

COMISIA INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE

(conform OMECTS 6560 / 20.12.2012, Anexa nr. 8)

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR

NT = număr total de articole în reviste ISI

FIC = factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

NC = număr total de citări (din baza SCOPUS)

Concurs de Profesor

a) **NT ≥ 25**

b) **NP ≥ 12**

c) **FIC ≥ 16 ***

d) **NC ≥ 40**

* In acest caz in calculul FIC se tine cont de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal si respectiv de factorul de impact împărțit la numarul de autori pentru revistele in care candidatul a publicat un articol în care nu este autor principal

Gabriela-Alina DUMITREL

a) NT = 33 (NT (min) = 25)

b) NP = 14 (NP (min) = 12)

c) FIC = 17,568 (FIC (min) = 16)

d) NC = 73 (NC (min) = 40)

Gabriela-Alina DUMITREL

FIC =	17.568
FIC (min)	16

Nr. crt.	Articol publicat in revista cotata ISI (vezi lista de lucrari)	Autor principal (prim-autor sau autor de corespondenta)	Nr. total autori	Ultimul Factor de Impact ISI (la momentul inscrierii la concurs)	FIC
1	Dumitrel, G.A.: Cioabla, A.E.; Ionel, I.; Varga, L.A., Experiments and Modeling of biogas Production by Anaerobic Digestion of Agricultural Resources, <i>Revista de Chimie</i> 2017 , 68(6), acceptata spre publicare	1	4	0.956	0.956
2	Cioabla, A.E.: Dumitrel, G.A.*; Ionel, I., Evaluation of anaerobe Digestion Performances of some substrates and co-substrates with simple models, <i>Revista de Chimie</i> 2017 , 68(12), acceptata spre publicare	1	3	0.956	0.956
3	Cioabla, A.E.; Djuric, A.; Dumitrel, G.A.*; Chiria, D.; Pode, V., Biogas Production Using Waste Waters – Influence of Process Parameters for Test RIG at Laboratory Scale, <i>Studia UBB Chemia</i> , 2017 , LXII, 1, 51-60	1	5	0.148	0.148
4	Popa, M.; Dumitrel, G.A.; Glevitzky, M.; Popa, D.V., Anthropogenic Contamination of Water From Galda River - Alba County, Romania, <i>Agriculture and Agricultural Science Procedia</i> 2015 , 6, 446-452	1	4	0.000	0.000
5	Dumitrel, G.A.; Glevitzky, M.; Popa, M.; Vica, M.L., Studies regarding the heavy metals pollution of streams and rivers in Rosia Montana Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (3), 850-860	1	4	0.734	0.734
6	Vica, M.L.; Glevitzky, M.; Dumitrel, G.A.*; Junie, L.M.; Popa, M., Antibacterial activity of different natural honeys from Transylvania, Romania, <i>Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes</i> 2014 , 49, 176-178	1	5	1.247	1.247
7	Popa, M.; Glevitzky, M.; Popa, D.M.; Dumitrel, G.A.*; Study Regarding the Water Contamination and the Negative Effects on the Population from the Blaj Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , 15, 1543-1554	1	4	0.734	0.734
8	Vica, M.; Popa, M.; Dumitrel, G.A.; Glevitzky, M.; Todoran, A., Study on Microbiological Quality and Pollution Control of Groundwater from Different Areas in the Alba County, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , 15, 64-72	0	5	0.734	0.147
9	Cara, M.C.; Dumitrel, G.A.*; Glevitzky, M.; Mischie, C.; Silaghi-Perju, D., Thermal Degradation of Streptomycin Residues in Honey During Storage, <i>Food Technology and Biotechnology</i> 2013 , 51, 429-433	1	5	1.179	1.179
10	Cioabla, A.E.; Ionel, I.; Tenchea, A.; Dumitrel, G.A.; Pode, V., Solid Biofuel Database - Potential of using Vegetal Biomass in Biogas Production, <i>Revista de Chimie</i> 2013 , 64, 186-190	0	5	0.956	0.191
11	Dumitrel, G.A.; Popa, M.; Glevitzky, M.; Vica, M.; Todoran, A., Evaluation of Soil Heavy Metal Pollution in the Zlatna Region, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 1569-1576	1	5	0.734	0.734

