



ROMÂNIA

MINISTERUL EDUCAȚIEI

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**SITUAȚIA ÎNDEPLINIRII STANDARDELOR MINIMALE  
NECESARE ȘI OBLIGATORII PENTRU CONFERIREA  
TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR  
ȘI A GRADELOR PROFESIONALE DE CERCETARE –  
DEZVOLTARE**

***Anexa nr. 18 - COMISIA INGINERIA MEDIULUI***

Conf.univ.dr.ing. Emilian-Florin MOȘNEGUȚU

Universitatea „Vasile Alecsandri” din Bacău

## FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE PENTRU OCUPAREA POSTULUI DE PROFESOR

Verificare îndeplinirii standardelor minimale (cumulative)

<b>Standarde minimale necesare și obligatorii</b>	<b>Valoare criteriu standard</b>	<b>Valoare criteriu candidat</b>	<b>Obs. comisie</b>
Număr total de articole în reviste ISI (NT)	$NT \geq 25$	91	
Număr total de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență) (NP)	$NP \geq 10$	22	
Număr lucrări în reviste cu $FI > 1$ , NP (cu $FIC > 1$ )	$NP (cu FIC > 1) \geq 6$	11	
Factorului de impact, FIC (articole în reviste cotate ISI+brevete)	$FIC \geq 20$	FIC=47	
Numărul total de citări (din baza SCOPUS sau ISI WEB OF SCIENCE, excluzându-se autocitările)	$NC \geq 100$	248	

## NUMĂR TOTAL ARTICOLE ISI (NT)

Nr. crt.	Articol	FI revista	Verificare comisie
1.	Nedeff, V., Raveica, C., Mosnegutu, E., Commiss Int Org Scientif Travail, A.G.R., Commiss Int Org Scientif Travail, A.G.R., The hanging agriculture and direct active mechanical energy consumption, Int Comm Work Studies & Labour Management Agr; Int Comm Agr Engn, Sect V, WORK SCIENCES IN SUSTAINABLE AGRICULTURE Pages: 384-389 1999, WOS:000083320100060	0	
2.	Nedeff, V., Mosnegutu, E., Panainte, M., Savin, C., Macarescu, B., Study of a solid particle behaviour in a vertical ascending airflow, Revista De Chimie, vol. 58, no. 12, 2007, pp. 1285-1290, WOS:000252496200025	0	
3.	Nedeff, V., Mosnegutu, E., Panainte, M., Savin, C., Macarescu, B., Researches concerning the aerodynamic sorting of solid particles according to the surface states, Revista De Chimie, vol. 59, no. 3, 2008, pp. 360-365, WOS:000255966000022	0	
4.	Valentin, Nedeff; Valentin, Zichil; Savin, Carmen; Bogdan, Macarescu; Emilian, Mosnegutu, A new method to determinate the viscosity of the non-Newtonian mixtures, METALURGIA INTERNATIONAL, 2008, vol. 13, nr. 7, pag. 21-26, WOS:000256692000005	0	
5.	Milenkovic, D., Dasic, P., Nedeff, V., Mosnegutu, E., Analysis of Regression Models of Maximal Adsorption on High-porosity adsorbents with and without ultrasound application, Revista De Chimie, vol. 60, no. 7, 2009, pp. 706-710, WOS:000269089200012	0	
6.	Zichil, Valentin; Panainte, Mirela; Nedeff, Valentine; Mosnegutu, Emilian; Savin, Carmen; Macarescu, Bogdan; Olaru, Ciprian, Considerations about a new method able to determine the breaking up energy at materials with variable texture, METALURGIA INTERNATIONAL, 2009, vol. 14, nr. 6, pag. 15-20, WOS:000265002600003	0	
7.	Panainte, Mirela; Nedeff, Valentin; Macarescu, Bogdan; Mosnegutu, Emilian; Tomozei, Claudia, Studies and research on the environmental impact of noise created by a work station for producing concrete, METALURGIA INTERNATIONAL, 2009, vol. 14, pag 73-76, WOS:000270962400015	0	
8.	Panainte, Mirela; Valentin, Nedeff; Carol, Schnakovszky; Emilian, Mosnegutu, Theoretical study regarding the possibility to determination the grinding energy to products with variable texture, METALURGIA INTERNATIONAL, 2009, vol. 14, nr. 1, pag. 62-67, WOS:000263374100011	0	
9.	Macarescu, B., Nedeff, V., Capat, C., Panainte, M., Mosnegutu, E., Savin, C., Studies and research regarding efficiency improvement of the district heating system and heat supply in an urban agglomeration in Romania. Study case for the chp plant in BACAU, Metalurgia International, vol. 15, no. 10, 2010, pp. 96-102, WOS:000278729300020	0	
10.	Macarescu, B., Nedeff, V., Capat, C., Panainte, M., Mosnegutu, E., Savin, C., Studies and research regarding efficiency improvement of the district heating system and heat supply in an urban agglomeration in ROMANIA. Study case for the chp plant in BACAU, Metalurgia International, vol. 15, no. 11, 2010, pp. 123-129, WOS:000280440800024	0	
11.	Barsan, N., Nedeff, V., Mosnegutu, E.F., Panainte, M., Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, Environmental Engineering and Management Journal, vol. 11, no. 12, 2012, pp. 2133-2140, 10.30638/eemj.2012.265, WOS:000314169000003	0,9	

