

ANEXA 8. Lucrări științifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrari publicate in reviste din baze de date recunoscute			
1.	Hydraulic power generation unit powered by photovoltaic energy	Hidraulica Magazine, nr. 1, pp. 68-72, ISSN 1453 – 7303, 2024	Radu Radoi, Bogdan Tudor, Stefan Sefu, Robert Blejan
2.	PWM drive method considerations for proportional pneumo-hydraulic solenoid valves	Hidraulica Magazine, nr. 1, pp. 96-100, ISSN 1453 – 7303 , 2024	Robert Blejan, Marian Blejan, Alexandru Ionescu
3.	Hydrostatic transmission for small-power wind turbines	Hidraulica Magazine, nr. 3, pp. 48-56, ISSN 1453-7303, 2024	Alexandru-Polifron Chirita, Ionas Catalin Dumitrescu, Radu-Iulian Radoi, Marian Blejan
4.	Numerical simulation of drying equipment for vegetal matter with automatic process control and moisture estimation by means of a neural network	Hidraulica Magazine, nr. 2, pp. 68-81, ISSN 1453 – 7303 , 2024	Alexandru-Polifron Chirita, Gabriela Matache, Adriana Teodora Muscalu
5.	Electrohydraulic servo actuators with IoT capabilities	Hidraulica Magazine, nr. 3, pp. 88-94, ISSN 1453 – 7303 , 2024	Marian Blejan, Andrei Blejan
6.	Experimental evaluation of a digital hydraulic pumping system	Hidraulica Magazine, nr. 4, pp. 69-75, ISSN: 1453-7303, 2024	Bogdan Alexandru Tudor, Radu-Iulian Radoi, Stefan-Mihai Sefu, Robert Blejan
7.	Considerations on making test stands for small hydraulic turbines	Hidraulica Magazine, nr. 3, pp. 19-32, ISSN 1453 – 7303, 2024	Teodor-Costinel Popescu, Alina-Iolanda Popescu
8.	Recovery of potential energy by using a digital hydraulic cylinder	Hidraulica Magazine, nr. 3, pp. 74-79, ISSN 1453 – 7303, 2024	Ioan Pavel, Gabriela Matache, Stefan-Mihai Sefu
9.	Aerodynamics evaluation of high-rise buildings	Journal of Industrial Design and Engineering Graphics, nr. 1, pp. 117-120, ISSN 2344-4681, 2024	I-L. Scurtu, A-D. Scurtu
10.	High-resolution air quality maps for Bucharest using Mixed-Effects Modeling Framework [preprint]	EGUsphere, 10.5194/egusphere-2024-2930, 2024	Camelia Talianu, Jeni Georgeta Vasilescu, Doina Nicoleta Nicolae, Alexandru Marian Ilie, Andrei Valentin Dandocsi, Anca Viorica Nemuc, Livio Belegante
11.	Linii tehnologice de valorificare a biomasei vegetale	Buletinul AGIR, nr. 3, pp. 19-24, ISSN-L 1224-7928,	Gabriela Matache, Gheorghe Sovaiala, Ioan

		2024	Pavel, Stefan-Mihai Sefu
12.	Use of diffusive gradients in thin-film technique to predict the mobility and transfer of nutrients and toxic elements from agricultural soil to crops—an overview of recent studies	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, pp. 34817-34831, https://doi.org/10.1007/s11356-024-33602-5 , 2024	M. Senila, E. Kovacs

