

L I S T A

lucrărilor elaborate

I. TEZA DE DOCTORAT

”Cercetări privind creșterea durabilității supapelor pompelor de noroi prin soluții constructive și tehnologice”

IV. ARTICOLE PUBLICATE (R, V)

1. **Ris - Băltărețu Iancu M.**, Ulmanu V., Hadăr A., *A Comparative Study of Hardfacing Technologies Applied for Increasing the Wear Resistance of Mud Pump Valves*, Journal of the Balkan Tribological Association, WOS:000381330600015, IF 0.737, vol. 22 (2-I), pp. 1228-1240, ISSN: 1310-4772, 2016.
2. **Ris - Băltărețu Iancu M.**, Ulmanu V., Hadăr A., *Researches Regarding the Hardfacing Technologies of Mud Pump Valve Seats Applied for Increasing the Erosive Wear Resistance*, Journal of the Balkan Tribological Association, WOS: 000391345800013, IF 0.737, vol. 22 (3), pp. 2095-2109, ISSN: 1310-4772, 2016.
3. **Ris - Băltărețu Iancu M.**, Ulmanu V., Pupăzescu A., Hadăr A., *Flow Velocity as a Factor of Erosive Wear of Mud Pump Valves*, U.P.B. Scientific Bulletin, Series D: Mechanical Engineering, BDI, vol. 78 (3), pp. 119-130, ISSN 1454-2358, 2016.
4. **Ris - Băltărețu Iancu M.**, Ulmanu V., Hadăr A., *The Methodology for Evaluating the Resistance of Materials to Erosive Wear*, Buletinul Universității Petrol-Gaze din Ploiești, Seria Tehnică, BDI, vol. LXVIII (1), pp. 1-6, ISSN 1224-8495, 2016.
5. **Vi - Băltărețu Iancu M.**, Hadăr A., Ulmanu V., *Methods of Improving the Mud Pump Valve Life*, Conference Proceedings of the Academy of Romanian Scientists, vol. 7, nr. 1, pp. 75-84, ISSN 2067-2160, 2015.
6. **Ris - Stochioiu C.**, Marinescu V.M., Oprișan E., **Ciolcă M.**, *Experimental and Numerical Analysis of the Stress State Produced by a Circular Hole Concentrator*, Mater. Plast., WOS: 001083326000009, IF 0.8, vol. 60, issue 3, pp. 84-93, 2023.
7. **Ris - Cormoș R.**, Neagoe C.A., **Ciolcă M.**, *Preliminary Hybrid Joint Analysis for Aircraft Structures*, Mater. Plast., WOS:001143872900004, IF 0.8, vol. 60, issue 4, 2023.
8. **Ris - Cormos R.**, Neagoe C.A., **Ciolcă M.**, Hadăr A., *VBA fatigue analysis program for metallic structural components preliminary design*, INCAS Bulletin, vol. 15, issue 4, pp. 93-106, 2023. <https://doi.org/10.13111/2066-8201.2023.15.4.8>
9. **Vi - Tălîngă A.M.**, Jiga G., Baciuc F., **Ciolcă M.**, *Numerical and Experimental Study of Two Different Sandwich Beams Subjected to Three Points Bending*, Proceedings of ICSAAM 2023, The 10th International Conference on Structural Analysis of Advanced Materials, 10 - 14 September 2023, Island of Zante (Zakynthos), Greece.
10. **Vi - Ciolcă M.**, Brănescu T.E., Vlăsceanu D., *Numerical Finite Element Analysis of The Chassis of a Robotic Equipment for Handling Drilling Pipes*, Proceedings of ICSAAM 2023, The 10th International Conference on Structural Analysis of Advanced Materials, 10 - 14 September 2023, Island of Zante (Zakynthos), Greece.

11. **Ris – Ciolcă M.**, Vlăsceanu D., *Experimental Analysis of Hyperelastic Materials Using the Vibration Method*, Mater. Plast., vol. 61, issue 2, pp. 117-128, WOS:001266770600009.
12. **Ris - Raul CORMOS**, Catalin Andrei NEAGOE, **Miruna CIOLCA**, Anton HADAR, *Demonstrative irregular fatigue cycle counting by rainflow method implementation using a Python program*, INCAS Bulletin, vol. 16, issue 3, pp. 19-26, 2024. <https://doi.org/10.13111/2066-8201.2024.16.3.2>
13. **Ris – Constantin Stochioiu**, **Miruna Ciolcă**, Anca-Loredana Deca, *Mechanical Characterization of Flax and Hemp Fibers Cultivated in Romania*, MATERIALS, 17 (19), 4871, 2024. <https://doi.org/10.3390/ma17194871>
14. **Ris – Miruna Ciolca**, Raul Cormos, Catalin-Andrei Neagoe, Anton Hadar, *A Comparative Study on the Finite Element Analysis of Multilayered Honeycomb Composite Materials for Aerospace Structures*, MATERIALS, 18 (8), 1744, 2025. <https://doi.org/10.3390/ma18081744>

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE

1. **Pn - Fibre vegetale de armare a materialelor compozite, cultivate pe teritoriul României-** GNAC2023 ARUT UPB, SG, coautor.
2. **Pn - Studiu privind evaluarea deformațiilor specifice cu marci tensometrice la încercarea la încovoiere a 4 (patru) grinzi de poduri la viaductele de acces pod Braila**”, Contract de cercetare terți nr. 24006/ 2024, responsabil contract.
3. **Pn - Studiu privind evaluarea deformațiilor specifice cu marci tensometrice la încercarea la încovoiere a 6 (șase) grinzi prefabricate de beton, amplasate pe stand, din cadrul Proiectului “Autostrada A1 Lot 5 Pitești – Curtea de Argeș**”, Contract de cercetare terți nr. 33285/ 2024, responsabil contract.
4. **Pn - Palete pentru turbine din structuri celulare, obținute prin fabricare aditivă cu laser**, “AOȘR-TEAMS-IV” EDIȚIA 2025-2026, director proiect.

Data:
21.07.2025

Semnătura: