

**Articole publicate pe fluxul principal al publicațiilor  
(2017)**

**Lucrări publicate în reviste și proceedinguri cotate ISI**

1. R.M. Novac , **E. Vasilescu** , S. Patriche , G. Cârâc, *Micro Particles of TiO<sub>2</sub> and ZrO<sub>2</sub> on the Electrocodeposited Nickel Composite Layers*, International Journal of Nano Corrosion Science and Engineering, Volume 4: Issue1, Year 2017, IF: 4,980, p. 81-93;
2. Vlad Gabriel Vasilescu, Ion Sandu, Gheorghe Nemtoi, Andrei Victor Sandu, Vasilica Popescu, Viorica Vasilache, **Elisabeta Vasilescu**, *The Reactivity of Ti10Zr Alloy in Biological and Electrochemical Systems in Presence of Chitosan*, RSC Adv., 2017, 7, 13919–13927 | 13919, IF: 3,289;
3. Vlad Gabriel Vasilescu, **Elisabeta Vasilescu**, Dumitru Dima, Toma Lucian Ciocan, A. Semenescu, F. Bogdan, Ileana Mateș, O. R. Chivu, *Contributions on Setting the Optimal Regime of Antibacterial Deposition on the Surface of the Oral Implant of Ti10Zr Bio-Alloy*, REV.CHIM.(Bucharest) 68, No. 1/2017, p. 55-59, IF: 1,232;
4. Vlad Gabriel Vasilescu, **Elisabeta Vasilescu**, A. Semenescu, F. Bogdan, Ileana Mateș, O. R. Chivu, *Contributions Regarding the Influence of the Antibacterial Chemical Deposits on the Surface of the Oral Implant of the Ti10Zr Bio-Alloy on its Behavior During Use*, REV.CHIM.(Bucharest) 68, No. 2/2017, , p. 238, IF: 1,232;
5. M.I. Marcus, **M. Vlad**, M.A. Mitu, A.M. Anghel, F. Marinescu, L. Laslo, M. Ilie, R. Szep, G. Ghita, M. Matei, E. Holban, F. D. Dumitru, *Recovery of galvanic sludge by physicochemical mechanisms*, Journal of Environmental Protection and Ecology 18, No 3 p.1117-1126 (2017), ISSN 1311-5065, [www.scibulcom.net](http://www.scibulcom.net), I F: 0,774;
6. Ilonuta Severin, **Maria Vlad**, *The influence of the properties of the material used for obtaining geopolymers on their structure and compressive strength*, Revista de chimie, no.6/2017, volum 68, pag.1282-1187, <http://www.revistadechimie.ro>, I F: 1.232;
7. **Papadatu, C.P.**, Sandu, A.V., **Bordei, M.**, Sandu, G., *Evolution of the Plasticity of Some Low Carbon Steels, Subjected to Directed Cooling from High-temperature*, Rev.Materiale Plastice, vol.54/4, Dec.2017, pp.759-764, , ISSN 0025-5289, I.F = 0,778;
8. **Papadatu, C.P.**, Sandu, A.V., **Bordei, M.**, Sandu, G., *Structural Changes in the Superficial Layers of a Non-conventional Treated Steel Subjected to a Wear Process*, Revista de Chimie, F.I.=1,232, Vol.68/10, oct.2017, pp. 2329-2333, ISSN 0034-7752, I.F. =1,232;
9. **Papadatu, C.P.**, Sandu, A.V., **Bordei, M.**, Sandu, G., *Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma*, Revista de Chimie, Vol.68/4, Apr..2017, pp. 675-679, ISSN 0034-7752, F.I.=1,232;
10. Stefan Catalin Pintilie, **Laurentia Geanina Tiron**, Iulian Gabriel Birsan, Daniel Ganea, Stefan Balta, *Influence of ZnO nanoparticle size and concentration on the polysulfone membrane performance*, Jurnalul de Materiale Plastice Vol.54, No.2, 2017 – F.I : 0.778;

