

ANEXA 8. Lucrări științifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrari publicate in reviste din baze de date recunoscute			
1.	Analysis of the dynamic behaviour and energy efficiency of an oscillating hydraulic pressure intensifier	Hidraulica Magazine, nr. 1, pp. 7-16, ISSN 1453 – 7303, 2021	Alexandru Polifron Chiriță, Teodor Costinel Popescu, Ioan Bălan, Ana-Maria Popescu, Fănel Dorel Șcheaua
2.	Defining the main parameters of a Darrieus type wind turbine with a power of 1 kW	Hidraulica Magazine, nr. 3, pp. 43-50, ISSN 1453 – 7303 , 2021	Valeriu Dulgheru, Cătălin Dumitrescu, Edmond Maican, Oleg Ciobanu, Radu Rădoi
3.	Drying of biomass in an infrared tunnel with conveyor belt	Hidraulica Magazine, nr. 1, pp. 50-56, ISSN 1453 – 7303, 2021	Ioan Pavel, Gheorghe Șovăială, Alina Iolanda Popescu, Kati Pavel, Dragoș Preda, Bogdan Duran
4.	ECOVALDES branch choppers	Hidraulica Magazine, nr. 4, pp. 70-75, ISSN 1453 – 7303, 2021	Ioan Pavel, Gabriela Matache, Alina Iolanda Popescu, Kati Pavel, Ioan Munteanu
5.	Fast and efficient method for the determination of lysozyme from Galleria Mellonella biomass	Agricultura, vol. 120, nr. 3-4, pp. 47-50, http://dx.doi.org/10.15835/agrisp.v120i3-4.14311 , 2021	A. Becze, M. Naghiu
6.	Intelligent hydraulic system for comparative functional testing of biodegradable working fluids	Hidraulica Magazine, nr. 2, pp. 97-102, ISSN 1453 – 7303, 2021	Liliana Dumitrescu, Ștefan-Mihai Șefu, Ionela-Mihaela Baci, Marian Blejan
7.	Intelligent module for monitoring proportional directional valves in hydraulic drive systems	Mining Machines , vol. 39, nr. 1, pp. 28-35, DOI: 10.32056/KOMAG2021.1.3/ISSN 2719-3306, 2021	Radu – Iulian Rădoi, Marian Blejan, Ioana Ilie, Bogdan – Alexandru Tudor
8.	Monitoring of polycyclic aromatic hydrocarbons in Prunus Spinosa tree components from Cluj-Napoca area, Romania	Agricultura, vol. 120, nr. 3-4, pp. 40-46, http://dx.doi.org/10.15835/agrisp.v120i3-4.14235 , 2021	V. L. Babalau-Fuss, E. Kovacs, A. Becze
9.	Predictive maintenance techniques for wear reducing and elimination of equipment failures in hydrostatic drive systems	Mining Machines , vol. 39, nr. 1, pp. 36-45, DOI: 10.32056/KOMAG2021.1.4/ISSN 2719-3306, 2021	Alexandru Daniel Marinescu, Teodor Costinel Popescu, Krzysztof Nieśpałowski, Ana-Maria Carla Popescu

10.	Research on the use of hydro-pneumatic accumulators in order to reduce the flow rate and pressure pulsations of oscillating hydraulic intensifiers	Mining Machines , vol. 39, nr. 4, pp. 37-46, DOI: 10.32056/KOMAG2021.4.4, 2021	Alexandru-Polifron Chiriță, Teodor Costinel Popescu, Ana-Maria Carla Popescu, Radu-Șerban Dincă, Alexandru Daniel Marinescu
11.	Roadmap towards a bioenergy model of life cycle sustainability assessment	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture, vol. 78, nr. 1, ISSN-L 1843-5254, 2021	E. Kovacs, L. Senila, M.-A. Hoaghia, C. Roman, D. E. Dumitras
12.	Stand for experimental verification of components in the structure of hydraulic drive systems	Hidraulica Magazine, nr. 4, pp. 57-63, ISSN 1453 – 7303, 2021	Liliana Dumitrescu, Ștefan Mihai Șefu, Ionela-Mihaela Baci, Marian Blejan
13.	Strategy for implementation and use of monitoring systems for gearmotors	Hidraulica Magazine, nr. 3, pp. 86-93, ISSN 1453 – 7303, 2021	Paul Lăcătuș, Mihai Ionel, Gabriela Matache, Valentin Barbu
14.	UHPLC method for the quantification of β -sitosterol from walnuts	Agricultura, vol. 120, nr. 3-4, pp. 35-39, http://dx.doi.org/10.15835/agrisp.v120i3-4.14186 , 2021	L. Dordai, M. Naghiu
15.	Upgrading a digital hydraulic switching valve to become an intelligent hydraulic equipment	Hidraulica Magazine, nr. 1, pp. 66-71, ISSN 1453 – 7303, 2021	Bogdan Tudor, Mihai-Alexandru Hristea, Marian Blejan, Ștefan-Mihai Șefu

