



ROMÂNIA
MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
UNIVERSITATEA „VASILE ALECSANDRI” DIN
BACĂU

Calea Mărășești, Nr. 157, Bacău, 600115
Tel. +40-234-542411, fax +40-234-545753
www.ub.ro; e-mail:rector@ub.ro



ANEXA NR. 18-COMISIA INGINERIA MEDIULUI

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE DEZVOLTARE CONFERENȚIAR

Ș. L. DR. ING. Alexandra-Dana CHIȚIMUȘ

**FIȘĂ DE VERIFICARE A ÎNDEPLINIRII
STANDARDELOR MINIMALE NAȚIONALE PENTRU
PROMOVAREA PE POST - CONFERENȚIAR**

Standarde minimale necesare și obligatorii	Minim prevăzut	Realizat
Număr total de articole în reviste ISI (NT)	$NT \geq 15$	33
Număr total de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență) (NP)	$NP \geq 6$	18
	$NP \text{ (cu } FIC > 1) \geq 4$	16
Număr lucrări în reviste cu $FI > 1$, NP (cu $FIC > 1$)		
Factorului de impact, FIC (articole în reviste cotate ISI+brevete)	$FIC \geq 12$	28,4768
Numărul total de citări (din baza SCOPUS sau ISI WEB OF SCIENCE, excluzându-se autocitările)	$NC \geq 60$	141

NUMĂR TOTAL ARTICOLE ISI (NT)

Nr. crt.	ARTICOL	FI (valabil la momentul depunerii dosarului)
1.	Oana Maria Muscalu (Plescan), Valentin Nedeff, Alexandra Dana Chițimus , 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), 2018, vol. 69, nr. 11, pg. 3106-3111	1,755
2.	Laurențiu Tataru, Valentin Nedeff, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte Lehadus, Ion Sandu, Dana Chițimus , Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, Revista de Materiale Plastice, 2018, vol. 55, no. 4, p. 660-685.	1,517
3.	Barsan Narcis, Nedeff Valentin, Temea Antonina, Mosnegutu Emilian, Chițimus Alexandra Dana , Tomozei Claudia, A perspective for poor wastewater infrastructure regions: a small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, 2017, vol. 12, nr. 1, pg. 61-66	0
4.	Muscalu (Pleşcan), O.M., Nedeff, V., Chițimus, A.D. , Partal, E., Bârsan, N., Rusu, I.D., Ioan Gabriel Sandu, Influence of soil fertilization systems and crop rotation on chemical properties of the soil, Revista de Chimie, vol.70, nr. 2, 2019, pg. 536-542	1,755
5.	Mariana Turcu, Narcis Bârsan, Emilian Moșneguțu, Mihaela Dascălu, Dana Chițimus , Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering & Management Journal (EEMJ), 2016, vol. 15, nr. 3, pg. 521-526	1,186
6.	Mihai-Cosmin Belciu, Emilian Florin Moșneguțu, Valentin Nedeff, Alexandra-Dana Chițimus , Narcis Barsan, Silvia Fiore, Production capacity of leachate from Bihor landfill, Environmental Engineering & Management Journal (EEMJ), 2016, vol. 15, nr. 9, p. 2057-2062	1,186
7.	Alexandra-Dana Chițimus , 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 & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2016, vol. 17, nr. 4, p. 381-393	0
8.	Cristian Radu, Alexandra-Dana Chițimus , Mariana Turcu, Greta Ardeleanu, Mihai Belciu, Impacts of anthropogenic activities in Bacau area upon heavy metals concentration on Bistrita river sides, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1687-1691	1,186
9.	Alexandra-Dana Chițimus , Emilian Florin Mosnegutu, Mihai C. Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1581-1856	1,186
10.	Doina Capsa, Mirela Panainte, Dana Chițimus , Marius Stanila, Daniel-Catalin Felegeanu, Accidental pollution with ammonia. Influence of meteorological factors, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1573-1580.	1,186
11.	Laurențiu Tataru, Valentin Nedeff, Emilian Moșneguțu, Mirela Panainte-Lehăduș, Dana Alexandra Chițimus , Exploitation of organic ultrafiltration membranes in the removal of peptone from wastewater, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 1, 2019, pg. 75-87	0