Lucrari publicate in proceedings-uri indexate in baze de date recunoscute			
1.	System for recovering and converting potential energy into electrical energy from a digital hydraulic cylinder	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 123-127, ISSN 1454 - 8003, 2024	Ioan Pavel, Radu-Iulian Radoi, Gabriela Matache, Stefan-Mihai Sefu
2.	Utilization of manure from poultry farms using the pyrolytic process	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 183-194, ISSN 1454 – 8003, 2024	Gheorghe Sovaiala, Ioan Pavel, Gabriela Matache, Alina Popescu, Vasilica Stefan
3.	Method and means of testing low-head hydraulic turbines	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 83-89, ISSN 1454 – 8003, 2024	Teodor Costinel Popescu, Alina-Iolanda Popescu, Rares-Andrei Chihai
4.	Practical aspects regarding implementation of PID controller on a Programmable Logic Controller	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 98-103, ISSN 1454 – 8003, 2024	Marian Blejan, Robert Blejan
5.	Development and laboratory testing of a digital flow control unit	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 153-158, ISSN 1454 – 8003, 2024	Bogdan Tudor, Radu-Iulian Radoi, Robert Blejan, Ioana Ilie, Stefan Dumitru
6.	Recovery of potentially toxic compounds from phosphoric ester-based hydraulic fluids (HFDR) used in the mining industry	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 165-174, ISSN 1454 – 8003, 2024	Adriana Mariana Bors, Liliana Dumitrescu, Iuliana Gageanu, Alina-Iolanda Popescu, Tudor Vasile Blaga
7.	Simcenter Amesim-based optimization of an experimental test stand for ultra-low head hydraulic turbines optimization	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 195-202, ISSN 1454 – 8003, 2024	Alexandru-Polifron Chirita
8.	Considerations regarding the implementation of hydrostatic transmissions in wind turbine power transmission systems	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 215-219, ISSN 1454 – 8003, 2024	Liliana Dumitrescu, Alexandru-Polifron Chirita, Radu-Iulian Radoi, Stefan-Mihai Sefu, Adriana Mariana Bors, Ionas Catalin Dumitrescu, Eugen

			Marin
9.	Innovative drying equipment with energy independence, for mountainous and isolated areas	Proc. of ISB-INMA TEH' International Symposium, pp. 690-699, ISSN-L 2344 – 4118, 2024	Gheorghe Sovaiala, Ioan Pavel, Gabriela Matache, Polifron Chirita, Alina Iolanda Popescu, Ionel Andrei Patrut, Cristian Marian Sorica
10.	Use of DIC (Instant Controlled Pressure Drop) process for the extraction of essential oils - Review	Proc. of ISB-INMA TEH' International Symposium, pp. 114-123, ISSN-L 2344 – 4118, 2024	Adriana Muscalu, Catalina Tudora, Dragos Anghelache, Mihai Constantinescu, Alexandru-Polifron Chirita, Margareta Naie
11.	Aerosol layer classification from remote sensing observations using deep learning	Book of Abstracts, Finnish Association for Aerosol Research (online), 2024	Camelia Talianu, Doina Nicolae, Jeni Vasilescu, Victor Nicolae
12.	Long-term variability of black carbon concentrations at a suburban super-site near Bucharest, Romania	ACTRIS Science Conference 2024 - Book of Abstracts, https://doi.org/10.5281/zenodo.12568878 , 2024	Andrei Valentin Dandocsi, Jeni Georgeta Vasilescu, Alexandru Marian Ilie, Doina Nicoleta Nicolae
13.	Temporal variability and aerosols source apportionment at RADO Bucharest, Romania	ACTRIS Science Conference 2024 - Book of Abstracts, https://doi.org/10.5281/zenodo.12568878 , 2024	Jeni Georgeta Vasilescu, Andrei Valentin Dandocsi, Camelia Talianu, Alexandru Marian Ilie, Doina Nicoleta Nicolae
14.	Spatial mapping of air pollution in Bucharest using mobile measurements	ACTRIS Science Conference 2024 - Book of Abstracts, https://doi.org/10.5281/zenodo.12568878 , 2024	Alexandru Marian Ilie, Andrei Valentin Dandocsi, Doina Nicoleta Nicolae, Camelia Talianu, Jeni Georgeta Vasilescu
15.	Transfer to applications: Satellite applications /Impact of atmospheric boundary layer profiling	zenodo, https://doi.org/10.5281/zenodo.11203917 , 2024	Anca Viorica Nemuc
16.	Long term analysis of aerosol optical properties and dominant types over Europe	ACTRIS Science Conference 2024 - Book of Abstracts, https://doi.org/10.5281/zenodo.12568878 , 2024	G. Ciocan, A. Nemuc, D. Nicolae;
17.	Multiply HSRL instrument for the Cal/Val of satellite missions - Update	ACTRIS Science Conference 2024 - Book of Abstracts, https://zenodo.org/records/12568878 , 2024	Livio Belegante, Ilya Serikov, Anca Nemuc, Doina Nicolae, Björn Brüggmann, Vassilis

			Amiridis, Iwona S. Stachlewska
18.	Validation of Aerosol Layer Height product from space-borne instruments using ACTRIS' Aerosol Remote Sensing facilities	ACTRIS Science Conference 2024 - Book of Abstracts, https://doi.org/10.5281/zenodo.12568878 , 2024	Livio Belegante, Alexandru Marius Dandocsi, Anca Viorica Nemuc, Stefan Marius Nicolae

