ANEXA 8. Lucrări ştiinţifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrari publicate in reviste din baze de date recunoscute			
1.	Experimental research on efficient pumping at high pressure rates	Hidraulica Magazine, nr. 3, pp. 36-43, ISSN 1453 – 7303 , 2023	Teodor Costinel Popescu, Alexandru-Polifron Chiriță, Ana-Maria Carla Popescu, Alina Iolanda Popescu
2.	Acoustic Emission Sensing of Materials and Structures at Mechanical Strengths	International Journal on Advances in Systems and Measurements, vol. 16, nr. 1-2, pp. 23-30, 1942-261x, 2023	I. Chilibon
3.	Geomorphological, hydrogeological and groundwater quality analysis in Karst systems of the central-western part of metaliferi mountains	Annals of the University of Oradea - Geography Series, nr. 2/2023, pp. 93-108, 10.30892/auog.332102-909, 2023	G.Iacob, L.I.Buzila, L.Dordai
4.	A fast HPLC method for the determination of beta-carotene and lycopene from Daucus carota	Natural Resources and Sustainable Development, vol. 13(1), pp. 195-202, 10.31924/nrsd.v13i1.128 , 2023	L. Dordai
5.	Laboratory equipment for “Hot air generator with forced draft fan based on the TLUD principle”	Hidraulica Magazine, nr. 1, pp. 62-67, ISSN 1453 – 7303, 2023	Ioan Pavel, Gabriela Matache, Valentin Barbu, Ana-Maria Popescu, Kati Pavel
6.	Natural Zeolite-Based Filter for the Treatment of Well Water	Hidraulica Magazine, nr. 3, pp. 7-13, ISSN 1453 – 7303, 2023	M. Șenilă, O. Cadar, M.-A. Resz, D. Simedru, E. Kovacs, M. Roman, C. Roman, A. M. Borș
7.	Romanian Zeolites for Sustainable Agriculture: Enhancing Vegetable Growth and Nutrient Efficiency	Agricultura, vol. 127, nr. 1-2, https://doi.org/10.15835/agr.v127i1-2.14616, 2023	L. Dordai, M. Roman
8.	Changes in C-Peptide Values in Children with Type 1 Diabetes – a Three-Year Study	Mædica - a Journal of Clinical Medicine, vol. 18, nr. 2, pp. 182-189, 10.26574/maedica.2023.18.2.182, 2023	Carmen Nicoleta NOVAC, Doina-Andrada MIHAI, Anca Andreea BOBOC,Cristina PLATICA, Anca NEMUC, Gabriela RADULIAN,
9.	Analysis of the Behavior of Fluids Specific to Electrohydraulic Systems and the Performance of	Hidraulica Magazine, nr. 3, pp. 64-70, ISSN 1453 – 7303, 2023	A. M. Borș, L. Dumitrescu, Ș.-M. Șefu, M. Șenilă

	Industrial Machine Tools		
10.	Analysis of the behavior of fluids specific to electrohydraulic systems and the performance of industrial machine tools	Hidraulica Magazine, nr. 3, pp. 64-70, ISSN 1453 – 7303 , 2023	Adriana Mariana Borș, Liliana Dumitrescu, Ștefan-Mihai Șefu, Marin Șenilă
11.	Optimizing potato production through integrated management of irrigation, fertilization, and cultivar selection	Agricultura, vol. 127, nr. 1-2, https://doi.org/10.15835/agr.v127i1-2.14615, 2023	L. Dordai, M. Roman
12.	New trends and developments of additive manufacturing in the field of hydraulic drive systems according to the circular economy concept	Hidraulica Magazine, nr. 2, pp. 37-47, ISSN-L 1453-7303, 2023	Alexandru Polifron Chiriță, Adriana Mariana Borș, Andrei Alexandru Benescu
13.	Specific characteristics of lubricating fluids for optimizing industrial technological systems with electrohydraulic actuation	Hidraulica Magazine, nr. 3, pp. 50-55, ISSN 1453 – 7303 , 2023	Adriana Mariana Borș, Liliana Dumitrescu, Ștefan-Mihai Șefu
14.	Statement of Peer Review	Materials Proceedings, vol. 14, nr. 77, https://doi.org/10.3390/materproc2023014077, 2023	A. Di Bartolomeo,G. Chen, M.M. Stylianakis, U. Scherf, J. Wang, W. Heiss, O. Cadar
15.	The importance of reverse engineering and 3D scanning in remanufacturing hydraulic drive system components in the circular economy context	Acta Technica Corviniensis - Bulletin of Engineering, vol. 16, nr. 3, pp. 19-24, ISSN: 2067-3809 , 2023	Alexandru Polifron Chiriță, Andrei Alexandru Benescu, Adriana Mariana Borș, Ștefan Mihai Șefu, Robert Blejan
16.	TLUD hot air generator with forced draft	Technium Romanian Journal of Applied Sciences and Technology, vol. 14, pp. 31-34, ISSN: 2668-778X; DOI: 10.47577/technium.v14i.9670, 2023	Ioan Pavel, Gabriela Matache, Gheorghe Sovaiala, Alina Iolanda Popescu, Kati Pavel
17.	Utility vehicle with hydraulic transmission and hybrid energy source	Mining Machines , vol. 41, nr. 1, pp. 1-10, e-ISSN 2719-3306, 2023	Radu-Iulian Rădoi, Cătălin Dumitrescu, Ion David, Marian Blejan, Ștefan Șefu, Cristian Ionescu