11. **Papadatu C.P.**, *Experimental studies regarding wear processes through dry friction of the superficial layer for an unconventional treated steel*, IOP Conferences Series, Materials Science and Engineering, Volume: 174, 2017, DOI: 10.1088/1757-899X/174/1/012014 ISI PROC.
12. Potecasu F, **Bordei M**, Sandu I., *Structural analysis of fragments of the broken coat of a cylinder which led to the dismantling of a combustion engine* Materiale Plastice, Volume 54, Issue 4, December 2017, Pages 715-719, ISSN: 0025-5289; FI: 0,778;
13. **Laurentia Geanina TIRON**, Ștefan Cătălin Pintilie, **Maria Vlad**, Iulian - Gabriel Birsan, Ștefan Balta, *Characterization of polysulfone membranes prepared with thermally induced phase separation technique*, IOP Conf. Series: Materials Science and Engineering, Vol. 209(1), 2017, ISSN: 17578981, doi:10.1088/1757-899X/209/1/012013;
14. **Laurentia Geanina Tiron**, Ștefan Cătălin Pintilie, **Maria Vlad**, Ștefan Baltă, Andreea Liliana Lazăr, *The influence of the polysulfone concentration on membrane retention properties*, Ecology, Economics, Education And Legislation Conference Proceedings, SGEM 2017, International Multidisciplinary Scientific GeoConference-SGEM, Vol.II, pg.391-398, 2017, ISSN 17578981;
15. G. Murariu, V.Hahuie, Adrian G. Murariu, Lucian Georgescu, Mihaela Alina Calin , **Daniela buruiana**, Ionica Soare , Mihaela Onica , Gabriel Bogdan Carp, *Growth rate modeling for white poplar in the South Eastern part of Romania: An important issueof forest conservation*. International Journal of Conservation Science 8(2):303-316 • April-Junie 2017, pp 303-306, IF: 0.78;
16. G.Murariu , Valentin Hahuie, A. Murariu , L. Georgescu, Catalina Iticescu, Mihaela Calin, Ciprian Preda, **Daniela Laura Buruiana**, Gabriel Bogdan Carp, *Forest monitoring method using combinations of satellite and uav aerial images. case study - Bălăbănești forest*, International Journal of Conservation Science Volume 8, Issue 4, October-December 2017: 703-714, pp. 703-714, FI: 0.78;
17. **Vasile Basliu**, **Maria Vlad**, Gelu Movileanu, *Obtaining composite materials with technological role by incorporating granular particles in metal matrix*. Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 79-84, doi:10.4028/www.scientific.net/AMR.1143.79, © 2017 Trans Tech Publications, Switzerland;
18. **Maria Iuliana Mărcuș**, **Maria Vlad**, A. Mihaela Mîțiu, *Influence of Different Galvanic Sludge Types on the Extraction Efficiency of Chromium Ions*,, **Advanced Materials Research** ISSN: 1662-8985, Vol. 1143, pp 108-114, doi:10.4028/www.scientific.net/AMR.1143.79, © 2017 Trans Tech Publications, Switzerland;
19. Illeuta Severin, **Maria Vlad**, *Properties of Alkali Activated Ground Granulated Blast Furnace Slag Based Geopolymers*, 7th Conference on Material Science & Engineering – UGALMAT 2016, mai 19 – 21, 2016, **Advanced Materials Research** ISSN: 1662-8985, Vol. 1143, pp 114-120, doi:10.4028/www.scientific.net/AMR.1143.79, © 2017 Trans Tech Publications, Switzerland;

20. Ilenuța Severin, **Maria Vlad**, *The influence of the properties of the material used for obtaining geopolymers on their structure and compressive strength*, Revista de chimie, no.6/2017, volum 68, pag.1282-1187, <http://www.revistadechimie.ro>, I F: 1.232;
21. **Vasilica Viorica Corcoțoi Tonită, Maria Vlad**, Ilenuța Severin, Andrei Berbecaru, *Chemical and Mineralogical Composition Influence of Steelworks Dust on Agglomerate Quality*, 7th Conference on Material Science & Engineering – UGALMAT 2016, mai 19 – 21, 2016, **Advanced Materials Research** ISSN: 1662-8985, Vol. 1143, pp 120-127, doi:10.4028/www.scientific.net/AMR.1143.79, © 2017 Trans Tech Publications, Switzerland;
22. **Tamara Radu, Lucica Balint**, Gina Genoveva Istrate, **Beatrice Tudor**, *Environmental risk assessment by risk matrix method*, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, June 28 - July 6, 2017, Albena, Bulgaria [www.sgem.org](http://www.sgem.org), Conference Proceedings, Doi 105593/sgem2017/51 ISBN 978-619-7408-08-9 / ISSN 1314-2704, Vol. 17, issue 51, 395-402 pp;
23. **Lucica Balint, Tamara Radu, Anisoara Ciocan**, Stela Constantinescu, *Influence of Al<sub>2</sub>O<sub>3</sub> nanoparticles on hardness and wear resistance of Ni-P-Al<sub>2</sub>O<sub>3</sub> composite coatings prepared by electroless method*, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, June 28 - July 6, 2017, Albena, Bulgaria [www.sgem.org](http://www.sgem.org), Conference Proceedings, Doi 105593/sgem2017/61, ISBN 978-619-7408-12-6 / ISSN 1314-2704, Vol. 7, issue 61, 163-170 pp;
24. **Tamara Radu**, *Obtaining of the Ni-P coatings on steel strips*, Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 20-25 ; doi:10.4028/www.scientific.net/AMR.1143.20 © 2017 Trans Tech Publications, Switzerland. Advanced Materials Research Vol. 1143, Book - Nanotechnologies and Advanced Materials, Edited ttt - TRANS TECH PUBLICATIONS, ISBN: 978-3-0357-1069-4, Electronically available at <http://www.scientific.net>, <http://www.ttp.net/978-3-0357-1069-4.html>, http://www.scientific.net pp 20-25 ; doi:10.4028/www.scientific.net/AMR.1143.20 © 2017;
25. **A. Ciocan, B. Tudor**, *Effect of secondary vacuum treatment on performance characteristics of a 516 grade 65 carbon steel*, Advanced Materials Research, ISSN: 1662-8985, Vol. 1143, pp 38-44 , doi:10.4028/www.scientific.net/AMR.1143.38, 2017 Trans Tech Publications, Switzerland, Submitted: 2016-06-01, Revised: 2016-07-19, Accepted: 2016-09-06, Online: 2017-02-17, MSF. 978-3-0357-1069-4\_38;
26. Ștefan Cătălin Pintilie, **Laurenția Geanina Tiron**, Andreea Liliana Lazar, Iulian Gabriel Bîrsan, Ștefan Baltă, *Nanoparticle embedded mixed matrix psf membranes characterization and membrane performance*, Ecology, Economics, Education And Legislation Conference Proceedings, SGEM 2017, Vol.II, International Multidisciplinary Scientific GeoConference-SGEM, pg. 249-256, 2017;
27. **Beatrice Tudor**, Gina Istrate, *Study on the pollution of soil from an area of crude oil extraction*, Authors: 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Albena, Bulgaria, section Soils, Conference Proceedings Volume 17, Water Resources, Forest, Marine and Ocean Ecosystems, Issue 32, pp.547-555, ISBN 978-619-7408-05-8, ISSN 1314-2704, DOI: 10.5593/sgem2017/32;