12.	Chitimus, A.D., Nedeff, V., Mosnegutu, E.F., Panainte, M., In situ soil flushing - studies on remediation efficiency of polluted sandy soils with organic acids, Environmental Engineering and Management Journal, vol. 11, no. 12, 2012, pp. 2163-2168, 10.30638/eemj.2012.269, WOS:000314169000007	0,9	
13.	Valentin Nedeff, Emilian Moşneguţu, Mirela Panainte, Mihail Ristea, Gabriel Lazăr, Dan Scurtu, Bogdan Ciobanu, Adrian Timofte, Ştefan Toma, Maricel Agop, Dynamics in the boundary layer of a flat particle, Powder Technology, vol. 221, May 2012, pag. 312–317, 10.1016/j.powtec.2012.01.019, WOS:000303222300040	4,5	
14.	Turcu, M., Nedeff, V., Barsan, N., Mosnegutu, E.F., Panainte, M., Application of organic flocculants for the treatment of sludge from municipal wastewater treatment plants, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 163-166, 10.30638/eemj.2013.018, WOS:000317803300018	0,9	
15.	Stanila, M.I., Nedeff, V., Chitimus, D., Panainte, M., Mosnegutu, E.F., Optimization of a Mixed Cycle Gas Turbine Titan 130s Type Operating under Partial Loads, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 115-124., 10.30638/eemj.2013.014, WOS:000317803300014	0,9	
16.	Bontas, O., Nedeff, V., Mosnegutu, E.F., Panainte, M., Irimia, O.T., Behaviour of solid particles on a flat oscillating surface, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 17-22, 10.30638/eemj.2013.003, WOS:000317803300003	0,9	
17.	Nedeff, V; Inglezakis, V; Lazar, I ; Panainte, M; Mosnegutu, E; Caraman, I; Lazar, G , Green products theme as learning subject, edulearn13: 5th international conference on education and new learning technologies, Edited by:Chova, LG; Martinez, AL; Torres, IC, Book Series: EDULEARN Proceedings, Pages: 3403-3408, Published: 2013, Document Type:Proceedings Paper, WOS:000346798303060	0	
18.	Irimia, O.T., Tomozei, C., Panainte, M., Mosnegutu, E.F., Barsan, N., Efficiency of filters with different filtering materials: comparative study in water treatment, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 35-39, 10.30638/eemj.2013.005, WOS:000317803300005	0,9	
19.	Mirela Panainte-Lehadus, Valentin Nedeff, Emilian Mosnegutu, Gabriel Lazar, Iuliana Caraman, Claudia Tomozei, Dana Chitimus, Narcis Barsan, Study regarding public perception on environmental issues relating to Romania, International Conference on Production Research - Regional Conference Africa, Europe and the Middle East And 3 Rd International Conference on Quality and Innovation in Engineering and Management 978-973-662-978-5, 2014, pp. 393-396, WOS:000346410700072	0	
20.	Alexandra-Dana Chiţimuş, Emilian Florin Moşneguţu, Mihai C Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1581-1586, 10.30638/eemj.2014.175, WOS:000344577400005	0,9	
21.	Mirela Panainte, Marius Stănilă, Emilian Moşneguţu, Oana Irimia, Doina Capşa, Florin Nedeff, Claudia Tomozei, Ion Joiţa, Gabriela Telibaşa - Monitoring emissions from large combustion plants, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1657-1663, WOS:000344577400013	0,9	
22.	Mirela Panainte, Vassilis Inglezakis, Iuliana Caraman, Mihai C Nicolescu, Emilian Mosneguţu, Florin Nedeff - The evolution of eco-labeled products in Romania, Environmental Engineering and Management Journal, 1582-9596 Volume 13, Issue 7, 2014, Pages 1665-1671, 10.30638/eemj.2014.184, WOS:000344577400014	0,9	
23.	Valentin Nedeff, Gabriel Lazar, Maricel Agop, Emilian Mosnegutu, Mihail Ristea, Lăcrămioara Ochiuz, Lucian Eva, Cristina Popa - Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from, eterogeneous mixtures, Powder Technology, 0032-5910 Volume 269, January 01, 2015, Pages 452-460, 10.1016/j.powtec.2014.09.040, WOS:000347507100051	4,5	
24.	Panainte-Lehăduş, M., Nedeff, V., Moşneguţu, E., Caraman, I., Bărsan, N., Production and distribution of green products in Romania, 15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015; Albena; Bulgaria; 18 June 2015	0	

