

ANEXA 8a. Lucrări științifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrari publicate in reviste din baze de date recunoscute			
1.	Influence and effects of pressure variation on the life span of external gear pumps	Hidraulica Magazine, nr. 1, pp. 88-97, ISSN 1453-7303, 2019	Al.P. Chiriță, T.C. Popescu, Al.D. Marinescu, C-tin Teodoru, C. Crețu
2.	Equipment for obtaining thermal energy by using biomass	Hidraulica Magazine, nr. 2, pp. 62-71, ISSN 1453-7303, 2019	G. Matache, I. Pavel, Gh. Șovăială, A.I. Popescu, M.AL. Hristea
3.	Testing of digital hydraulic cylinders	Hidraulica Magazine, nr. 3, pp. 31-40, ISSN 1453-7303, 2019	I. Pavel, R.I. Rădoi, Al.P. Chiriță, A.I. Popescu
4.	Characterization of Cuprous Oxide Thin Films for Application in Solar Cells	Diffusion Foundations, vol. 22, pp. 65-73, 10.4028/www.scientific.net/DF.22.65, 2019	Ø. Nordseth, I. Chilibon, B. Gunnar Svensson, R. Kumar, S.E. Foss, C. Vasiliu, L. Baschir, Dan Savastru, L. Fara, C. Dumitru, S. Fara, F. Dragan, M. Filipescu, R. Trusca
5.	Non-conventional contact-less method for measurement of materials thermal diffusivity coefficient	Nonconventional Technologies Review, vol. 23, nr. 3, pp. 69-73, 2359-8646, 2019	A.Popescu, Dan Savastru, S. Miclos, L. Baschir, M. Tautan
6.	Simulation of ps laser pulses induced absorption phenomena in materials	Nonconventional Technologies Review, vol. 23, nr. 3, pp. 37-42, 2359-8646, 2019	Dan Savastru, R. Savastru, S. Miclos, I. Lancranjan
7.	Determination of the calorific power of densified solid biofuels	Hidraulica Magazine, nr. 3, pp. 68-75, ISSN 1453 - 7303, 2019	A.I. Popescu, C. Necula
8.	Influence of irrigation, fertilization and cultivar on the carrot production from 2016 to 2018	Agriculture- Science and Practice Journal, vol. 109, nr. 1-2, pp. 43-47, -, 2019	L. Dordai, E. Luca, A. Becze, M.A. Hoaghia
9.	Cypermethrin non-target impact on soil microbial communities: laboratory artificial incubation experiment	Agriculture- Science and Practice Journal, vol. 109, nr. 1-2, pp. 132-139, -, 2019	E. D. Kovacs, T. Rusu, W. L. Szajdak, M. H. Kovacs, C. Roman, D. Tian
10.	Rhizosphere microbiota profile changes with different genetic types of tomato species	Agriculture- Science and Practice Journal, vol. 109, nr. 1-2, pp. 140-150, -, 2019	E.D. Kovacs, T. Rusu, W.S. Lech, M.H. Kovacs, D.Tian, C. Roman

11.	Characterization of Cuprous Oxide Thin Films for Application in Solar Cells	Diffusion Foundations, vol. 22, pp. 65-73, 10.4028/www.scientific.net/DF.22.65, 2019	Ø. Nordseth, I. Chilibon, B. G. Svensson, R. Kumar, S. E. Foss, C. Vasiliu, L. Baschir, D. Savastru, S. Fara, C. Dumitru, M. Filipescu, R. D. Trusca
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Lucrari publicate in proceedings-uri indexate BDI			
1.	Experimental research on a hot air generator working on the TLUD principle	Proc. of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, ISSN 2457 - 3302, ISSN-L 2457 - 3302, 2019	I. Pavel, R.I. Rădoi, G. Matache, A.-M. Popescu, I. Caba
2.	Theoretical analysis of the dynamics of a nacelle drive system in order to optimize the system energy	Proc. of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, ISSN 2457 - 3302, ISSN-L 2457 - 3302, 2019	L. Dumitrescu, Al.P. Chiriță, C. Cristescu, I. Lepădatu, E. Laza
3.	Improving the composting of waste materials from agricultural farms, a step towards sustainable agriculture	Proc. of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, ISSN 2457 - 3302, ISSN-L 2457 - 3302, 2019	I. Caba, D. Bordean, Gh. Matei, M. Matei, I. Pavel
4.	Greenhouse heating by using an installation of biomass gazeification	Proc. of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, ISSN 2457 - 3302, ISSN-L 2457 - 3302, 2019	E. Laza, L. Dumitrescu, M. Boboc, G. Moiceanu
5.	Trends and solutions in mechanized soil sampling for mapping of agricultural land /Tendințe și soluții în prelevarea mecanizată a probelor de sol pentru cartarea terenurilor agricole	Proc. of ISB-INMA TEH' International Symposium, pp. 741-748, ISSN-L 2344 - 4118, 2019	Al.P. Chiriță, I.-M. Baci, C. Cristescu, L. Dumitrescu
6.	Differential piston injection device with control mechanism with piloted hydraulic valves / Dispozitiv de injectie cu piston diferential cu mecanism de comanda cu supape hidraulice pilotate	Proc. of ISB-INMA TEH' International Symposium, pp. 707-714, ISSN-L 2344 - 4118, 2019	Gh. Șovăială, G. Matache, S. Anghel, A.I. Popescu, C. Necula, D. Manea

