang, Shun-Fung Chiu, Luis Quezada, Building Resilience into Production: Contemporary Challenges for the Future: Proceedings of the 27th International Conference on Production Research, Springer Nature, 2025, ISBN 978-3-031-92081-3 ISSN 2194-0525.