28. Elena Lăcrămioara Lisa, Bogdan Gabriel Carp, **Daniela Laura Buruiana, Marius Bodor**, Claudia Simona Stefan, *The necessity of improving the quality of water for usage and drainage in environment in the metropolitan area Galati-Braila*, SGEM2017, Bulgaria, vol. 17, 2017, p. 717-722, ISBN 978-619-7408-04-1;
29. Bogdan-Gabriel Carp, **Daniela Laura Buruiana, Stefan DRAGOMIR**, Elena Lăcrămioara Lisă, *The Use Of Environmentally-Friendly Materials In Harmony With The European Legislation To The Construction Of Energy Passive Dwellings*, SGEM 2017, Bulgaria, Section Ecology and Environmental Protection, volume 17, pp 1017, ISBN 978-619-7408-08-9;

### **Lucrări în reviste indexate în baze de date internaționale**

1. **Dragomir Stefan**, Dragomir, Georgeta (2017). Study and Analysis on the Instability of Galati Town at Danube Cliff Area, *Journal of Danubian Studies and Research*, vol. 7, no. 1, p. 68-75, Print ISSN: 2284 – 5224, Online ISSN: 2392 -8050.
2. **Dragomir Stefan**, Dragomir, Georgeta (2017). *Water Quality Discharged from Galati Town Area Throw Sewerage Network, in the Danube River*, Journal of Danubian Studies and Research, vol. 7, no. 1, p. 58-67, Print ISSN: 2284 – 5224, Online ISSN: 2392 – 8050.
3. **A. Ciocan**, *Analyze of factors with considerable action on recycling weee focussed on metals recovery*, The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X, 2017, No.1, pp.62-69.
4. **A. Ciocan**, *Analysis tools for sustainable management of cell phone waste in order to metals recovery*, The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X,, ISSN 1453 – 083X, 2017, No.2, pp.11-19.
5. **A. Ciocan, B. Tudor**, *Recycling of hematite fine waste by pelletisation*, The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X,, ISSN 1453 – 083X, 2017, No.3.
6. **Tamara Radu**, *Ni-P coating on steel support by electroless method*, The Annals of “Dunarea de Jos” University of Galati. fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X, 2017.
7. **Tamara Radu**, *Management of the environmental risks identified in an organization*, The Annals of “Dunarea de Jos” University of Galati. fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X, 2017.
8. **Elisabeta Vasilescu**, *Eco-proiectarea proceselor în ingineria materialelor*, Buletinul AGIR nr. 1/2017 / ianuarie-martie, p.166.
9. **Elisabeta Vasilescu**, *Surse de energie pentru o dezvoltare durabilă*, Buletinul AGIR nr. 1/2017 / ianuarie-martie, p.121.
10. Vlad Gabriel Vasilescu, **Elisabeta Vasilescu**, *Deșeurile medicale – generare, gestionare și eliminare ecologică*, Buletinul AGIR nr. 1/2017, p.275-279.

11. **B. Tudor**, A. Ciocan, *Study on the soil chemical pollution in the area of the residual bauxite lake "Miners" – Tulcea*, , The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X,, ISSN 1453 – 083X,, 2017, No.3.
12. G. B. CARP, N. C. Pinzariu, S. Palas, M. Gingarasu, **D. L. Buruiana**, *Contributuiions to increasing the quality of urban life through the use of an intelligent road traffic management system*, The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, ISSN 1453 – 083X,, ISSN 1453 – 083X,, No. 2 - 2017, pp. 45-49, ISSN 1453-083X.