12	Cioabla, A.E.; Ionel, I.; Bisorca, D.; Neamt, I.; Dumitrel, G.A. , Small-Scale Biogas Production using Residual Sludge as Substrate, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 1777-1784	0	5	0.734	0.147
13	Cioabla, A.E.; Dumitrel, G.A. ; Ionel, I., Biogas Production by Anaerobic Digestion of Agricultural Biomass: Factorial Design Analysis, Interdisciplinary Research in Engineering: Steps Towards Breakthrough Innovation for Sustainable Development, <i>Book Series: Advanced Engineering Forum</i> , 2013 , 8-9, 85-92	0	3	0.000	0.000
14	Popa, M.; Glevitzky, M.; Dumitrel, G.A. , Microbiological Risk Assessment of Ice-Cream Products, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 263-272	0	3	0.734	0.245
15	Crivineanu, M.F.; Dumitrel, G.A. ; Silaghi Perju, D.; Jinescu, C.; Negrea, A., The Influence of Environmental Factors on Sedimentation Dynamics of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(10), 1051-1055	0	5	0.956	0.191
16	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A. ; Popescu F., Comparative study on factors affecting anaerobic digestion of agricultural vegetal residues, <i>Biotechnology for biofuels</i> 2012 , 5:39, 1-9	0	4	6.444	1.611
17	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A. ; Negrea, P.; Pode, V., Biogas Production through Anaerobic Digestion of some Agro-Industrial Residues, <i>Revista de Chimie</i> 2012 , 63(6), 629-632	0	5	0.956	0.191
18	Crivineanu, M.F.; Perju, D.; Dumitrel, G.A. ; Silaghi Perju, D., Mathematical Models Describing the Emission and Distribution of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(4), 435-439	0	4	0.956	0.239
19	Popa, M.; Glevitzky, M.; Popa, D.M.; Varvara, S.; Dumitrel, G.A. , Study on Soil Pollution with Heavy Metals near the River Ampoi, the Alba County, <i>Journal of Environmental Protection and Ecology</i> 2012 , 13, 2123-2129	0	5	0.734	0.147
20	Cara, M.C.; Dumitrel, G.A.* ; Glevitzky, M.; Perju, D., Stability of tetracycline residues in honey, <i>Journal of the Serbian Chemical Society</i> 2012 , 77(7), 879-886	1	4	0.970	0.970
21	Pacurariu, C.; Lazau, R.I.; Lazau, I.; Tita, D.; Dumitrel, G.A. , Non-isothermal crystallization kinetics of some aventurine decorative glaze, <i>Journal of Thermal Analysis and Calorimetry</i> 2011 , 105(2), 435-441	0	5	1.781	0.356
22	Calisevici, M.N.; Perju, D.M.; Lysandrou, M.C.; Dumitrel, G.A. ; Glevitzky, M., Determination of anion and cation contents in Cyprus drinking waters by HPLC method, <i>Journal of Food Agriculture & Environment</i> 2011 , 9(1), 65-68	0	5	0.435	0.087
23	Ordodi, V.; Dumitrel, G.A. ; Gruia, A.; Iacob, M.; Jinescu, G.; Perju, D., Electrochemical Microinstallation for Cytostatic Wastes Eparation, <i>Revista de Chimie</i> 2010 , 61(9), 857-861	0	6	0.956	0.159
24	Silaghi-Perju, D.; Pirlea, H.; Jinescu, G.; Dumitrel, G.A. ; Perju, D., NO ₂ Dispersion Process Simulation in Urban Areas by Analytical-Experimental Methods, <i>Studia Universitatis Babeș-Bolyai Chimia</i> 2009 , 54(1), 165-172	0	5	0.148	0.030
25	Glevitzky, M.; Perju, D.; Dumitrel, G.A. ; Popa, M.; Vica, M.L., Water Activity - Indicator of Food Safety and the Factors that Influence the Biochemical Stability of Soft Drinks, <i>Studia Universitatis Babeș-Bolyai Chimia</i> 2009 , 54(1), 181-188	0	5	0.148	0.030
26	Glevitzky, M.; Pop, M.; Brusturean, G.A. ; Bogdan, I.; Calisevici, M.; Perju, D., Efficient Use of Andoxidants to Preserve Fruit Juice, <i>Revista de Chimie</i> 2008 , 59(12), 1291-1295	0	6	0.956	0.159

27	Perju, D.; Pirlea, H.; Brusturean, G. A. ; Silaghi-Perju, D.; Marinescu, S., Modelling and Simulation of NO ₂ Dispersion Phenomenon in Atmosphere by Analytical-Experimental Methods, <i>Revista de Chimie</i> 2008 , 59(10), 1112-1116	0	5	0.956	0.191
28	Glevitzky, M.; Bogdan, I. ; Brusturean, G.A. ; Perju, D; Silaghi-Perju, D., Study on the inhibition process of the natural juice degradation under different thermal treatments through pasteurization, <i>Revista de Chimie</i> 2008 , 59(5), 595-600	0	5	0.956	0.191
29	Brusturean, G.A. : Todinca, T.; Perju, D.; Carre, J.; Rusnac, C., Soil vapour extraction of synthetic gasoline mixture: Experimental observations and model predictions, <i>Revista de Chimie</i> 2007 , 58(12), 1268-1273	1	5	0.956	0.956
30	Brusturean, G.A. : Todinca, T.; Perju, D.; Carre, J.; Bourgos, J., Soil clean up by venting: Comparing between modelling and experimental voc.removal results, <i>Environmental Technology</i> 2007 , 28(10), 1153-1162	1	5	1.760	1.760
31	Brusturean, G.A. : Perju, D.; Carre, J.; Silaghi-Perju, D.; Dumitrel, D., Statistical model of the influence of pollutants aging on the venting depollution process of a soil polluted with VOC, <i>Revista de Chimie</i> 2006 , 57(3), 312-317	1	5	0.956	0.956
32	Brusturean, G.A. : Carre, J.; Perju, D.; Todinca, T., Study of the influence of temperature the venting depollution process of soils contaminated with volatile organic compounds, <i>Journal of the Serbian Chemical Society</i> 2006 , 71(12), 1353-1361	1	4	0.970	0.970
33	Perju, D.; Suta, M.; Rusnac, C.; Brusturean, G.A. *, Contributions to the heat transfer study using analogue-digital systems, <i>Revista de Chimie</i> 2003 , 54(3), 250-255	1	4	0.956	0.956