12.	Stanila Marius, Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, Alexandra-Dana Chitimus , Optimization of a mixed cycle gas turbine Titan 130S type operating under partial loads, Environmental Engineering and Management Journal, vol.12, no.1, 2013, pg. 115-124	1,186
13.	Alexandra-Dana Chitimus , Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, In situ soil flushing studies on remediation efficiency of polluted sandy soils with organic acids, Environmental Engineering and Management Journal, 2012, vol. 11, nr. 12, pg. 2163-2168	1,186
14.	Emilian Florin Mosnegutu, Valentin Nedeff, Alexandra Dana Chitimus , Dragos-Ioan Rusu, Ion Joita, Aspects regarding the Siret river direction-changing in the Bacau County Region, Romania, International Journal Of Conservation Science, Volume 10, Issue 1, January-March 2019, 139-146	0
15.	Emilian Moşneguţu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chiţimuş , Dragoş-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, Aprilie-June 2019, p. 371-380	0
16.	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, REV.CHIM.(Bucharest), vol. 70, nr. 7, 2019, p. 2545-2551	1,755
17.	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, REV.CHIM.(Bucharest), vol. 70, nr. 8, 2019, p. 3058-3061	1,755
18.	Alina Cochiorca, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Florin Mosnegutu, Mirela Panainte Lehadus, Dana Chitimus , Oana Irimia, Ioan Gabriel Sandu, Surface water quality assessment from a mining area case study, Groapa Burlacu lake, Targu Ocna, Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3678-3680	1,755
19.	Carolina Untila, Mihail Caraman, Valentin Nedeff, Narcis Barsan, Ion Sandu, Alexandra Dana Chitimus , Vasile Valentin Cretu, Claudia Tomozei, Andrei Victor Sandu, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3570-3574	1,755
20.	Alexandra Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Narcis Barsan, Ioan Gabriel Sandu, Claudia Tomozei, Absorption Capacity of Copper and Lead in the Case of Phragmites Australis Plant Species, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4035-4039	1,755
21.	Narcis Barsan, Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Mirela Panainte Lehadus, Andrei Victor Sandu, Oana Irimia Tartoaca, Experimental Application of a Laboratory SBR Plant Used for Domestic Wastewater Treatment, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4098-4101	1,755
22.	Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Claudia Tomozei, Influence of soil fertilization systems on chemical properties of the soil, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4557-4565	1,755
23.	Alexandra-Dana Chitimus, Florin Marian Nedeff, Ion Sandu, Cristian Radu, Narcis Barsan, Ioan Gabriel Sandu, Oana Irimia, Mathematical modeling for the accumulation of cadmium, zinc and arsenic from the soil in the case of Bulrush Plant type, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4566-4573	1,755
24.	Narcis Barsan, Dana Chitimus, Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Claudia Tomozei, Mathematical	1,755

	correlations of the variable parameters specific for an SBR experimental laboratory plant, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4574-4578	
25.	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, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 986-994.	1,517
26.	Alexandra-Dana Chitimus , Florin-Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Influence of Bacau city's antropic activities on the heavy metals concentration measured on Bistrita and Siret river sides, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 350-354	1,755
27.	Narcis Barsan, Alexandra Dana Chitimus , Oana-Maria Muscalu (Plescan), Florin Marian Nedeff, Ion Sandu, Elena Partal, Andrei Victor Sandu, Mirela Panainte Lehadus, Influence of fertilizers on soils used for oleaginous crop, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 233-238	1,755
28.	Narcis Barsan, Doina Capsa, Emilian Mosnegutu, Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus , Claudia Tomozei, Andrei Victor Sandu, Correlations on the air nitrogen oxides pollutant concentration and climatic factors variations in Bacau city, REV.CHIM.(Bucharest), vol. 71, nr. 2, 2020, p. 358-364	1,755
29.	Luminita Bibire, Florin Ion Lazar, Alexandra-Dana Chitimus , Adrian Stelian Ghenadi, Risk management in industrial companies, case study: collective work accident at a brewery, Scientific Study and Research Chemistry and Chemical Engineering, Biotechnology, Food Industry, vol. 21, nr. 1 2020, pg. 111-124.	0
30.	Mirela Panainte-Lehadus, Emilian-Florin Mosnegutu, Valentin Nedeff, Narcis Barsan, Dana Chitimus , Dragos-Ioan Rusu, Mihai C. Nicolescu, Gheorghe Topan, Experimental application of the process industry solid particle's displacement in a vertical air flow, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 9-21	1,755
31.	Emilian-Florin Mosnegutu, Valentin Nedeff, Narcis Barsan, Ion Sandu, Mirela Panainte-Lehadus, Dana Chitimus , Ion Gabriel Sandu, Ovidiu Bontas, Dragos-Ioan Rusu, Gheorghe Topan, Application in process industry of the solid particles displacement on a flat oscillating surface, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 42-50	1,755
32.	Alina Cochiorca, Valentin Nedeff, Narcis Barsan, Ion Sandu, Emilian Mosnegutu, Dana Alexandra Chitimus , Andrei Victor Sandu, Oana Irimia, Surface water and groundwater quality evaluation in a mining area, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 136-143	1,755
33.	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, vol. 21, nr. 2, 2020, p. 271 – 278	0

NT =33

NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE CORESPONDENȚĂ) (NP)

NR. CRT.	ARTICOL	OBSERVAȚII	FI (valabil la momentul depunerii dosarului)	FI>1
1.	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), 2018, vol. 69, nr. 11, pg. 3106-3111	adresă corespondență	1,755	DA
2.	Muscalu (Pleșcan), O.M., Nedeff, V., Chițimuş, A.D. , Partal, E., Bârsan, N., Rusu, I.D., Ioan Gabriel Sandu, Influence of soil fertilization systems and crop rotation on chemical properties of the soil, Revista de Chimie, vol.70, nr. 2, 2019, pg. 536-542	adresă corespondență	1,755	DA
3.	Alexandra-Dana Chitimus , 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 & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2016, vol. 17, nr. 4, p. 381-393	prim autor	0	NU
4.	Cristian Radu, Alexandra-Dana Chițimuş , Mariana Turcu, Greta Ardeleanu, Mihai Belciu, Impacts of anthropogenic activities in Bacau area upon heavy metals concentration on Bistrita river sides, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1687-1691	adresă corespondență	1,186	DA
5.	Alexandra-Dana Chițimuş , Emilian Florin Mosnegutu, Mihai C. Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1581-1856	prim autor	1,186	DA
6.	Alexandra-Dana Chitimus , Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, In situ soil flushing studies on remediation efficiency of polluted sandy soils with organic acids, Engineering and Management Journal, 2012, vol. 11, nr. 12, pg. 2163-2168	prim autor	1,186	DA
7.	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, REV.CHIM.(Bucharest), vol. 70, nr. 7, 2019, p. 2545-2551	prim autor	1,755	DA
8.	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,	prim autor	1,755	DA

	REV.CHIM.(Bucharest), vol. 70, nr. 8, 2019, p. 3058-3061			
9.	Alexandra Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Narcis Barsan, Ioan Gabriel Sandu, Claudia Tomozei, Absorption Capacity of Copper and Lead in the Case of Phragmites Australis Plant Species, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4035-4039	prim autor	1,755	DA
10.	Narcis Barsan, Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Mirela Panainte Lehadus, Andrei Victor Sandu, Oana Irimia Tartoaca, Experimental Application of a Laboratory SBR Plant Used for Domestic Wastewater Treatment, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4098-4101	adresă corespondență	1,755	DA
11.	Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus , Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Claudia Tomozei, Influence of soil fertilization systems on chemical properties of the soil, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4557-4565	adresă corespondență	1,755	DA
12.	Alexandra-Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Cristian Radu, Narcis Barsan, Ioan Gabriel Sandu, Oana Irimia, Mathematical modeling for the accumulation of cadmium, zinc and arsenic from the soil in the case of Bulrush Plant type, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4566-4573	prim autor	1,755	DA
13.	Narcis Barsan, Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Claudia Tomozei, Mathematical correlations of the variable parameters specific for an SBR experimental laboratory plant, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4574-4578	adresă corespondență	1,755	DA
14.	Alexandra-Dana Chitimus , Florin-Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Influence of Bacau city's antropic activities on the heavy metals concentration measured on Bistrita and Siret river sides, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 350-354	prim autor	1,755	DA
15.	Narcis Barsan, Alexandra Dana Chitimus , Oana-Maria Muscalu (Plescan), Florin Marian Nedeff, Ion Sandu, Elena Partal, Andrei Victor Sandu, Mirela Panainte Lehadus, Influence of fertilizers on soils used for oleaginous crop, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 233-238	adresă corespondență	1,755	DA
16.	Narcis Barsan, Doina Capsa, Emilian Moşnegutu, Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus , Claudia Tomozei, Andrei Victor Sandu, Correlations on the air nitrogen oxides pollutant concentration and climatic factors variations in Bacau city, REV.CHIM.(Bucharest), vol. 71, nr. 2, 2020, p. 358-364	adresă corespondență	1,755	DA
17.	Luminita Bibire, Florin Ion Lazar, Alexandra-Dana Chitimus , Adrian Stelian Ghenadi, Risk management in industrial companies, case study: collective work accident at a brewery, Scientific Study and Research	adresă corespondență	0	NU

	Chemistry and Chemical Engineering, Biotechnology, Food Industry, vol. 21, nr. 1 2020, pg. 111-124.			
18.	Emilian-Florin Mosnegutu, Valentin Nedeff, Narcis Barsan, Ion Sandu, Mirela Panainte-Lehadus, Dana Chitimus, Ion Gabriel Sandu, Ovidiu Bontas, Dragos-Ioan Rusu, Gheorghe Topan, Application in process industry of the solid particles displacement on a flat oscillating surface, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 42-50	Adresă corespondență	1,755	DA

NP =18 (DIN CARE 16 CU FI> 1)

FIȘĂ DE CALCUL A FACTORULUI DE IMPACT (FIC)

NR. CRT.	ARTICOL	FI (valabil la momentul depunerii dosarului)	AUTOR PRINCIPAL (prim autor sau autor de corespondență)	NR. AUTORI	FI/NR. AUTORI
1.	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), 2018, vol. 69, nr. 11, pg. 3106-3111	1,755	DA	8	1,755
2.	Laurentiu Tataru, Valentin Nedeff, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte Lehadus, Ion Sandu, Dana Chitimus , Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, Revista de Materiale Plastice, 2018, vol. 55, no. 4, p. 660-685.	1,517	NU	7	0,216
3.	Barsan Narcis, Nedeff Valentin, Temea Antonina, Mosnegutu Emilian, Chitimus Alexandra Dana , Tomozei Claudia, A perspective for poor wastewater infrastructure regions: a small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, 2017, vol. 12, nr. 1, pg. 61-66	0	NU	6	0
4.	Muscalu (Pleşcan), O.M., Nedeff, V., Chițimuş, A.D. , Partal, E., Bârsan, N., Rusu, I.D., Ioan Gabriel Sandu, Influence of soil fertilization systems and crop rotation on chemical properties of the soil, Revista de Chimie, vol.70, nr. 2, 2019, pg. 536-542	1,755	DA	7	1,755
5.	Mariana Turcu, Narcis Bârsan, Emilian Moşneguțu, Mihaela Dascălu, Dana Chițimuş , Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering & Management Journal (EEMJ), 2016, vol. 15, nr. 3, pg. 521-526	1,186	NU	6	0,1976
6.	Mihai-Cosmin Belciu, Emilian Florin Moşneguțu, Valentin Nedeff, Alexandra-Dana Chițimuş , Narcis	1,186	NU	6	0,1976

	Barsan, Silvia Fiore, Production capacity of leachate from Bihor landfill, Environmental Engineering & Management Journal (EEMJ), 2016, vol. 15, nr. 9, p. 2057-2062				
7.	Alexandra-Dana Chitimus , 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 & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2016, vol. 17, nr. 4, p. 381-393	0	DA	5	0
8.	Cristian Radu, Alexandra-Dana Chițimuș , Mariana Turcu, Greta Ardeleanu, Mihai Belciu, Impacts of anthropogenic activities in Bacau area upon heavy metals concentration on Bistrita river sides, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1687-1691	1,186	DA	5	1,186
9.	Alexandra-Dana Chițimuș , Emilian Florin Mosnegutu, Mihai C. Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1581-1856	1,186	DA	6	1,186
10.	Doina Capsa, Mirela Panainte, Dana Chitimus , Marius Stanila, Daniel-Catalin Felegeanu, Accidental pollution with ammonia. Influence of meteorological factors, Environmental Engineering and Management Journal, vol. 13, nr. 7, 2014, p. 1573-1580.	1,186	NU	5	0,2372
11.	Laurențiu Tataru, Valentin Nedeff, Emilian Moșneguțu, Mirela Panainte-Lehăduș, Dana Alexandra Chițimuș , Exploitation of organic ultrafiltration membranes in the removal of peptone from wastewater, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 1, 2019, pg. 75-87	0	NU	5	0
12.	Stanila Marius, Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, Alexandra-Dana Chitimus , Optimization of a mixed cycle gas turbine Titan 130S type	1,186	NU	5	0,2372

	operating under partial loads, Environmental Engineering and Management Journal, vol.12, no.1, 2013, pg. 115-124				
13.	Alexandra-Dana Chitimus , Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, In situ soil flushing studies on remediation efficiency of polluted sandy soils with organic acids, Engineering and Management Journal, 2012, vol. 11, nr. 12, pg. 2163-2168	1,186	DA	4	1,186
14.	Emilian Florin Mosnegutu, Valentin Nedeff, Alexandra Dana Chitimus , Dragos-Ioan Rusu, Ion Joita, Aspects regarding the Siret river direction-changing in the Bacau County Region, Romania, International Journal Of Conservation Science, Volume 10, Issue 1, January-March 2019, 139-146	0	NU	5	0
15.	Emilian Moşneguţu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chiţimuş , Dragoş-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, p. 371-380	0	NU	6	0
16.	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, REV.CHIM.(Bucharest), vol. 70, nr. 7, 2019, p. 2545-2551	1,755	DA	7	1,755
17.	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, REV.CHIM.(Bucharest), vol. 70, nr. 8, 2019, p. 3058-3061	1,755	DA	7	1,755
18.	Alina Cochiorca, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Florin Mosnegutu, Mirela Panainte Lehadus, Dana Chitimus , Oana Irimia, Ioan Gabriel Sandu, Surface water quality assessment from a mining area case study,	1,755	NU	9	0,195

	Groapa Burlacu lake, Targu Ocna, Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3678-3680				
19.	Carolina Untila, Mihail Caraman, Valentin Nedeff, Narcis Barsan, Ion Sandu, Alexandra Dana Chitimus , Vasile Valentin Cretu, Claudia Tomozei, Andrei Victor Sandu, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3570-3574	1,755	NU	9	0,195
20.	Alexandra Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Narcis Barsan, Ioan Gabriel Sandu, Claudia Tomozei, Absorption Capacity of Copper and Lead in the Case of Phragmites Australis Plant Species, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4035-4039	1,755	DA	8	1,755
21.	Narcis Barsan, Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Mirela Panainte Lehadus, Andrei Victor Sandu, Oana Irimia Tartoaca, Experimental Application of a Laboratory SBR Plant Used for Domestic Wastewater Treatment, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4098-4101	1,755	DA	7	1,755
22.	Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus , Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Claudia Tomozei, Influence of soil fertilization systems on chemical properties of the soil, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4557-4565	1,755	DA	8	1,755
23.	Alexandra-Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Cristian Radu, Narcis Barsan, Ioan Gabriel Sandu, Oana Irimia, Mathematical modeling for the accumulation of cadmium, zinc and arsenic from the soil in the case of Bulrush Plant type, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4566-4573	1,755	DA	7	1,755
24.	Narcis Barsan, Dana Chitimus , Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Claudia Tomozei, Mathematical correlations of the variable parameters specific for an SBR experimental laboratory plant,	1,755	DA	7	1,755

	REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4574-4578				
25.	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, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 986-994.	1,517	NU	8	0,1896
26.	Alexandra-Dana Chitimus , Florin-Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Influence of Bacau city's antropic activities on the heavy metals concentration measured on Bistrita and Siret river sides, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 350-354	1,755	DA	6	1,755
27.	Narcis Barsan, Alexandra Dana Chitimus , Oana-Maria Muscalu (Plescan), Florin Marian Nedeff, Ion Sandu, Elena Partal, Andrei Victor Sandu, Mirela Panainte Lehadus, Influence of fertilizers on soils used for oleaginous crop, REV.CHIM.(Bucharest), vol. 71, nr. 1, 2020, p. 233-238	1,755	DA	8	1,755
28.	Narcis Barsan, Doina Capsa, Emilian Moşnegutu, Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus , Claudia Tomozei, Andrei Victor Sandu, Correlations on the air nitrogen oxides pollutant concentration and climatic factors variations in Bacau city, REV.CHIM.(Bucharest), vol. 71, nr. 2, 2020, p. 358-364	1,755	DA	8	1,755
29.	Luminita Bibire, Florin Ion Lazar, Alexandra-Dana Chitimus , Adrian Stelian Ghenadi, Risk management in industrial companies, case study: collective work accident at a brewery, Scientific Study and Research Chemistry and Chemical Engineering, Biotechnology, Food Industry, vol. 21, nr. 1 2020, pg. 111-124.	0	DA	4	0
30.	Mirela Panainte-Lehadus, Emilian-Florin Mosnegutu, Valentin Nedeff, Narcis Barsan, Dana Chitimus , Dragos-Ioan Rusu, Mihai C. Nicolescu, Gheorghe Topan, Experimental application of the process industry solid particle's displacement in a vertical air flow,	1,755	NU	8	0,2193

	REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 9-21				
31.	Emilian-Florin Mosnegutu, Valentin Nedeff, Narcis Barsan, Ion Sandu, Mirela Panainte-Lehadus, Dana Chitimus , Ion Gabriel Sandu, Ovidiu Bontas, Dragos-Ioan Rusu, Gheorghe Topan, Application in process industry of the solid particles displacement on a flat oscillating surface, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 42-50	1,755	DA	10	1,755
32.	Alina Cochiorca, Valentin Nedeff, Narcis Barsan, Ion Sandu, Emilian Mosnegutu, Dana Alexandra Chitimus , Andrei Victor Sandu, Oana Irimia, Surface water and groundwater quality evaluation in a mining area, REV.CHIM.(Bucharest), vol. 71, nr. 6, 2020, p. 136-143	1,755	NU	8	0,2193
33.	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, vol. 21, nr. 2, 2020, p. 271 – 278	0	NU	6	0

FIC=28,4768

NUMĂRUL CITĂRILOR DIN BAZA DE DATE SCOPUS SAU ISI WEB OF SCIENCE (NC)

1. Narcis Barsan, Valentin Nedeff, Antonina Temea, Emilian Mosnegutu, Alexandra Dana Chitimus, Claudia Tomozei, A perspective for poor wastewater infrastructure regions: a small-scale sequencing batch reactor treatment system, Chemistry Journal Of Moldova. General, Industrial and Ecological Chemistry, 2017, vol. 12, nr. 1, pg. 61-66, WOS:000404526200006

1.	Alina Cochiorca, Valentin Nedeff, Narcis Bârsan, Emilian Florin Moşneguţu, Mirela Panainte-Lehăduş, Claudia Tomozei, Analysis of water quality for two rivers located near a mining area, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2018, vol. 19, nr. 4, pg. 455-463, WOS:000452211700009
2.	Mihaela-Elena Dascălu, Florin Nedeff, Emilian Mosneguţu, Juan Antonio López-Ramírez, Hydrodynamic surface evaluation of a polymeric reverse osmosis membrane using a crossflow cell, Revista De Chimie, vol. 70, nr. 3, 2019, pg. 866-870, WOS:000464911600024
3.	Laurentiu Tataru, Valentin Nedeff, Narcis Barsan, Andrei Victor Sandu, Emilian Mosnegutu, Mirela Panainte-Lehadus, Ion Sandu, Applications of Polymeric Membranes Ultrafiltration Process on the Retention of Bentonite Suspension, Materiale Plastice, vol. 56, no. 1, pg. 97-102, WOS:000464604100020
4.	Oana Tirtoaca (Irimia), Mirela Panainte Lehadus, Valentin Nedeff, Ion Sandu, Claudia Tomozei, Vasile Valentin Cretu, Andrei Victor Sandu, Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, Revista de Chimie vol. 70, nr.9, 2019, pg. 3378-3382, WOS: 000489958900060
5.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
6.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
7.	Bhat, M.A., Abbasi, T., Abbasi, S.A, A household-scale on-site embodiment of the novel bioreactor SHEFROL® for treating greywate, Taiwan Water Conservancy, vol. 68, nr. 2, 1 June 2020, p. 53-62

2. Mariana Turcu, Narcis Bârsan, Emilian Moşneguţu, Mihaela Dascălu, Dana Chiţimuş, Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering & Management Journal (EEMJ), 2016, vol. 15, nr. 3, pg. 521-526, WOS:000376876400005

8.	Alina Cochiorca, Valentin Nedeff, Narcis Bârsan, Emilian Florin Moşneguţu, Mirela Panainte-Lehăduş, Claudia Tomozei, Analysis of water quality for two rivers located near a mining area, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2018, vol. 19, nr. 4, pg. 455-463, WOS:000452211700009
9.	Lulofs Kris, Bressers Hans, The governance of major innovation in the water cycle. Examining three prominent technologies, Environmental Engineering and Management Journal, 2017, vol. 16, nr. 3, pg. 513-524, WOS:000403508600002
10.	Grčić Ivana, Koprivanac, Natalija, Andričević Roko, Reliability study of laboratory scale water treatment by advanced oxidation processes, Environmental Engineering and Management Journal, 2017, vol. 16, nr. 1, pg. 1-13
11.	Laurentiu Tataru, Valentin Nedeff, Narcis Barsan, Andrei Victor Sandu, Emilian Mosnegutu, Mirela Panainte-Lehadus, Ion Sandu, Applications of Polymeric Membranes Ultrafiltration Process on the Retention of Bentonite Suspension, Materiale Plastice, vol. 56, no. 1, pg. 97-102, WOS:000464604100020

12.	Lupascu Tudor, Ciobanu Mihail, Botan Victor, Sandu Ioan Gabriel, Dragalin Ion, Mitina Tatiana, Sandu Ion, Removal of ammonium ions and ammonia from groundwater by oxidation processes, Revista de Chimie vol. 69, nr.11, 2018, pg. 3082-3086, WOS:000451931500026
13.	Oana Tirtoaca (Irimia), Mirela Panainte Lehadus, Valentin Nedeff, Ion Sandu, Claudia Tomozei, Vasile Valentin Cretu, Andrei Victor Sandu, Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, Revista de Chimie vol. 70, nr. 9, 2019, pg. 3378-3382, WOS: 000489958900060
14.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
15.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339

3. Chitimus, Alexandra Dana, Nedeff, Valentin, Mosnegutu, Emilian., Panainte, Mirela, In situ soil flushing - studies on remediation efficiency of polluted sandy soils with organic acids, Engineering and Management Journal, 2012, vol. 11, nr. 12, pg. 2163-2168, WOS:000314169000007

16.	Emilian Moşneguţu, Valentin Nedeff, Narcis Bârsan, Dragoş Rusu, The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2018, vol. 19, nr. 4, pg. 431-441, WOS:000452211700007
17.	Elena Goldan, Valentin Nedeff, Narcis Bârsan, Emilian Mosnegutu, Mirela Panainte, . 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 2019, vol. 70, nr. 3, pg. 809-813, WOS:000464911600014
18.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, Revista de Chimie vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
19.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, Revista de Chimie vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
20.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, INTERNATIONAL Journal of Conservation Science, vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
21.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
22.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
23.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
24.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339

4. Chitimus, Alexandra Dana Mosnegutu, Emilian, Nicolescu, Mihai, Turcu, Mariana, Belciu, Mihai, Ardeleanu, Greta, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, 2014, vol. 13, nr. 7, pg. 1581-1856, WOS:000344577400005

25.	Emilian Moşneguţu, Valentin Nedeff, Narcis Bârsan, Dragoş Rusu, The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2018, vol. 19, nr. 4, pg. 431-441, WOS:000452211700007
26.	Camelia Smaranda, Laura Bulgariu, Mihaela Rosca, Evaluation of pentachlorophenol leaching potential in natural soils, E-Health and Bioengineering Conference (EHB), 2015, WOS:000380397900141
27.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, Revista de Chimie vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
28.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, Revista de Chimie, vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
29.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, INTERNATIONAL Journal of Conservation Science, vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
30.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
31.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
32.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
33.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
34.	Jiaguo Ren, Qianqian Wu, Puchuang Gao, Xing Wang, Ke Gong, Dongsheng Wang, Tongqian Jia, Xixi Ren, Permeability mutation mechanism of hydrogeochemical conditions in sea and freshwater transitional zone, Environmental Engineering and Management Journal, vol. 19, nr. 9 pg. 1615-1621

5. Radu Cristian, Chitimus Alexandra-Dana, Turcu Mariana, Ardeleanu Greta, Belciu Mihai, Impacts of anthropogenic activities in Bacau area upon heavy metals concentration on Bistrita river sides, Environmental Engineering and Management Journal, 2014, vol 13, nr.7, p. 1687-1691, WOS:000344577400017

35.	Zhao Jun Song, Li Ming Gong, Qiao Chen, Zhen Kui Gu, Luo Gao, Hai Jun Huang, Influence on the environment of the coastal area IN Jiaozhou Bay of China, Environmental Engineering and Management Journal, 2015, vol.14, nr.8, pg. 1897-1903, WOS:000366333400014
36.	Alina Cochiorca, Valentin Nedeff, Narcis Bârsan, Emilian Florin Moşneguţu, Mirela Panainte-Lehaduș, Claudia Tomozei, Analysis of water quality for two rivers located near a mining area, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2018, vol. 19, nr. 4, pg. 455-463, WOS:000452211700009

37.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll Pigments Content to the Bell Pepper (<i>Capsicum annum</i> L. var. Dariana Bac), <i>Revista de Chimie</i> vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
38.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, <i>Revista de Chimie</i> vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
39.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <i>Revista de Chimie</i> vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
40.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, <i>INTERNATIONAL Journal of Conservation Science</i> , vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
41.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (<i>Capsicum annum</i> L. var. Dariana Bac), <i>Revista de Chimie</i> vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
42.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
43.	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 TiO ₂ Ceramic Membrane, <i>Revista de Materiale Plastice</i> , 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
44.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, <i>Revista de Chimie</i> , vol. 71, nr. 2, 2020, pg. 365-370
45.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, <i>Revista de Chimie</i> vol. 71, nr.5, 2020, pg. 330-339

6. Chitimus Alexandra-Dana, Radu Cristian, Nedeff Valentin, Mosnegutu Emilian, Barsan Narcis, 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*, 2016, vol. 17, nr. 4, pg. 381-393, WOS:000391283400006