	through 24 June 2015, ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II, Volume 2, 2015, Pages 397-404, WOS:000370814500052		
25.	Mosnegutu, E., Nedeff, V.a, Bontas, O.b, Barsan, N.a, Chitimus, D.a, Rusu, Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012151, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012151, WOS:000390720200151	0	
26.	Panaite-Lehadus, , Olaru, C.a, Nedeff, V.a, Olaru, I.b, Mosnegutu, E., The study behavior of food materials with soft texture subjected to shredding by cutting(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012150, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012150, WOS:000390720200150	0	
27.	Chitimus Alexandra-Dana, Cristian Radu, Valentin Nedeff, Emilian Mosnegutu, Narcis Bârsan, Studies and researches on typha latifolia's (bulrush) absorption capacity of heavy metals from the soil, Scientific Study and Research. Chemistry and Chemical Engineering, Biotechnology, Food Industry, 1582-540X 2016, vol. 17, no. 4, pp. 381 – 393	0,3	
28.	Mariana Turcu, Narcis Bârsan, Emilian Moşneguţu, Mihaela Dascălu, Dana Chiţimuş, Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering and Management Journal, 1582-9596 Volume 15, Issue 3, 1 April 2016, Pages 521-526, WOS:000376876400005	0,9	
29.	Petrovici, A.M., Cueto, J.L., Gey, R., (...), Tomozei, C., Mosnegutu, E. , Optimization of some alternatives to noise barriers as noise mitigation measures on major roads in Europe. Case study of a highway in Spain 2016, Environmental Engineering and Management Journal 15(7), pp. 1617-1628, WOS:000384472000021	0.9	
30.	Mihai-Cosmin Belciu, Emilian Florin Moşneguţu, Valentin Nedeff, Alexandra-Dana Chiţimuş, Narcis Barsan, Silvia Fiore - Production capacity of leachate from Bihor landfill, Environmental Engineering and Management Journal, 1582-9596 2016, vol. 15, no. 3 pp. 2057-2062, WOS:000390326200019	0.9	
31.	Barsan N., Nedeff V., Temea A., Mosnegutu E., Chitimus A.D., Tomozei C., A perspective for poor wastewater infrastructure regions: A small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, Volume 12, Issue 1, 2017, Pages 61-66, dx.doi.org/10.19261/cjm.2017.387	0,5	
32.	Cochiorca, A., Nedeff, V., Bârsan, N., Moşneguţu, E.F., Panaite-Lehăduş, M., Tomozei, C., Analysis of water quality for two rivers located near a mining area, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 455-463, WOS:000452211700009	0,3	
33.	Dascălu, M.-E., López-Ramírez, J.A.b, Nedeff, V.a,c, Mosneguţu, E.a, Rusu, D., Application of excitation emission matrixes spectroscopy to study humic acids rejection with TiO2 nanofiltration membrane with enlarged area, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 3, 2018, Pages 313-321, WOS:000444839800007	0,3	
34.	Oana Maria Muscalu (Plescan), Valentin Nedeff, Alexandra Dana Chitimus, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Ion Sandu, Dragos Ioan Rusu, Influence of fertilization systems on physical and chemical properties of the soil, REVISTA DE CHIMIE (Bucharest) vol. 69, No. 11, 2018, p. 3016-3111, WOS:000451931500031	0	
35.	Tataru, L., Nedeff, V., Barsan, N., Mosnegutu, E.a, Lehadus, M.P., Sandu, I., Chitimus, D., Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, Materiale Plastice, Volume 55, December 2018, Pages 680-685, WOS:000454987400048	0,6	