TOTAL "FIC":	17.568
"FIC" min:	16

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NC =	73
NC (min)	40

Nr. crt.	Articol publicat in revista cotate ISI (vezi lista de lucrari)	Autor principal (prim-autor sau autor de corespondenta)	Nr. total autori	Factor de Impact ISI (la momentul inscrierii la concurs)	Numar citari
1	Vica, M.L. ; Glevitzky, M.; Dumitrel, G.A.* ; Junie, L.M.; Popa, M., Antibacterial activity of different natural honeys from Transylvania, Romania, <i>Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes</i> 2014 , 49, 176-178 . Citata de (cf. SCOPUS):	1	5	1.247	
	Tramuta, C. , Nebbia, P., Robino, P., Giusto, G., Gandini, M., Chiado-Cutin, S., Grego, E., Antibacterial activities of Manuka and Honeydew honey-based membranes against bacteria that cause wound infections in animals, <i>Schweizer Archiv fur Tierheilkunde</i> . 2017 , 159(2), pp. 117-121 (ISI 0.492)				1
	Grego, E., Robino, P., Tramuta, C., Giusto, G., Boi, M., Colombo, R., Serra, G., Chiado-Cutin, S., Gandini, M., Nebbia, P., Evaluation of antimicrobial activity of Italian honey for wound healing application in veterinary medicine, <i>Schweizer Archiv fur Tierheilkunde</i> . 2016 , 158(7), pp. 521-527 (ISI 0.492)				1
	Borycka, K., Grabek-Lejko, D., Kasprzyk, I. Antioxidant and antibacterial properties of commercial bee pollen products, <i>Journal of Apicultural Research</i> . 2015 , 54 (5), pp. 491-502 (ISI 2.084)				1
2	Popa, M.; Glevitzky, M.; Popa, D.M.; Dumitrel, G.A.* , Study Regarding the Water Contamination and the Negative Effects on the Population from the Blaj Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , 15(4): 1543-1554. Citata de (cf. SCOPUS):	1	4	0.838	
	Vica, M.L., Junie, L.M., Grad, A.I., Tataru, A., Matei, H.V. ., EDetermination of sexually transmitted diseases frequency by simultaneous detection of six pathogens using PCR methods, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (4), pp. 1603-1611 (ISI 0.734)				1
	Tamas-Szora, A.; Danuletiu, D.-C.; Socol, A.; Danuletiu, A.-E., Environmental assessment of the projects financed by European Union in Romania. Ex-post appraisal and lessons that can be learnt, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (3), pp. 1179-1193 (ISI 0.734)				1
3	Vica, M.; Popa, M.; Dumitrel, G.A. ; Glevitzky, M.; Todoran, A., Study on Microbiological Quality and Pollution Control of Groundwater from Different Areas in the Alba County, Romania, <i>Journal of environmental protection and ecology</i> 2014 , 15(1): 64-72. Citata de (cf. SCOPUS):	0	5	0.838	
	Cambrea, S.Cl.; Halichidis, S.; Stoicescu, R.M.; Petcu, L.C., Epidemiological and clinical factors which influence fluid isolation of Escherichia coli in children with digestive diseases, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (1), pp. 356-362 (ISI 0.734)				1
	Popescu, L.R., Iordache, M., Pascu, L.F., Ungureanu, E.-M., Buica, G.-O., Applications of the mathematical model Anova in the area of an industrial platform for assessment of groundwater quality, <i>Journal of Environmental Protection and Ecology</i> 2016 , 17 (1), pp. 18-30 (ISI 0.734)				1