7.	Extendable remote controlled portable barrier for stopping vehicles by controlled tire deflation	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 42-48, ISSN 1454 - 8003, 2019	I. Pavel, Gh. Șovăială, I. Bălan, A.-M. Popescu
8.	Considerations regarding the use of hydrostatic transmissions in wind turbines	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 111-119, ISSN 1454 - 8003, 2019	T.C. Popescu, I.C. Dumitrescu
9.	S-curve motion profiles generator for hydraulic actuators	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 124-127, ISSN 1454 - 8003, 2019	I. Ilie, M. Blejan, R. Blejan
10.	Radio controlled hydraulic pillar	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 146-151, ISSN 1454 - 8003, 2019	M.-Al. Hristea, B. Tudor, Șt.M. Șefu
11.	Mechanical testing equipment for pellets and briquettes	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 152-158, ISSN 1454 - 8003, 2019	Gh. Șovăială, G. Matache, A.I. Popescu, C. Necula
12.	Vibroacoustic predictive investigations on normal or defective operation of hydrostatic pumps	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 169-176, ISSN 1454 - 8003, 2019	Al.D. Marinescu, N. Orășanu, C.-A. Safta, C. Cristescu
13.	Use of 3D printing technology for prototyping in mechanical engineering	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 177-189, ISSN 1454 - 8003, 2019	Al.P. Chiriță, L. Dumitrescu, Șt.M. Șefu, I.-M. Baciuc
14.	Fluid power, industry 4.0 and circular economy	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 191-197, ISSN 1454 - 8003, 2019	P. Drumea, A.-M. Popescu, I.C. Dumitrescu
15.	Biomass conveyor belts in microwave field	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 205-210, ISSN 1454 - 8003, 2019	M.-Al. Hristea, A. Perebicianu, G. Matache, Șt.M. Șefu
16.	Low power energy system for generating electricity from solar and wind sources	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 211-216, ISSN 1454 - 8003, 2019	Gh. Șovăială, R.I. Rădoi, G. Matache, A.I. Popescu, V. Barbu

17.	Electrohydraulic control devices	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 223-228, ISSN 1454 - 8003, 2019	P. Drumea, I. Bălan, M. Blejan, R.I. Rădoi
18.	Vibrating platforms with hydraulic actuation	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 237-242, ISSN 1454 - 8003, 2019	P. Drumea, I. Pavel, B.Al. Tudor, Șt.M. Șefu, M.-Al. Hristea
19.	Experimental model of a combined system of thermal energy production, based on solar and biomass energy	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 249-255, ISSN 1454 - 8003, 2019	P. Drumea, L. Dumitrescu, C. Cristescu
20.	Mechanical-hydraulic control mechanism for differential piston injection devices	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 308-314, ISSN 1454 - 8003, 2019	Gh. Șovăială, G. Matache, S. Anghel, A.I. Popescu, C. Necula, D. Manea
21.	Argumentation of the geometric parameters of the wind rotor with vertical axis	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 308-314, ISSN 1454 - 8003, 2019	V. Dulgheru, L. Dumitrescu, C. Cristescu, E. Guțiu
22.	Method and demonstrating installation for recovery of titanium and tungsten oxides from spent SCR catalyst Part I - Scaling of hydrodynamic cavitation method	Proc. of International Conference on Hydraulics and Pneumatics HERVEX, pp. 243-248, ISSN 1454 - 8003, 2019	A. Ciocănea, R. Sauciuc, I. Lepădatu, S. Budea, Șt.M. Șefu, Șt.M. Simionescu
23.	Multi-step approach for characterization of artworks based on hyperspectral imaging and complementary techniques	Proc. of 11th International Conference on Developments in eSystems Engineering , pp. 113-116, ISBN: 978-1-5386-6712-5, 2019	R. Rădvan, L. Ratoiu, I.M. Cortea, A. Chelmuș, L.M. Angheluță, D. Marinescu
24.	Macro photogrammetry for the damage assessment of artwork painted surfaces	Proc. of The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XLII-2/W15, pp. 101-107, DOI: 10.1080/ 15583058. 2019.1568614, 2019	L. Angheluță, R. Rădvan
25.	Aerial investigations corroboration for archaeology and monuments	Proc. of 11th International Conference on Developments in eSystems Engineering , DOI: 10.1109/DeSE.2018.00024, 2019	A. Chelmuș, R. Rădvan, L.M. Angheluță