Lucrari publicate in proceedings-uri indexate in baze de date recunoscute			
1.	Long-Term Changes of Optical Properties of Mineral Dust and Its Mixtures Derived from Raman Polarization Water Vapor Lidar in Central Europe	Proceedings of the 30th International Laser Radar Conference. ILRC 2022/Springer Atmospheric Sciences, pp. 347-353, https://doi.org/10.1007/978-3-	Szczepanik, D.M., W. Kumala, C. F. Olusegun, E. Tetoni, V. Amiridis, D. Nicolae, D. Althausen, I. Stachlewska

		031-37818-8_46, 2023	
2.	Implementing the functionality of electrohydraulic actuated machines by programmable logic controller programmed using finite-state machine	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 140-144, ISSN 1454 – 8003, 2023	Robert Blejan, Marian Blejan, Alexandru Ionescu
3.	Climate effects of aerosols and radon on COVID-19 pandemic in Bucharest metropolitan area	RAP Conference Proceedings, vol. 8, pp. 8-14, 2737-9973, 2023	M. Zoran, R. Savastru, Dan Savastru, M. Tautan
4.	Agronomic factors influencing production and control strategies against mycotoxins	Proc. of ISB-INMA TEH' International Symposium, pp. 476-485, ISSN-L 2344 – 4118, 2023	Gabriel Nae, Florin Nenciu, Adriana Muscalu, Cătălina Tudora, Adriana Mariana Borș
5.	An Overview of the ASKOS Campaign in Cabo Verde.	Environmental Sciences Proceedings/MDPI, vol. 26, nr. 1, pp. 200, 10.3390/environsciproc2023026200, 2023	Marinou, E.; Paschou, P.; Tsikoudi, I.; Tsekeri, A.; Daskalopoulou, V.; Kouklaki, D.; Siomos, N.; Spanakis-Misirlis, V.; Voudouri, K.A.; Georgiou, T.; Nemuc A., Pirloaga
6.	Fruit and vegetable drying machine with energy independence	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 125-132, ISSN 1454 – 8003, 2023	Ioan Pavel, Gheorghe Șovăială, Gabriela Matache, Valentin Barbu, Kati Pavel, Ana-Maria Popescu
7.	Neural network controller for fault detection and monitoring of a closed-loop compact hydraulic direct drive servomechanism	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 192-205, ISSN 1454 – 8003, 2023	Alexandru-Polifron Chiriță, Bogdan-Alexandru Tudor
8.	Involving Fluid Power in art – A possibility to materialize the artistic vision	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 206-212, ISSN 1454 - 8003, 2023	Adrian Ciocănea, Cătălin Dumitrescu, Teodor Frolu, Dan Vezentan, Valentin Barbu
9.	Equipment and methodology for detecting clearance in front suspension joints of passenger vehicles by using dynamic acceleration analysis	IEEE Xplore 2023 14th International Conference on Electromechanical and Energy Systems (SIELMEN), DOI: 10.1109/SIELMEN59038.2023.10290753, 2023	Ioan Pavel, Alexandru-Polifron Chiriță, Radu-Iulian Rădoi, Andrei-Alexandru Benescu, Gheorghe Șovăială, Ana-Maria Carla Popescu
10.	Regional Changes in the Dominant Aerosol Type Over Europe During the ACTRIS COVID-19 Campaign	Proceedings of the 30th International Laser Radar Conference. ILRC 2022/Springer Atmospheric	K. A. Voudouri, D. Nicolae, L. Mona, G. D'Amico, N. Papagiannopoulos, E.