	-Khattab, O.K.H., Abo-Elnasr, A.A., Al-Wasify, R.S., Nassar, H.F., Abbas, M.A., Occurrence and rapid enzymatic detection of <i>Candida</i> spp. in drinking water: a correlation with bacterial indicators and physicochemical parameters, <i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i> 2016 , 7 (2), pp. 455-462 (ISI 0.350)				1
4	Dumitreț, G.A.; Popa, M.; Glevitzky, M.; Vica, M.; Todoran, A., Evaluation of Soil Heavy Metal Pollution in the Zlatna Region, <i>Journal of environmental protection and ecology</i> 2013 , 14(4): 1569-1576. Citata de (cf. SCOPUS):	1	5	0.838	
	Todea, N.; Cioca, I.C., Aspects of determining the costs associated with ecological restoration of the polluted land in Zlatna area, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (3), pp. 884-890 (ISI 0.734)				1
	Pajak, M.; Cygan, A.; Bilanski, P.; Kolodziej, Z., Growth and development of the scots pine (<i>Pinus sylvestris</i> L.) in forest environments strongly polluted with heavy metals, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (2), pp. 620-629 (ISI 0.734)				1
5	Popa, M.; Glevitzky, M.; Dumitreț, G.A. , Microbiological Risk Assessment of Ice-Cream Products, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 263-272. Citata de (cf. SCOPUS):	0	3	0.734	
	Cambrea, S.C., Ilie, M.M., Dumea, E., Halichidis, S., Carp, D.S., Petcu, C.L. Correlation of an acute viral hepatitis type a outbreak in the constanta county with environmental risk factors, <i>Journal of Environmental Protection and Ecology</i> , 15, 1, 2014 , Pages 340-347 (ISI 0.734)				1
	Hasalliu, R., Mamoci, E., Influence of starter culture on the growth of <i>Staphylococcus aureus</i> during the ripening of an artisanal cheese made in Albania, <i>Journal of Environmental Protection and Ecology</i> , 2015 , 16 (2), pp. 594-600, (ISI 0.734)				1
6	Cioabla, A.E.; Ionel, I.; Tenchea, A.; Dumitreț, G.A. : Pode, V., Solid Biofuel Database - Potential of using Vegetal Biomass in Biogas Production, <i>Revista de Chimie</i> 2013 , 64, 186-190. Citata de (cf. SCOPUS):	0	5	0.956	
	Costuleanu, C.L., Vintu, C.R., Robu, D.A., Ignat, G., Brezuleanu, S., Food waste processing relationships with environment protection, <i>Revista de Chimie</i> , 2015, 66 (5), pp. 743-745 (ISI 0.956)				1
	Varga, L., Cioabla, A.E., Ionel, I. Comparative determination of cofermentation using residual waters for biogas production at small scale, <i>Revista de Chimie</i> , 2016, 67 (1), pp. 174-176 (ISI 0.956)				1
7	Cioabla, A.E.; Ionel, I.; Bisorca, D.; Neamt, I.; Dumitreț, G.A. , Small-Scale Biogas Production using Residual Sludge as Substrate, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 1777-1784. Citata de (cf. SCOPUS):	0	5	0.734	
	Vac, S.-C., Popita, G.-E. , Biomass: Economical, social and environmental aspects in biogas plants implementation, <i>Journal of Environmental Protection and Ecology</i> , 2015, 16 (3), pp. 1212-1220				1
	Varga, L., Cioabla, A.E., Ionel, I. Comparative determination of cofermentation using residual waters for biogas production at small scale, <i>Revista de Chimie</i> , 2016, 67 (1), pp. 174-176 (ISI 0.956)				1

8	Popa, M.; Glevitzky, M.; Popa, D.M.; Varvara, S.; Dumitrel, G.A. , Study on Soil Pollution with Heavy Metals near the River Ampoi, the Alba County, <i>Journal of Environmental Protection and Ecology</i> 2012 , 13, 2123-2129. Citata de (cf. SCOPUS):	0	5	0.734	
	Balaceanu, C.-E., Lead pollution of soils located into the influence area of thermoelectric power stations doicești and Rovinari, <i>Journal of Environmental Protection and Ecology</i> , 2015, 16 (1), pp. 49-55				1
9	Crivineanu, M.F.; Dumitrel, G.A.; Silaghi Perju, D.; Jinescu, C.; Negrea, A., The Influence of Environmental Factors on Sedimentation Dynamics of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(10), 1051-1055. Citata de (cf. SCOPUS):	0	5	0.810	
	Anghel, A.M., Diacu, E., Ilie, M., Petrescu, A., Ghita, G., Marinescu, F., Deak, G. Statistical analysis of heavy metals concentration in water and sediments in the lower part of the Danube River-Romanian section, <i>Revista de Chimie</i> , Volume 67, Issue 11, 1 January 2016, Pages 2151-2155				1
	Ilie, M., Marinescu, F., Szep, R., Ghița, G., Deak, G., Anghel, A.-M., Petrescu, A., Urișescu, B., Ecological risk assessment of heavy metals in surface sediments from the Danube River, <i>Carpathian Journal of Earth and Environmental Sciences</i> , Volume 12, Issue 2, 2017, Pages 437-445 (0.73)				1
	Onac, B.P.; Hutchinson, S.M.; Geanta, A.; (...) Giurgiu, A.M., Coroiu, I., A 2500-yr late Holocene multi-proxy record of vegetation and hydrologic changes from a cave guano-clay sequence in SW Romania, <i>Quaternary Research (United States)</i> 2015 , 83(3): 437-448 (ISI 2.544)				1
	Iordache, M.; Meghea, A.; Neamtu, S.; Popescu, L.R.; Iordache, I., Evaluation of contamination with priority hazardous substances in Olt River water and sediments near the industrial platform of Ramnicu Valcea, <i>Revista de Chimie</i> 2014 , 65(1), 87-93. (ISI 0.810)				1
10	Čara, M.C.; Dumitrel, G.A.* ; Glevitzky, M.; Perju, D., Stability of tetracycline residues in honey, <i>Journal of the Serbian Chemical Society</i> 2012 , 77(7), 879-886. Citata de (cf. SCOPUS):	1	4	0.871	
	Udalova, A.Y.; Dmitrienko, S.G.; Apyari, V.V., Methods for the separation, preconcentration and determination of tetracycline antibiotics <i>Journal of Analytical Chemistry</i> 2015 , 70(6):661-676. (ISI 0.479)				1
	Singh, S.P., Pundhir, A., Ghosh, S., Validation of an analytical methodology for determination of tetracyclines residues in honey by UPLC-MS/MS detection, <i>Indian Journal of Natural Products and Resources</i> , 2015, 6 (4), pp. 293-298				1
	Gačić, M.; Bilandžić, N.; Šipušić, D.I.; Petrović, M.; Kos, B.; Vahčić, N.; Šušković, J., Degradation of oxytetracycline, streptomycin, sulphathiazole and chloramphenicol residues in different types of honey, <i>Food Technology and Biotechnology</i> 2015 , 53 (2), pp. 154-162 (ISI 0.920)				1