36.	Mošneguțu, E., Nedeff, V., Bârsan, Rusu, D. , The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 431-441, WOS:000452211700007	0,3	
37.	Goldan, E., Nedeff, V., Sandu, I.G., Mosnegutu, E., Panainte, M., Study of greenhouse use of biohazard wastewater and manure compost, Revista De Chimie, vol. 70, no. 1, 2019, p. 169-173, WOS:000460428100037	0	
38.	Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects regarding the Siret river direction-changing in the Bacau county region, Romania, International Journal of Conservation Science, vol. 10, no. 1, 2019, p. 131-138, WOS:000462542400012	0,6	
39.	Tataru, L., Nedeff, V., Mosnegutu, E., Panainte-Lehadus, M., Chitimus, D.A., Exploitation of organic ultrafiltration membranes in the removal of peptone from wastewater, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, vol. 20, no. 1, 2019, p. 75-87, WOS:000462758300008	0,3	
40.	Tataru, L., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Panainte-Lehadus, M., Sandu, I., Applications of polymeric membranes ultrafiltration process on the retention of bentonite suspension, Materiale Plastice, vol. 56, no. 1, 2019, p. 97-102, WOS:000464604100020	0,6	
41.	Goldan, E., Nedeff, V., Barsan, N., Mosnegutu, E., Sandu, A.V., Panainte, M., The effect of biochar mixed with compost on heavy metal concentrations in a greenhouse experiment and on <i>folsomia candida</i> and <i>eisenia andrei</i> in laboratory conditions, Revista De Chimie, vol. 70, no. 3, 2019, p. 809-813, WOS:000464911600014	0	
42.	Dascalu, M.E., Nedeff, F., Mosnegutu, E., Sandu, I.G., Lopez-Ramirez, J.A., hydrodynamic surface evaluation of a polymeric reverse osmosis membrane using a crossflow cell, Revista De Chimie, vol. 70, no. 3, 2019, p. 866-870, WOS:000464911600024	0	
43.	Fabian, F., Nedeff, V., Birsan, N., Mosnegutu, E., Energy and chemicals consumption evaluation in water treatment plant a comparative study between Bacau and Turin, Revista De Chimie, vol. 70, no. 3, 2019, p. 881-886, WOS:000464911600027	0	
44.	Muscalu, O.M., Nedeff, V., Sandu, I.G., Partal, E., Mosnegutu, E., Barsan, N., Sandu, I., Rusu, D., Influence of main works systems on physical and chemical properties of the soil, Revista De Chimie, vol. 70, no. 5, 2019, pp. 1726-1730, WOS:000470086400043	0	
45.	Emilian Moșneguțu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chițimuș, Dragoș-Ioan Rusu, Ion Joita, Possibilities of software evaluation for the river course modification. Case study: siret river in bacau region sector, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume 10, Issue 2, April-June 2019: pag. 371-380, WOS:000488882500016	0,6	
46.	Eblin, S.G., Anoh, K.A., Yao, A.B., Soro, N., Nedeff, V., Mosnegutu, E., Sandu, A.V., Mapping groundwater vulnerability to pollution in the region of adiake, southeast coastal of Cote D'ivoire: A Comparative Study of Three (3) Methods, International Journal of Conservation Science, vol. 10, no. 3, 2019, pp. 493-506, WOS:000488882700009	0,6	
47.	Lehadus, M.P., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Tomozei, C., Irimia, O., Andrioai, G., Sandu, I., Monitoring the particulate matter (PM10) emissions from Bacau City termo-energetic industry, Revista De Chimie, vol. 70, no. 8, 2019, pp. 2869-2872, WOS:000489685600035	0	
48.	Nastuneac, V., Panainte-Lehadus, M., Mosnegutu, E.F., Gavrilas, S., Cioca, G., Munteanu, F.D., Removal of Cypermethrin from water by using fucus spiralis marine alga, International Journal of Environmental Research and Public Health, vol. 16, no. 19, 2019, 10.3390/ijerph16193663, 31569507, WOS:000494748600159	4,614	
49.	Cochiorca, A., Barsan, N., Nedeff, F.M., Sandu, I., Mosnegutu, E.F., Lehadus, M.P., Chitimus, D., Irimia, O., Sandu, I.G., Surface water quality assessment from a mining	0	