Lucrari publicate in proceedings-uri indexate in baze de date recunoscute			
1.	An integrated approach for the validation of Sentinel-5P with annual observation	EGU General Assembly 2021, pp. 11151, 10.5194/egusphere-egu21-11151, 2021	D. Ene, J. Vasilescu, M. Boldeanu, A. Calcan, M. Ardelean, D. Constantin, A. Merlaud, D. Schuttemeyer
2.	CFD simulation of an innovative system for hemp seeds drying / Simularea CFD a unui sistem inovativ pentru uscarea semintelor de cânepă	Proc. of ISB-INMA TEH' International Symposium, pp. 384-391, ISSN-L 2344 – 4118, 2021	Olan M., Cârlescu P., Vlăduț V., Păun A., Troțuș E., Popa D., Bunduchi G., Zaica Al., Chiriță Al. P.
3.	Combustion test equipment in low power TLUD gasifiers / Echipament de testare a arderii in gazogenele tip TLUD de putere mica	Proc. of ISB-INMA TEH' International Symposium, pp. 632-641, ISSN-L 2344 – 4118, 2021	Ioan Pavel, Alexandru- Polifron Chirita, Gabriela Matache, Ana-Maria Popescu, Ioan Caba
4.	Ecological product design /	Proc. of ISB-INMA TEH'	Valeriu Dulgheru,

	Proiectarea ecologica a produselor	International Symposium, pp. 642-651, ISSN-L 2344 – 4118, 2021	Catalin Dumitrescu, Ana-Maria Popescu, Marinela Mateescu
5.	Experimental research on obtaining biomass tablets/ Cercetări experimentale de obținere a tabletelor din biomasă	Proc. of ISB-INMA TEH' International Symposium, pp. 210-215, ISSN-L 2344 – 4118, 2021	Găgeanu I., Tabarasu A-M., Persu C., Cujbescu D., Gheorghe G., Dumitrescu C.
6.	Improving the energy efficiency of wind turbines using hydraulic drives / Îmbunătățirea randamentelor energetice ale turbinelor eoliene folosind acționările hidraulice	Proc. of ISB-INMA TEH' International Symposium, pp. 592-601, ISSN-L 2344 – 4118, 2021	Ionela Baci, Polifron Chiriță, Radu Radoi, Petrin Drumea, Iulian Voica
7.	Innovative system for recovery the moisture from air for irrigation of crops from a vegetable greenhouse / Sistem inovativ de valorificare a umidității din aer destinat irigațiilor culturilor dintr-un solar legumicol	Proc. of ISB-INMA TEH' International Symposium, pp. 470-475, ISSN-L 2344 – 4118, 2021	Manea D., Marin E., Mateescu M., Gheorghe G-V., Baltatu C., Dumitrașcu A., Șovăială Gh.
8.	Installation for the production of thermal energy with biomass gasification / Instalație pentru producerea energiei termice cu gazeificarea biomasei	Proc. of ISB-INMA TEH' International Symposium, pp. 618-623, ISSN-L 2344 – 4118, 2021	Catalin Dumitrescu, Radu Radoi, Ioan Pavel, Gheorghe Sovaiala, Valeriu Dulgheru, Iuliana Gageanu
9.	Intelligent drive installation for biomass conveyer / Instalatie de actionare inteligenta pentru transportor de biomasa	Proc. of ISB-INMA TEH' International Symposium, pp. 624-631, ISSN-L 2344 – 4118, 2021	Valentin Barbu, Gabriela Matache, Ioan Pavel, Mihai Ionel, Mihai Olan
10.	Level indicator of liquids in basins and tanks using Arduino Uno / Indicator de nivel al lichidelor în bazine și rezervoare utilizând Arduino Uno	Proc. of ISB-INMA TEH' International Symposium, pp. 456-463, ISSN-L 2344 – 4118, 2021	Cristea M., Matache M., Vladutoiu I., Grigore A.I., Biriș S. S., Ungureanu N., Cristea R.D., Sefu St.
11.	MARS: the First Romanian Pollen Dataset using a Rapid-E Particle Analyzer	Conference: 2021 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 10.1109/SpeD53181.2021.9587447, 2021	Boldeanu M., Marin C., Ene D., Marmureanu L., Cucu H., Burileanu C.
12.	New ecological heating system of a greenhouse of vegetable / Sistem nou de încălzire ecologică a unui solar legumicol	Proc. of ISB-INMA TEH' International Symposium, pp. 496-499, ISSN-L 2344 – 4118, 2021	Mateescu M., Marin E., Manea D., Gheorghe G-V., Baltatu C., Dumitrașcu A., Dulgheru V.
13.	Optimizing consumption in	Proc. of ISB-INMA TEH'	Stefan Sefu, Bogdan