11	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A.; Popescu F., Comparative study on factors affecting anaerobic digestion of agricultural vegetal residues, <i>Biotechnology for biofuels</i> 2012 , 5:39, 1-9. Citata de (cf. SCOPUS):	0	4	6.044	
	Li, M., Luo, N., Lu, Y. Biomass energy technological paradigm (BETP): Trends in this sector, <i>Sustainability (Switzerland)</i> , 2017, 9 (4), 567 (ISI 1.343)				1
	Okoro, O.V., Sun, Z., Birch, J., Meat processing waste as a potential feedstock for biochemicals and biofuels – A review of possible conversion technologies, <i>Journal of Cleaner Production</i> , 2017, 142, pp. 1583-1608, (ISI 4.959)				1
	Yin, D., Liu, W., Zhai, N., Wang, Y., Ren, C., Yang, G., Regional differentiation of rural household biogas development and related driving factors in China, <i>Renewable and Sustainable Energy Reviews</i> , ołume 67, 1 January 2017, Pages 1008-1018 (ISI 6.798)				1
	Ahuja, N., Bansal, D., Rafi, K.M., Temperature control for sustained microbial activity in anaerobic biogas digesters, <i>IIOAB Journal</i> , 2016, 7 (11SpecialIssue), pp. 60-67				1
	Manyi-Loh, C.E., Mamphweli, S.N., Meyer, E.L., Makaka, G., Simon, M., Okoh, A.I., An overview of the control of bacterial pathogens in cattle manure, <i>International Journal of Environmental Research and Public Health</i> , Volume 13, Issue 9, September 2016, Article number 843 (ISI 2.035)				1
	Dębowski, M., Zieliński, M., Kisielowska, M., Hajduk, A., Effect of constant magnetic field on anaerobic digestion of algal biomass, <i>Environmental Technology (United Kingdom)</i> , 2016, 37 (13), pp. 1656-1663 (ISI 1.76)				1
	Yao, Y., Chen, S., A novel and simple approach to the good process performance of methane recovery from lignocellulosic biomass alone, <i>Biotechnology for Biofuels</i> , 2016, 9 (1), 115				1
	Azman, S., Khadem, A.F., Van Lier, J.B., Zeeman, G., Plugge, C.M., Presence and role of anaerobic hydrolytic microbes in conversion of lignocellulosic biomass for biogas production, <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45 (23), pp. 2523-2564 (ISI 4.000)				1
	Deepanraj, B.; Sivasubramanian, V.; Jayaraj, S., Kinetic study on the effect of temperature on biogas production using a lab scale batch reactor, <i>Ecotoxicology and Environmental Safety</i> , 2016 , DOI: 10.1016/j.ecoenv.2015.04.051. (ISI 2.762).				1
	Tripathi, A.K.; Kumari, M.; Kumar, A.; Kumar, S., Generation of biogas using pine needles as substrate in domestic biogas plant, <i>International Journal of Renewable Energy Research</i> 2015 , 5 (3), pp. 716-721 (ISI 2.418).				1
	Froschle, B.; Heiermann, M.; Leuhn, M.; Messelhausse, U.; Plochl, M., Hygiene and sanitation in biogas plants, <i>Advances in Biochemical Engineering /Biotechnology</i> 2015 , 151:63-99. (ISI 1.657).				1
	Azman, S.; Khadem, A.F.; Van Lier, J.B.; Zeeman, G.; Plugge, C.M., Presence and role of anaerobic hydrolytic microbes in conversion of lignocellulosic biomass for biogas production, <i>Critical Reviews in Environmental Science and Technology</i> 2015 , 45 (23), pp. 2523-2564 (ISI 3.468).				1
	Pratt, D.L.; Agnew, J.; Fonstad, T.A.; Town, J.R., Solid state bench-scale anaerobic digestion of culled potatoes and manure, <i>American Society of Agricultural and Biological Engineers Annual International Meeting 2014</i> , ASABE 2014 , Paper number 141898667, 2014 Montreal, Quebec Canada July 13 – July 16, 2014. (doi: 10.13031/aim.20141898667).				1