	area case study, groapa Burlacu lake, Targu Ocna, Romania, Revista De Chimie, vol. 70, no. 10, 2019, pp. 3678-3680, WOS:000500795900049		
50.	Muscalu, O.M., Nedeff, F.M., Partal, E., Mosnegutu, E., Panainte-Lehadus, M., Irimia, O., Tomozei, C., Influence of Soil Fertilization Systems on Soil Characteristics for a Monoculture of Sunflower, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, vol. 20, no. 4, 2019, pp. 585-595, WOS:000502846500008	0,3	
51.	Chitimus, A.D., Nedeff, F.M., Sandu, I., Radu, C., Mosnegutu, E., Barsan, N., Sandu, I.G., Tomozei, C., Absorption capacity of copper and lead in the case of phragmites australis plant species, Revista De Chimie, vol. 70, no. 11, 2019, pp. 4035-4039, WOS:000503185300054	0	
52.	Elena Goldan, Valentin Nedeff, Ion Sandu, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte, The use of biochar and compost mixtures as potential, organic fertilizers, REVISTA DE CHIMIE (Bucharest), 2537-5733, 2019, vol. 70, No. 6, p. 2192- 2197, WOS:000475860100063	0	
53.	Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Mathematical modeling for the absorption capacity of heavy metals from the soil in the case of phragmites australis plant species, REVISTA DE CHIMIE (Bucharest), 2537-5733, 2019, vol. 70, No. 7, p. 2545-2551, WOS:000509920700046	0	
54.	Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the Excitation Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 995-1002, WOS:000509920700046	0,6	
55.	Laurentiu Tataru, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Dana Alexandra Chitimus, Alina Cochiorca, Ioan Gabriel Sandu, Treatment study of brook water by using the ultrafiltration pilot with polymeric membrane MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 986-994, WOS:000509920700045	0,8	
56.	Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Narcis Barsan, Ion Sandu, Dragos Rusu, Influence of main works systems on physical and chemical, Properties of the Soil Revista de Chimie, 2019, 70, No. 5, p. 1726- 1730, WOS:000470086400043	0	
57.	Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Absorption capacity of heavy metals in the case of typha latifolia plant species, Revista de Chimie, 2019, vol. 70, No. 8, 2019, p. 3058-3061, WOS:000489685600076	0	
58.	Emilian Florin MOSNEGUTU, Mirela PANAINTE-LEHĂDUȘ, Florin NEDEFF, Oana TIRTOACA (IRIMIA), Claudia TOMOZEI, Waste management evaluation in the context of sustainable development. Case study Vasile Alecsandri University of Bacau, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, ISSN: 2067-533X, January-March 2020, 11, No. 1, p. 179-188, WOS:000520030000017	0,6	
59.	Oana Tirtoaca Irimia, Mirela Panainte-Lehadus, Claudia Tomozei, Emilian Mosnegutu, Alexandra-Dana Chitimus, Narcis Barsan, Study regarding the measuring of particulate matter PM2.5 and PM10 in industrial working environments, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2020, 21 (2), pp. 271 – 278, WOS:000546789300012	0,3	
60.	Barsan, Narcis; Zaharia, Andrei; Chitimus, Dana; Mosnegutu, Emilian; Florin, Nedeff; Rusu, Dragos; Untila, Carolina; Capsa, Doina, Filtration Theory and Techniques. A Short Review on the Filtration Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE) 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, P34, WOS:000659299700017	0	

