



## Listă de lucrări

Diseminarea rezultatelor activității de cercetare derulate în cadrul studiilor doctorale, în cadrul *Programului de pregătire bazat pe studii universitare avansate* este reprezentată, astfel, după cum urmează:

1. **CĂȘERIU, Bianca**, Octavian JITARAȘU, and Petruța BLAGA. "Aspects regarding the dynamics of a prototype of remote controlled logistics transport platform." Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering 65.2 (2022). Link: <https://atna.mam.utcluj.ro/index.php/Acta/article/view/1812> - **ISI**
2. **CĂȘERIU, Bianca**; BLAGA, Petruța. Automotive Comfort: State of the Art and Challenges. In: The 16th International Conference Interdisciplinarity in Engineering: Inter-Eng 2022 Conference Proceedings. Cham: Springer International Publishing, p. 375-387, (2022). Link: [https://link.springer.com/chapter/10.1007/978-3-031-22375-4\\_30](https://link.springer.com/chapter/10.1007/978-3-031-22375-4_30) - **ISI Proceedings**
3. **CĂȘERIU, Bianca**, BLAGA, Petruța. "Comprehensive analyses between acoustic comfort and materials used in vehicles A data driven literature review of acoustic comfort in vehicles", Journal of Multidisciplinary Engineering Science and Technology, ISSN: 2458-9403, Vol 12, Issue 12,p. 15713-15717, (2022), Link: <http://www.jmest.org/vol-9-issue-12-december-2022/> - **BDI**.
4. **Bianca, CĂȘERIU**, Petruța BLAGA. (2023)"Assessment on the acoustic comfort inside the heavy vehicle cabin", Acta Marisiensis. Seria Technologica Vol. 20 (XXXIV) no. 2, ISSN 2668-4217, ISSN-L2668-4217, Link:<http://scientificbulletin.upm.ro/papers/2023-2/AMSET-2023-0012.pdf> - **BDI**.
5. **Bianca, CĂȘERIU**, Petruța BLAGA. (2023) "Considerations regarding the ergonomics of the vehicle interior", Acta Marisiensis. Seria Technologica Vol. 20 (XXXIV) no. 2, ISSN 2668-4217, ISSN-L, 2668-4217, Link: <http://scientificbulletin.upm.ro/papers/2023-2/AMSET-2023-0015.pdf> - **BDI**.
6. **Bianca, CĂȘERIU**, Petruța BLAGA. (2023), "Analysis of interior noise in special purpose vehicles", Review of the Air Force Academy, no. 1 (47), ISSN: 2069-4733, Print ISSN: 1842-9238, Link:[https://www.afahc.ro/ro/revista/2023\\_1/5BiancaCASERIU,PetrutaBLAGA.pdf](https://www.afahc.ro/ro/revista/2023_1/5BiancaCASERIU,PetrutaBLAGA.pdf) - **BDI**.
7. **Cășeriu, B.**, Blaga, P. (2023). Analysis of the effects of vehicle vibrations and noise on the human body, International Journal of Recent Advances in Multidisciplinary Research, Vol. 10, Issue 09,pp.8841-8845, September, 2023, pp. 2450-2454, ISSN: 2350-0743.[https://www.researchgate.net/publication/374413526\\_ANALYSIS\\_OF\\_THE\\_EFFECTS\\_OF\\_VEHICLE\\_VIBRATIONS\\_AND\\_NOISE\\_ON\\_THE\\_HUMAN\\_BODY](https://www.researchgate.net/publication/374413526_ANALYSIS_OF_THE_EFFECTS_OF_VEHICLE_VIBRATIONS_AND_NOISE_ON_THE_HUMAN_BODY) - **BDI**.
8. **Cășeriu Bianca-Mihaela** and Petruța Blaga (2023). 'Investigating Noise Sources for a Heavy Vehicle',International Journal of Current Advanced Research, 12(08), pp. 2450-2454. DOI: [http:// dx.doi.org/10.24327/](http://dx.doi.org/10.24327/)



- ijcar.2023.2454.1533. Link: <http://dx.doi.org/10.24327/ijcar.2023.2454.1533> - **BDI.**
9. **Cășeriu Bianca-Mihaela** and Petruța Blaga, 2023, Numerical analysis of vehicle interior acoustics, INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY, 12(10), 1-11, ISSN: 2277-9655. Link: <https://zenodo.org/records/10036746> – **BDI.**
  10. **Cășeriu Bianca-Mihaela** and Petruța Blaga, (2024). Aspects Regarding the Ergonomic Design of Workstations in the Automotive Manufacturing Industry. In: Moldovan, L., Gligor, A. (eds) The 17th International Conference Interdisciplinarity in Engineering. Inter-ENG 2023. Lecture Notes in Networks and Systems, vol 928. Springer, Cham. [https://doi.org/10.1007/978-3-031-54671-6\\_18](https://doi.org/10.1007/978-3-031-54671-6_18). – **BDI.**
  11. **Cășeriu Bianca-Mihaela**, Gabor Manuela Rozalia, Blaga Petruța, (2024), Quantitative analysis of predictors of acoustic materials for noise reduction as sustainable strategies for materials in the automotive industry, Energies, ISSN: 1996-1073, WoS Core Citation Indexes: SCIE - Science Citation Index Expanded, Journal Impact Factor (JIF):3.0, **ISI – în curs de publicare.**
  12. **Cășeriu Bianca-Mihaela** and Petruța Blaga, (2024), Integrative approaches in Ergonomics and Human Factors Engineering for enhancing comfort and efficiency in civilian and military transport systems, Journal of Cleaner Production, ISSN:0959-6526, eISSN:1879-1786, WoS Core Citation Indexes: SCIE - Science Citation Index Expanded, Journal Impact Factor (JIF): 9.7, **ISI – în curs de publicare.**
  13. Jitărășu Octavian, **Cășeriu Bianca-Mihaela**, (2024), Numerical analysis of the ballistic impact behavior of 2D woven fabrics, Journal of Mechanics of Materials and Structures, ISSN: 1559-3959, WoS Core Citation Indexes: SCIE - Science Citation Index Expanded, Journal Impact Factor (JIF): 0.9 **ISI – în curs de publicare;**

15.07.2024

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