	Yao, Y.; Luo, Y.; Li, T.; (...); Zhang, H.; An, L., Using the properties of soil to speed up the start-up process, enhance process stability, and improve the methane content and yield of solid-state anaerobic digestion of alkaline-pretreated poplar processing residues, <i>Biotechnology for Biofuels</i> 2015 , 7:160				1
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	Manyi-Loh, C.E.; Mamphweli, S.N.; Meyer, E.L.; Okoh, A.I.; Makaka, G.; Simon, M., Microbial Anaerobic Digestion (Bio-Digesters) as an Approach to the Decontamination of Animal Wastes in Pollution Control and the Generation of Renewable Energy, <i>International Journal of Environmental Research and Public</i>				1
12	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A. ; Negrea, P.; Pode, V., Biogas Production through Anaerobic Digestion of some Agro-Industrial Residues, <i>Revista de Chimie</i> 2012 , 63(6), 629-632. Citata de (cf. SCOPUS):	0	5	0.956	
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13	Crivineanu, M.F.; Perju, D.; Dumitrel, G.A. ; Silaghi Perju, D., Mathematical Models Describing the Emission and Distribution of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(4), 435-439. Citata de (cf. SCOPUS):	0	4	0.810	
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14	Calisevici, M.N.; Perju, D.M.; Lysandrou, M.C.; Dumitrel, G.A. ; Glevitzky, M., Determination of anion and cation contents in Cyprus drinking waters by HPLC method, <i>Journal of Food Agriculture & Environment</i> 2011 , 9(1), 65-68. Citata de (cf. SCOPUS):	0	5	0.435	
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16	Ordodi, V.; Dumitrel, G.A. ; Gruia, A.; Iacob, M.; Jinescu, G.; Perju, D., Electrochemical Microinstallation for Cytostatic Wastes Eparation, <i>Revista de Chimie</i> 2010 , 61(9), 857-86. Citata de (cf. SCOPUS):	0	6	0.810	
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17	Glevitzky, M.; Pop, M.; Brusturean, G.A. ; Bogdan, I.; Calisevici, M.; Perju, D., Efficient Use of Andoxidants to Preserve Fruit Juice, <i>Revista de Chimie</i> 2008 , 59(12), 1291-1295. Citata de (cf. SCOPUS):	0	6	0.810	
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20	Brusturean, G.A. ; Todinca, T.; Perju, D.; Carre, J.; Bourgos, J., Soil clean up by venting: Comparing between modelling and experimental voc removal results, <i>Environmental Technology</i> 2007 , <i>28(10)</i> , 1153-1162. Citata de (cf. SCOPUS):	1	5	1.560	
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21	Brusturean, G.A. ; Carre, J.; Perju, D.; Todinca, T., Study of the influence of temperature the venting depollution process of soils contaminated with volatile organic compounds, <i>Journal of the Serbian Chemical Society</i> 2006 , <i>71(12)</i> , 1353-1361. Citata de (cf. SCOPUS):	1	4	0.871	
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22	Perju, D.; Suta, M.; Rusnac, C.; Brusturean, G.A. *, Contributions to the heat transfer study using analogue-digital systems, <i>Revista de Chimie</i> 2003 , 54(3), 250-255. Citata de (cf. SCOPUS):	1	4	0.810	
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TOTAL "NC":	73
"NC" min:	40

Gabriela-Alina DUMITREL

NP =	14
NP (min)	12

Nr. crt.	Articol publicat in revista cotate ISI (vezi lista de lucrari)	Autor principal (prim-autor sau autor de corespondenta)	Nr. total autori	Ultimul Factor de Impact ISI (la momentul inscrierii la concurs)
1	Dumitrel, G.A.; Cioabla, A.E.; Ionel, I.; Varga, L.A., Experiments and Modeling of biogas Production by Anaerobic Digestion of Agricultural Resources, <i>Revista de Chimie</i> 2017 , 68(6), <i>acceptata spre publicare</i>	1	4	0.956
2	Cioabla, A.E.; Dumitrel, G.A.*; Ionel, I., Evaluation of anaerobic Digestion Performances of some substrates and co-substrates with simple models, <i>Revista de Chimie</i> 2017 , 68(12), <i>acceptata spre publicare</i>	1	3	0.956
3	Cioabla, A.E.; Djuric, A.; Dumitrel, G.A.*; Chiriac, D.; Pode, V., Biogas Production Using Waste Waters – Influence of Process Parameters for Test RIG at Laboratory Scale, <i>Studia UBB Chemia</i> , 2017 , LXII, 1, 51-60	1	5	0.148
4	Dumitrel, G.A.; Glevitzky, M.; Popa, M.; Vica, M.L., Studies regarding the heavy metals pollution of streams and rivers in Rosia Montana Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2015 , 16 (3), 850-860	1	4	0.838
5	Vica, M.L.; Glevitzky, M.; Dumitrel, G.A.*; Junie, L.M.; Popa, M., Antibacterial activity of different natural honeys from Transylvania, Romania, <i>Journal of Environmental Science and Health Part B- Pesticides Food Contaminants and Agricultural Wastes</i> 2014 , 49, 176-178	1	5	1.202
6	Popa, M.; Glevitzky, M.; Popa, D.M.; Dumitrel, G.A.* Study Regarding the Water Contamination and the Negative Effects on the Population from the Blaj Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , 15, 1543-1554	1	4	0.838
7	Cara, M.C.; Dumitrel, G.A.*; Glevitzky, M.; Mischie, C.; Silaghi-Perju, D., Thermal Degradation of Streptomycin Residues in Honey During Storage, <i>Food Technology and Biotechnology</i> 2013 , 51, 429-433	1	5	0.920
8	Dumitrel, G.A.*; Popa, M.; Glevitzky, M.; Vica, M.; Todoran, A., Evaluation of Soil Heavy Metal Pollution in the Zlatna Region, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 1569-1576	1	5	0.838
9	Cara, M.C.; Dumitrel, G.A.*; Glevitzky, M.; Perju, D., Stability of tetracycline residues in honey, <i>Journal of the Serbian Chemical Society</i> 2012 , 77(7), 879-886	1	4	0.871
10	Brusturean, G.A.; Todinca, T.; Perju, D.; Carre, J.; Rusnac, C., Soil vapour extraction of synthetic gasoline mixture: Experimental observations and model predictions, <i>Revista de Chimie</i> 2007 , 58(12), 1269-1273	1	5	0.810
11	Brusturean, G.A.*; Todinca, T.; Perju, D.; Carre, J.; Bourgos, J., Soil clean up by venting: Comparing between modelling and experimental voc removal results, <i>Environmental Technology</i> 2007 , 28(10), 1153-1162	1	5	1.560
12	Brusturean, G.A.*; Perju, D.; Carre, J.; Silaghi-Perju, D.; Dumitrel, D., Statistical model of the influence of pollutants aging on the venting depollution process of a soil polluted with VOC, <i>Revista de Chimie</i> 2006 , 57(3), 312-317	1	5	0.810