61.	Chitimus, Alexandra-Dana; Barsan, Narcis; Mosnegutu, Emilian; Corobana, Alina; Nedeff, Valentin; Muscalu (Plescan), Oana-Maria; Partal, Elena, Influence of Soil Fertilization Systems and Crop Rotation on Physical and Chemical Properties of the Soil, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700016	0	
62.	Mosnegutu, Emilian; Chitimus, Alexandra-Dana; Barsan, Narcis; Rusu, Dragos; Vulpe, Mihai; Nedeff, Valentin; Jasinski, Marcin, Studies and Researches Regarding the Influence of the Size of Solid Particles Forming a Heterogenous Mix on the Aerodynamic Separation Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700071	0	
63.	Cochiorca, Alina, Fiorucci, Adriano, Nedeff, Valentin, Barsan, Narcis, Mosnegutu, Emilian Florin, Chițimus, Dana, Panainte-Lehadus, Mirela, Water quality analysis from a mining area. Case study: Targu Ocna salt mine, ROMANIA, Environmental Engineering & Management Journal (EEMJ). Mar 2021, Vol. 20 Issue 3, p355-360. 6p., WOS:000637746900004	0,9	
64.	Chitimus Alexandra-Dana, Nedeff Valentin, Muscalu (Plescan) Oana, Mosnegutu Emilian, Barsan Narcis, Panainte-Lehadus Mirela, Tomozei Claudia, Influence of fertilization systems to the soil inorganic compounds. Case study: monocultures of cereals, leguminous and oleaginous, Global NEST Journal, 2021, vol 23, issue 2, pag. 275-279, WOS:000709770400014	1	
65.	Panainte-Lehadus M.,Nedeffu V.,Barsan N.,Mosnegutu E.,Temea A.,Tomozei C.,Irimia O.,Chitimus D., Evaluation on consumer attitudes towards to the purchase of eco-labeled products, Fresenius Environmental Bulletin, 2021, Volume 30, Issue 5, Pages 5521 – 5528, WOS:000658173700091	0,618	
66.	Florina Fabian, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Florin Mosnegutu1, Paul-Claudiu Cotirlet, Dana Chitimus, Claudia Tomozei, Oana Irimia - Estimating the carbon footprint in water treatment case study the treatment plants from BACAU ROMANIA and TURIN ITALY, Fresenius Environmental Bulletin, Volume 30– No. 10/2021 pages 11361-11370, WOS:000704955000039	0,618	
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74.	Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, Study Regarding the Household Waste Collection Method. Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001	2.5	
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82.	Irimia, O., Panaite-Lehadus, M., Tomozei, C., Mosnegutu, E., Przydatek, G., Origin-Destination Traffic Survey-Case Study: Data Analyse for Bacau Municipality, Sustainability, vol. 15, no. 6, 2023, 4975, 10.3390/su15064975, WOS:000967792200001	3,3	
83.	Placinta, C., Stanciu, S., Panainte-Lehadus, M., Mosnegutu, E., Nedeff, F., Nedeff, V., Tomozei, C., Petrescu, T.C., Agop, M., Theoretical and Experimental Designs on Several Mechanical Properties of Cu-Al-Zn Shape Memory Alloys Used in the Processing Industry, Materials, 2023, vol. 16, no. 4, 1441, 10.3390/ma16041441, 36837071, WOS:000940069700001	3,1	
84.	Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M., Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001.	3,3	
85.	Chitimus Dana, Nedeff Valentin, Emilian Mosnegutu*, Narcis Bârsan, Oana Irimia, Florin Nedeff, Studies on the accumulation, translocation, and enrichment capacity of soils and the plant species Phragmites Australis (Common Reed) with heavy metals,	3,3	

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88.	Lupu, M; Nedeff, V; Panainte-Lehadus, M; Mosnegutu, E; Tomozei, C; Chitimus, D; Rusu, DI, The Textural and Physical Characteristics of Red Radishes Based on a Puncture Test, PROCESSES, Volume12, Issue2, DOI10.3390/pr12020282	2,8	
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90.	Mosnegutu, E; Bibire, L; Chitimus, D; Panainte-Lehadus, M; Jasinski, M; Przydatek, G; Sporea, N, Analysis of a Mechanism Used to Operate an Oscillating Separator, APPLIED SCIENCES-BASEL, Volume14, Issue13, DOI10.3390/app14135836	2,5	
91.	Przydatek, G; Golonka, M; Barsan, N; Mosnegutu, E; Chitimus, AD; Irimia, O, Environmental and energy efficiency of a selected municipal wastewater treatment plant - a case study, ENGINEERING RESEARCH EXPRESS, Volume6, Issue3, DOI10.1088/2631-8695/ad6232	1,5	
	Total		

NT = 106,8

## NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR CORESPONDENT)

Nr. crt.	Articol	Observații	FI (valabil la momentul depunerii dosarului)	FI > 1	Verificare comisie
1.	Mosnegutu, E., Nedeff, V.a, Bontas, O.b, Barsan, N.a, Chitimus, D.a, Rusu, Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012151, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012151, WOS:000390720200151	Autor principal	0	NU	
2.	Mihai-Cosmin Belciu, Emilian Florin Moșneguțu, Valentin Nedeff, Alexandra-Dana Chițimuș, Narcis Barsan, Silvia Fiore - Production capacity of leachate from Bihor landfill, Environmental Engineering and Management Journal, 1582-9596 2016, vol. 15, no. 3 pp. 2057-2062, WOS:000390326200019	corespondent	0,9	DA	
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4.	Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects regarding the Siret river direction-changing in the Bacau county region, Romania, International Journal of Conservation Science, vol. 10, no. 1, 2019, p. 131-138, WOS:000462542400012	Autor principal	0,6	NU	
5.	Emilian Moșneguțu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chițimuș, Dragoș-Ioan Rusu, Ion Joita, Possibilities of software evaluation for the river course modification. Case study: siret river in bacau region sector, INTERNATIONAL JOURNAL	Autor principal	0,6	NU	