	agricultural machines and installations by using digital hydraulics / Optimizarea consumului in mașinile și instalațiile agricole prin utilizarea hidraulicii digitale	International Symposium, pp. 608-617, ISSN-L 2344 – 4118, 2021	Tudor, Radu Radoi, Ioan Balan, Mario Cristea
14.	Reducing the consumption of raw materials through predictive maintenance and component remanufacturing of fluid power equipment / Reducerea consumului de materii prime prin mentenanță predictivă și remanufacturarea componentelor hidraulice	Proc. of ISB-INMA TEH' International Symposium, pp. 566-571, ISSN-L 2344 – 4118, 2021	Radu Radoi, Catalin Dumitrescu, Stefan Sefu, Bogdan Tudor, Dragos Anghelache
15.	Screw conveyor for biomass / Transportor cu snec pentru biomasa	Proc. of ISB-INMA TEH' International Symposium, pp. 602-607, ISSN-L 2344 – 4118, 2021	Gheorghe Sovaiala, Gabriela Matache, Dragos Preda, Bogdan Duran, Dragos Manea
16.	Sentinel-5p validation campaigns – Planned activities in 2021-2022	EGU General Assembly 2021, pp. 8889, 10.5194/egusphere-egu21-8889, 2021	F. Tack, M. Sha, A. Merlaud, A. Nemuc , D. Schuettemeyer, C. Zehner, M. Van Roozendaal
17.	The ASKOS experiment for the validation of Aeolus L2A aerosol product	EGU General Assembly 2021, pp. 13781, https://doi.org/10.5194/egusphere-egu21-13781 , 2021	Marinou, E., Amiridis, V., Mavropoulou, I., Baars, H., Kazadzis, S., Rosoldi, M., Ene, D. , Barreto, A., Casadio, S., Zenk, C., Sciare, J., Mocnik, G., Kandler, K., Stuut, J.-B., Rodriguez, S., Knipertz, P., Rutz, T., Komppula, M., Daskalopoulou, V., and Hloupis, G
18.	Theoretical aspects of sustainable aquaculture / Aspecte teoretice ale acvaculturii durabile	Proc. of ISB-INMA TEH' International Symposium, pp. 244-251, ISSN-L 2344 – 4118, 2021	Voicea I., Găgeanu I., Matache M., Milian G., Anghelache D., Nenciu F., Dumitru C., Matache G.
19.	Using CFD to improve the performance of a heat exchanger from a gasifier	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD (E3S Web of Conferences), vol. 286, pp. 1010, DOI: 10.1051/e3sconf/20212860101	Liliana Dumitrescu, Edmond Maican, Ioan Pavel, Cătălin Dumitrescu, Iuliana Găgeanu, Andrei Pătruț