13	Brusturean, G.A.* ; Carre, J.; Perju, D.; Todinca, T., Study of the influence of temperature the venting depollution process of soils contaminated with volatile organic compounds, <i>Journal of the Serbian Chemical Society</i> 2006 , 71(12), 1353-1361	1	4	0.871
14	Perju, D.; Suta, M.; Rusnac, C. Brusturean, G.A.* , Contributions to the heat transfer study using analogue-digital systems, <i>Revista de Chimie</i> 2003 , 54(3), 250-255	1	4	0.810

TOTAL "NP":	14
"NP" min:	12

Gabriela-Allina DUMITREL

NT =	33
NT (min)	25

Nr. crt.	Articol publicat in revista cotate ISI (vezi lista de lucrari)	Autor principal (prim-autor sau autor de corespondenta)	Nr. total autori	Ultimul Factor de Impact ISI (la momentul inscrierii la concurs)
1	Dumitrel, G.A. : Cioabla, A.E.; Ionel, I.; Varga, L.A., Experiments and Modeling of biogas Production by Anaerobic Digestion of Agricultural Resources, <i>Revista de Chimie</i> 2017 , <i>68(6)</i> , <i>acceptata spre publicare</i>	1	4	0.956
2	Cioabla, A.E.; Dumitrel, G.A.* : Ionel, I., Evaluation of anaerobe Digestion Performances of some substrates and co-substrates with simple models, <i>Revista de Chimie</i> 2017 , <i>68(12)</i> , <i>acceptata spre publicare</i>	1	3	0.956
3	Cioabla, A.E.; Djuric, A.; Dumitrel, G.A.* ; Chiria, D.; Pode, V., Biogas Production Using Waste Waters – Influence of Process Parameters for Test RIG at Laboratory Scale, <i>Studia UBB Chemia</i> , 2017 , LXII, 1, 51-60	1	5	0.148
4	Popa, M.; Dumitrel, G.A.* ; Glevitzky, M.; Popa, D.V., Anthropogenic Contamination of Water From Galda River - Alba County, Romania, <i>Agriculture and Agricultural Science Procedia</i> 2015 , <i>6</i> , 446-452	1	4	0.000
5	Dumitrel, G.A. : Glevitzky, M.; Popa, M.; Vica, M.L., Studies regarding the heavy metals pollution of streams and rivers in Rosia Montana Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2015 , <i>16</i> (3), 850-860	1	4	0.734
6	Vica, M.L.; Glevitzky, M.; Dumitrel, G.A.* ; Junie, L.M.; Popa, M., Antibacterial activity of different natural honeys from Transylvania, Romania, <i>Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes</i> 2014 , <i>49</i> , 176-178	1	5	1.247
7	Popa, M.; Glevitzky, M.; Popa, D.M.; Dumitrel, G.A.* , Study Regarding the Water Contamination and the Negative Effects on the Population from the Blaj Area, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , <i>15</i> , 1543-1554	1	4	0.734
8	Vica, M.; Popa, M.; Dumitrel, G. A. ; Glevitzky, M.; Todoran, A., Study on Microbiological Quality and Pollution Control of Groundwater from Different Areas in the Alba County, Romania, <i>Journal of Environmental Protection and Ecology</i> 2014 , <i>15</i> , 64-72	0	5	0.734
9	Cara, M.C.; Dumitrel, G.A.* ; Glevitzky, M.; Mischie, C.; Silaghi-Perju, D., Thermal Degradation of Streptomycin Residues in Honey During Storage, <i>Food Technology and Biotechnology</i> 2013 , <i>51</i> , 429-433	1	5	1.179
10	Cioabla, A.E.; Ionel, I.; Tenchea, A.; Dumitrel, G.A. ; Pode, V., Solid Biofuel Database - Potential of using Vegetal Biomass in Biogas Production, <i>Revista de Chimie</i> 2013 , <i>64</i> , 186-190	0	5	0.956
11	Dumitrel, G.A. : Popa, M.; Glevitzky, M.; Vica, M.; Todoran, A., Evaluation of Soil Heavy Metal Pollution in the Zlatna Region, <i>Journal of Environmental Protection and Ecology</i> 2013 , <i>14</i> , 1569-1576	1	5	0.734