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6.	Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the Excitation Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 995-1002, WOS:000509920700046	corespondent	0,8	NU	
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8.	Mosnegutu, Emilian; Chitimus, Alexandra-Dana; Barsan, Narcis; Rusu, Dragos; Vulpe, Mihai; Nedeff, Valentin; Jasinski, Marcin, Studies and Researches Regarding the Influence of the Size of Solid Particles Forming a Heterogenous Mix on the Aerodynamic Separation Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700071	Autor principal	0	NU	
9.	Chitimus Alexandra-Dana, Nedeff Valentin, Muscalu (Plescan) Oana, Mosnegutu Emilian, Barsan Narcis, Panainte-Lehadus Mirela, Tomozei Claudia, Influence of fertilization systems to the soil inorganic compounds. Case study: monocultures of cereals, leguminous and oleaginous, Global NEST Journal, 2021, vol 23, issue 2, pag. 275-279, WOS:000709770400014	corespondent	1	DA	
10.	Florina Fabian, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Florin Mosnegutu1, Paul-Claudiu Cotirlet, Dana Chitimus, Claudia Tomozei, Oana Irimia - Estimating the carbon footprint in water treatment case study the treatment plants from BACAU ROMANIA and TURIN ITALY, Fresenius Environmental Bulletin, Volume 30– No. 10/2021 pages 11361-11370, WOS:000704955000039	corespondent	0.618	NU	

11.	Emilian Mosnegutu, Mirela Panainte-Lehadus, Valentin Nedeff, Claudia Tomozei, Narcis Barsan, Dana Chitimus and Marcin Jasinski, Extraction of mathematical correlations applied in the aerodynamic separation of solid particles, Processes, vol. 10, no. 7, 2022, 1234, 10.3390/pr10071234, WOS:000832223400001	Autor principal	2.8	DA	
12.	Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Florin Mosnegutu, Alexandra-Dana Chițimus, Assessment quality of agricultural soils from tunisian region-Kalaa Kebira sousse to assessment of a tunisian agricultural soil properties, Fresenius Environmental Bulletin, 2022, vol. 31, nr. 8, pag. 7767- 7771, WOS:000845078600035	corespondent	0.618	NU	
13.	Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, Study Regarding the Household Waste Collection Method. Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001	corespondent	2.5	DA	
14.	Mirela Panainte-Lehăduș, Emilian Moșneguțu, Narcis Bârsan, Gabriela Andrioai, Claudia Tomozei and Oana Irimia, Mathematical perspectives in the variable texture products cutting, Processes, 2022 vol. 10, no. 8, 1603, 10.3390/pr10081603, WOS:000845796500001	corespondent	2.8	DA	
15.	Emilian Moșneguțu, Claudia Tomozei, Mirela Panainte-Lehăduș, Dana Chițimus and Oana Irimia, Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion, Processes, 2022, vol. 10, no. 9, 1760, 10.3390/pr10091760, WOS:000857647700001	Autor principal	2.8	DA	
16.	Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moșneguțu, Narcis Barsan, Alexan-dra-Dana Chițimus, Assessment of cadmium and copper adsorption by two agricultural soils from Romania and Tunisia: risk of water resource pollution, Processes, 2022, vol. 10, no. 9, 1802, 10.3390/pr10091802, WOS:000856653500001	corespondent	2.8	DA	
17.	Przydatek Grzegorz, Moșneguțu Emilian, Cabała Adrian, Irimia Oana, Hazardous Waste Advanced Management in a Selected Region of Poland, Processes, 2022, vol. 10, nr. 10, ID 2032, 10.3390/pr10102032, WOS:000875217200001	corespondent	2.8	DA	
18.	Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M.,	corespondent	3,3	DA	

	Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001.				
19.	Chitimus Dana, Nedeff Valentin, Emilian Mosnegutu*, Narcis Bârsan, Oana Irimia, Florin Nedeff, Studies on the accumulation, translocation, and enrichment capacity of soils and the plant species Phragmites Australis (Common Reed) with heavy metals, SUSTAINABILITY, 2023, vol. 15, nr. 11, ID 8729; 10.3390/su15118729, WOS:001005352300001	corespondent	3,3	DA	
20.	Lupu, M; Nedeff, V; Panainte-Lehadus, M; Mosnegutu, E; Tomozei, C; Chitimus, D; Rusu, DI, The Textural and Physical Characteristics of Red Radishes Based on a Puncture Test, PROCESSES, Volume12, Issue2, DOI10.3390/pr12020282	corespondent	2,8	DA	
21.	Irimia, O; Gaspar, E; Stanciu, M; Mosnegulu, E; Barsan, N, Optimizing Nitrogen and Phosphorus Removal from Wastewater in the Context of a Sustainable Economy, WATER, Volume16, Issue11, DOI10.3390/w16111585	corespondent	3.3	DA	
22.	Mosnegutu, E; Bibire, L; Chitimus, D; Panainte-Lehadus, M; Jasinski, M; Przydatek, G; Sporea, N, Analysis of a Mechanism Used to Operate an Oscillating Separator, APPLIED SCIENCES-BASEL, Volume14, Issue13, DOI10.3390/app14135836	Autor principal	2.5	DA	