		Sciences, pp. 749-755, 10.1007/978-3-031-37818-8_96, 2023	Marinou, A. Kampouri, J. Vasilescu, C. Talianu, I. Stachlewska, R. Fortuna, M. Sicard, A. Rodriguez, S. Romano, M. R. Perrone, A. Floutsi, X. Shang, N. Siomos, A. Gialitaki, A. Tsekeri, D. Balis and V. Amiridis
11.	Method and means of measuring pulsating flowrates of oscillating hydraulic pressure intensifiers	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 67-76, ISSN 1454 – 8003, 2023	Teodor Costinel Popescu, Alexandru-Polifron Chiriță, Krzysztof Nieśpiałowski, Ana-Maria Carla Popescu
12.	Anomalous radon emission as pre-signal of moderate to strong earthquakes in Vrancea geotectonic active region in Romania	RAP Conference Proceedings, vol. 8, pp. 54-59, 2737-9973, 2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan
13.	Analysis of the influence of the characteristics of working fluids in hydraulic systems on functional performance	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 171-182, ISSN 1454 – 8003, 2023	Adriana Mariana Borș, Liliana Dumitrescu, Ștefan Șefu, Kamil Szewerda
14.	Data acquisition system for analyzing the thermodynamic performance of an air-water heat pump	Proc. of ISB-INMA TEH' International Symposium, pp. 706-711, ISSN-L 2344 – 4118, 2023	Radu-Iulian Radoi, Catalin Dumitrescu, Ioana Ilie, Valentin Barbu, Bogdan Duran, Melania Cismaru
15.	Advanced water purification system - Contribution to the development and promotion of Romanian cultural and natural heritage	Proc. of ISB-INMA TEH' International Symposium, pp. 756-765, ISSN-L 2344 – 4118, 2023	Adriana Mariana Borș, Stefan Toma, Liliana Dumitrescu, Ștefan-Mihai Șefu, Gabriel Nae
16.	Comparative thermal analysis of hydraulic oils	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 183-191, ISSN 1454 - 8003, 2023	Andreea Mirela Teleașă, Sorin Cănănău, Cătălin Dumitrescu, Alexandru Valentin Rădulescu, Alina Maria Stoica, Geanina Mihaela Mateescu
17.	Heat pumps. Calculation elements for solar air heaters	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 154-161, ISSN 1454 – 8003, 2023	Ioan Pavel, Ștefan-Mihai Șefu, Liliana Dumitrescu
18.	Rotational Raman Scattering Through Narrow-Band	Proceedings of the 30th International Laser Radar	N. Siomos, I. Binietoglou, M. Adam,

	Interference Filters: Investigating Uncertainties Using a New Rayleigh Scattering Code Developed Within ACTRIS	Conference. ILRC 2022/Springer Atmospheric Sciences, pp. 3-9, https://doi.org/10.1007/978-3-031-37818-8_1, 2023	U. Wandinger, M. Haarig, B. Gast, G. D'Amico, V. Freudenthaler
19.	The impact of UAV (Unmanned Aerial Vehicle) technologies in agriculture	Proc. of ISB-INMA TEH' International Symposium, pp. 684-693, ISSN-L 2344 – 4118, 2023	Melania Cismaru, Gabriel-Valentin Gheorghe, Carmen Bălțatu, Eugen Marin, Dragoș Manea, Marinela Mateescu, Dragoș Dumitru, Radu-Iulian Rădoi

ANEXA 8b. Carti si capitole de carte

Nr. Crt.	TITLUL CARTII	EDITURA	AUTORII
1.	Four-Layer Surface Plasmon Resonance Structures with Amorphous As2S3 Chalcogenide Films: A Review in Prime Archives in Material Science: 5 th Edition	Prime Archives in Material Science: 5 th Edition - , pp. 1-41, https://videleaf.com/product/prime-archives-in-material-science-5th-edition/, 2023	A. Popescu, Dan Savastru, M. Stafe, N. Puscas
2.	Global Change Drivers Impact on Soil Microbiota: Challenges for Maintaining Soil Ecosystem Services? in Vegetation Dynamics, Changing Ecosystems and Human Responsibility	InTechOpen, 10.5772/intechopen.111585 , 2023	E. D. Kovacs, M. H. Kovacs

ANEXA 8c. Articole publicate in jurnale neindexate

Nr. Crt.	TITLUL	REVISTA	AUTORII
1.	Exploring with time-series satellite data of multiple stressors effects on urban/periurban vegetation	SPIE Remote Sensing 2023, RSG23-RSG100-2, 2023	Maria A. Zoran, Roxana S. Savastru, Dan M. Savastru, Marina N. Tautan, Adrian C. Penache