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13	Cioabla, A.E. Dumitrel, G.A. ; Ionel, I., Biogas Production by Anaerobic Digestion of Agricultural Biomass: Factorial Design Analysis, Interdisciplinary Research in Engineering: Steps Towards Breakthrough Innovation for Sustainable Development, <i>Book Series: Advanced Engineering Forum</i> , 2013 , 8-9, 85-92	0	3	0.000
14	Popa, M.; Glevitzky, M.; Dumitrel, G.A. , Microbiological Risk Assessment of Ice-Cream Products, <i>Journal of Environmental Protection and Ecology</i> 2013 , 14, 263-272	0	3	0.734
15	Crivineanu, M.F.; Dumitrel, G.A.; Silaghi Perju, D.; Jinescu, C.; Negrea, A., The Influence of Environmental Factors on Sedimentation Dynamics of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(10), 1051-1055	0	5	0.956
16	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A. ; Popescu F., Comparative study on factors affecting anaerobic digestion of agricultural vegetal residues, <i>Biotechnology for biofuels</i> 2012 , 5:39, 1-9	0	4	6.444
17	Cioabla, A.E.; Ionel, I.; Dumitrel, G.A. ; Negrea, P.; Pode, V., Biogas Production through Anaerobic Digestion of some Agro-Industrial Residues, <i>Revista de Chimie</i> 2012 , 63(6), 629-632	0	5	0.956
18	Crivineanu, M.F.; Perju, D.; Dumitrel, G.A. ; Silaghi Perju, D., Mathematical Models Describing the Emission and Distribution of Heavy Metals in Surface Waters, <i>Revista de Chimie</i> 2012 , 63(4), 435-439	0	4	0.956
19	Popa, M.; Glevitzky, M.; Popa, D.M.; Varvara, S.; Dumitrel, G.A. , Study on Soil Pollution with Heavy Metals near the River Ampoi, the Alba County, <i>Journal of Environmental Protection and Ecology</i> 2012 , 13, 2123-2129	0	5	0.734
20	Cara, M.C.; Dumitrel, G.A.* ; Glevitzky, M.; Perju, D., Stability of tetracycline residues in honey, <i>Journal of the Serbian Chemical Society</i> 2012 , 77(7), 879-886	1	4	0.970
21	Pacurariu, C.; Lazau, R.I.; Lazau, I.; Tita, D.; Dumitrel, G.A. , Non-isothermal crystallization kinetics of some aventurine decorative glaze, <i>Journal of Thermal Analysis and Calorimetry</i> 2011 , 105(2), 435-441	0	5	1.781
22	Calisevici, M.N.; Perju, D.M.; Lysandrou, M.C.; Dumitrel, G.A. ; Glevitzky, M., Determination of anion and cation contents in Cyprus drinking waters by HPLC method, <i>Journal of Food Agriculture & Environment</i> 2011 , 9(1), 65-68	0	5	0.435
23	Ordodi, V.; Dumitrel, G.A. ; Gruia, A.; Iacob, M.; Jinescu, G.; Perju, D., Electrochemical Microinstallation for Cytostatic Wastes Eparation, <i>Revista de Chimie</i> 2010 , 61(9), 857-861	0	6	0.956
24	Silaghi-Perju, D.; Pirlea, H.; Jinescu, G.; Dumitrel, G.A. ; Perju, D., NO ₂ Dispersion Process Simulation in Urban Areas by Analytical-Experimental Methods, <i>Studia Universitatis Babeș-Bolyai Chimia</i> 2009 , 54(1), 165-172	0	5	0.148
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26	Glevitzky, M.; Pop, M.; Brusturean, G.A. ; Bogdan, I.; Calisevici, M.; Perju, D., Efficient Use of Andoxidants to Preserve Fruit Juice, <i>Revista de Chimie</i> 2008 , 59(12), 1291-1295	0	6	0.956

27	Perju, D.; Pirlea, H.; Brusturean, G. A. ; Silaghi-Perju, D.; Marinescu, S., Modelling and Simulation of NO(2) Dispersion Phenomenon in Atmosphere by Analytical-Experimental Methods, <i>Revista de Chimie</i> 2008 , <i>59(10)</i> , 1112-1116	0	5	0.956
28	Glevitzky, M.; Bogdan, I. ; Brusturean, G.A. ; Perju, D; Silaghi-Perju, D., Study on the inhibition process of the natural juice degradation under different thermal treatments through pasteurization, <i>Revista de Chimie</i> 2008 , <i>59(5)</i> , 595-600	0	5	0.956
29	Brusturean, G.A. : Todinca, T.; Perju, D.; Carre, J.; Rusnac, C., Soil vapour extraction of synthetic gasoline mixture: Experimental observations and model predictions, <i>Revista de Chimie</i> 2007 , <i>58(12)</i> , 1268-1273	1	5	0.956
30	Brusturean, G.A. : Todinca, T.; Perju, D.; Carre, J.; Bourgos, J., Soil clean up by venting: Comparing between modelling and experimental voc.removal results, <i>Environmental Technology</i> 2007 , <i>28(10)</i> , 1153-1162	1	5	1.760
31	Brusturean, G.A. : Perju, D.; Carre, J.; Silaghi-Perju,D.; Dumitrel, D., Statistical model of the influence of pollutants aging on the venting depollution process of a soil polluted with VOC, <i>Revista de Chimie</i> 2006 , <i>57(3)</i> , 312-317	1	5	0.956
32	Brusturean, G.A. : Carre, J.; Perju, D.; Todinca, T., Study of the influence of temperature the venting depollution process of soils contaminated with volatile organic compounds, <i>Journal of the Serbian Chemical Society</i> 2006 , <i>71(12)</i> , 1353-1361	1	4	0.970
33	Perju, D.; Suta, M.; Rusnac, C.; Brusturean, G.A. *, Contributions to the heat transfer study using analogue-digital systems, <i>Revista de Chimie</i> 2003 , <i>54(3)</i> , 250-255	1	4	0.956

TOTAL "NT":	33
"NT" min:	25