**NP =22 (DIN CARE 11 CU FI> 1)**

## FIȘĂ DE CALCUL A FACTORULUI DE IMPACT (FIC)

Nr. crt.	Articol	Nr. Autori	FI revista	Autor principal	Calcul FIC	Verificare comisie
1.	Nedeff, V., Raveica, C., Mosnegutu, E., Commiss Int Org Scientif Travail, A.G.R., Commiss Int Org Scientif Travail, A.G.R., The hanging agriculture and direct active mechanical energy consumption, Int Comm Work Studies & Labour Management Agr; Int Comm Agr Engn, Sect V, WORK SCIENCES IN SUSTAINABLE AGRICULTURE Pages: 384-389 1999, WOS:000083320100060	3	0	NU	0.00	
2.	Nedeff, V., Mosnegutu, E., Panainte, M., Savin, C., Macarescu, B., Study of a solid particle behaviour in a vertical ascending airflow, Revista De Chimie, vol. 58, no. 12, 2007, pp. 1285-1290, WOS:000252496200025	5	0	NU	0.00	
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4.	Valentin, Nedeff; Valentin, Zichil; Savin, Carmen; Bogdan, Macarescu; Emilian, Mosnegutu, A new method to determinate the viscosity of the non-Newtonian mixtures, METALURGIA INTERNATIONAL, 2008, vol. 13, nr. 7, pag. 21-26, WOS:000256692000005	5	0	NU	0.00	
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6.	Zichil, Valentin; Panainte, Mirela; Nedeff, Valentine; Mosnegutu, Emilian; Savin, Carmen; Macarescu, Bogdan; Olaru, Ciprian, Considerations about a new method able to determine the breaking up energy at materials with variable texture, METALURGIA	7	0	NU	0.00	

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9.	Macarescu, B., Nedeff, V., Capat, C., Panainte, M., Mosnegutu, E., Savin, C., Studies and research regarding efficiency improvement of the district heating system and heat supply in an urban agglomeration in Romania. Study case for the chp plant in BACAU, Metalurgia International, vol. 15, no. 10, 2010, pp. 96-102, WOS:000278729300020	6	0	NU	0.00	
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11.	Barsan, N., Nedeff, V., Mosnegutu, E.F., Panainte, M., Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, Environmental Engineering and Management Journal, vol. 11, no. 12, 2012, pp. 2133-2140, 10.30638/eej.2012.265, WOS:000314169000003	4	0,9	NU	0.23	
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16.	Bontas, O., Nedeff, V., Mosnegutu, E.F., Panainte, M., Irimia, O.T., Behaviour of solid particles on a flat oscillating surface, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 17-22, 10.30638/eemj.2013.003, WOS:000317803300003	5	0,9	NU	0.18	
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18.	Irimia, O.T., Tomozei, C., Panainte, M., Mosnegutu, E.F., Barsan, N., Efficiency of filters with different filtering materials: comparative study in water treatment, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 35-39, 10.30638/eemj.2013.005, WOS:000317803300005	5	0,9	NU	0.18	
19.	Mirela Panainte-Lehadus, Valentin Nedeff, Emilian Mosnegutu, Gabriel Lazar, Iuliana Caraman, Claudia Tomozei, Dana Chitimus, Narcis Barsan, Study regarding public perception on environmental issues relating to Romania, International Conference on Production Research - Regional Conference Africa, Europe and the Middle East And 3 Rd International Conference on Quality and Innovation in Engineering and Management 978-973-662-978-5, 2014, pp. 393-396, WOS:000346410700072	8	0	NU	0.00	
20.	Alexandra-Dana Chițimuş, Emilian Florin Moşneguțu, Mihai C Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1581-1586, 10.30638/eemj.2014.175, WOS:000344577400005	6	0,9	NU	0.15	

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