ANEXA 8b. Carti si capitole de carte

Nr. Crt.	TITLUL CARTII	EDITURA	AUTORII
1.	Nanomaterials for medical applications and their antimicrobial advantages (Chapter 15) in <i>Materials for Biomedical Engineering: Bioactive Materials for Antimicrobial, Anticancer, and Gene Therapy</i>	Editura Elsevier, pp. 409-430, 10.1016/B978-0-12-818435-6.00015-3, 2019	A. Vladescu, M. Badea, S.C. Padmanabhan, G. Paraschiv, L. Floroian, L. Gaman, M.A. Morris, C.M. Cotrut
2.	Crude Bioethanol Reforming Process: The Advantage of a Biosource Exploitation (Chapter 10), in <i>Ethanol -Science and Engineering</i>	Editura Elsevier, pp. 257-288, https://doi.org/10.1016/B978-0-12-811458-2.00010-9 , 2019	M. D. Lazar, L. Senila, M. Dan, M. Mihet
3.	Materiale nanostructurate pentru dispozitive optoelectronice: Aplicatii	Editura Tehnopress, pp. 1-137, 978-606-687-378-9, 2019	M.I. Rusu
4.	Detecția conului Cherenkov în mediu salin	Editura Tehnopress, pp. 1-200, 978-606-687-378-9, 2019	V. Savu
5.	Materiale complexe organice cu aplicatii in optoelectronica	Editura Tehnopress, pp. 1-150, 978-606-687-378-9, 2019	L. Baschir
6.	Optoelectronica pentru patrimoniu cultural sau despre cum se investighează optim /in MEȘTEȘUG ȘI PRESTIGIU: Depozitele hallstattiene de obiecte din bronz și fier de la Tărtăria. Documentarea unei colecții (I)	Editura „Istros” a Muzeului Brăilei „Carol I”, vol. 1, pp. 66-95, ISBN: 978-606-654-337-8, 2019	C. Borș, R. Rădvan (editori) M. Dinu, L. Angheluta, A. Chelmuș, I. Cornea, L. Ghervase
7.	Investigații aeriene. Coroborarea datelor rezultate în QGIS în Cercetări multidisciplinare pentru evaluarea stării de conservare a unor situri rupestre din zona Aluniș-Bozioru (Munții Buzău) incluse în patrimoniul cultural național (2017-2018)	Editura Top FORM, Editura UNIVERS ȘTIINTIFIC, vol. IV, ISBN: 978-606-8550-68-8 / 978-973-1944-58-6., 2019	A. Chelmuș, L. Ratoiu, L.M. Angheluta (editori) A. Petculescu, A. Razvan, L. Faur, I. Mirea, M. Vlaicu, A. Giurginca, I. Popa, Ș. Baba, R. Plăiașu, A. Nae
8.	Aspecte ale condițiilor de microclimat care influențează măsurile de conservare din muzee, depozite și monumente. Studiu de caz	Editura Top FORM, Editura UNIVERS ȘTIINTIFIC, 978-606-8550-91-6, 2019	A.Chelmuș
9.	Practical guide and applications of photogrammetry in cultural heritage 3D digitization	Editura MEGA, 978-606-020-106-9, 2019	L.M. Angheluță
10.	Cultura irigată a morcovului în zona colinară a Transilvaniei	Editura Alma Mater, ISBN : 978-606-504-221-6, 2019	L. Dordai, C. Roman, A. Becze, E. Luca

ANEXA 8c. Articole publicate in jurnale neindexate

Nr. Crt.	TITLUL	REVISTA	AUTORII
1.	Extraction of chlorophyll a, b and carotenoids from Nannochloropsis oculata after heavy metal adsorption	Proc. of the 25th International Symposium on Analytical and Environmental Problems, pp. 202-205, ISBN978-963-306-702-4, 2019	Z. Dinca, A. I. Török, M.-A. Hoaghia, E. Kovács, E. Neag
2.	Method Validation for Determining Platinum and Palladium in Catalysts using Inductively Coupled Plasma Optical Emission Spectrometry	Proc. of International Conference on Analytical Chemistry and Applied Spectroscopy , -, 2019	M. Senila, O. Cadar, T. Jänisch, P. Lacroix-Desmazes