46.	Emilian Moşneaguţu, Valentin Nedeff, Narcis Bârsan, Dragoş Rusu, The influence of air velocity on the behavior of a solid particle displacement in a vertical path, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , 2018, vol. 19, nr. 4, pg. 431-441, WOS:000452211700007
47.	Alina Cochiorca, Valentin Nedeff, Narcis Bârsan, Emilian Florin Moşneaguţu, Mirela Panainte-Lehadus, Claudia Tomozei, Analysis of water quality fr two rivers located near a mining area, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , 2018, vol. 19, nr. 4, pg. 455-463, WOS:000452211700009
48.	Elena Goldan, Valentin Nedeff, Narcis Bârsan, Emilian Mosnegutu, Mirela Panainte, . 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, <i>Revista de Chimie</i> 2019, vol. 70, nr. 3, pg. 809-813, WOS:000464911600014
49.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll

	Pigments Content to the Bell Pepper (<i>Capsicum annum</i> L. var. <i>Dariana</i> Bac), <i>Revista de Chimie</i> vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
50.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, <i>Revista de Chimie</i> vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
51.	Elena Goldan, Valentin Nedeff, Ion Sandu, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte, The Use of Biochar and Compost Mixtures as Potential Organic Fertilizers, <i>Revista de Chimie</i> vol. 70, nr. 6, 2019, pg. 2192-2197, WOS:000475860100063
52.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <i>Revista de Chimie</i> vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
53.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, <i>INTERNATIONAL Journal of Conservation Science</i> , vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
54.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (<i>Capsicum annum</i> L. var. <i>Dariana</i> Bac), <i>Revista de Chimie</i> vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
55.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
56.	Svitlana Korsun, Nadiia Dovbush, Irina Klymenko, Anna Davydiuk, Aissa Benselhou, Translocation of lead, cadmium and zinc in corn plants depending on development phases, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , vol. 20, nr. 4, 2019, pg. 541 – 550, WOS: 000502846500004
57.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, <i>Revista de Chimie</i> , vol. 71, nr. 2, 2020, pg. 365-370
58.	Emilian Florin Mosnegutu, Mirela Panainte-Lehaduș, Florin Nedeff, Oana Tirtoaca (Irimia), Claudia Tomozei, WASTE Management evaluation in the context of sustainable development. case study Vasile Alecsandri University of Bacau, <i>International Journal of Conservation Science</i> , vol. 11, nr. 1, January-March, 2020, p. 179-188

7. Mihai-Cosmin Belciu, Emilian Florin Moşneguțu, Valentin Nedeff, Alexandra-Dana Chițimuș, Narcis Barsan, Silvia Fiore, Production capacity of leachate from Bihor landfill, *Environmental Engineering & Management Journal (EEMJ)*, 2016, vol. 15, nr. 9, pg. 2057-2062, WOS:000390326200019

59.	Rusu Lăcrămioara, Suceveanu Mirela, Şuteu Daniela, Favier Lidia, Harja Maria, Assessment of groundwater and surface water contamination by landfill leachate: a case study in Neamt county, Romania, <i>Environmental Engineering & Management Journal</i> , 2017, vol. 16, nr. 3, pg. 633-641, WOS:000403508600015
60.	Alina Cochiorca, Valentin Nedeff, Narcis Bârsan, Emilian Florin Moşneguțu, Mirela Panainte-Lehaduș, Claudia Tomozei, Analysis of water quality for two rivers located near a mining area, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , 2018, vol. 19, nr. 4, pg. 455-463, WOS:000452211700009
61.	Lavinia Misaila, Florin Marian Nedeff, Narcis Barsan, Ioan Gabriel Sandu, Luminita Grosu, Oana-Irina Patriciu, Lucian Gavrilă, Adriana-Luminita Finaru, Watershed - Android Application for the Mineral Waters Classification, <i>Revista de Chimie</i> , 2019, vol. 70, nr. 6, pg. 2212-2217, WOS:000475860100067
62.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil

	characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
63.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
64.	Emilian Florin Mosnegutu, Mirela Panainte-Lehăduş, 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, vol. 11, nr. 1, January-March, 2020, p. 179-188
65.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
66.	Chamem, Oumaima, Fellner, Johann, Zairi, Moncef, Ammonia inhibition of waste degradation in landfills - A possible consequence of leachate recirculation in arid climates, Waste Management and Research, DOI: 10.1177/0734242X20920945, mai 2020

8. Doina Capsa, Mirela Panainte, Dana Chitimus, Marius Stanila, Daniel-Catalin Felegeanu, Accidental pollution with ammonia. influence of meteorological factors, Environmental Engineering & Management Journal (EEMJ), 2014, vol. 13, nr.7, pg. 1573-1580, WOS:000344577400004

67.	Capsa Doina , Barsan Narcis, Felegeanu Daniel, Stanila Marius, Joita Ioan, Rotaru Madalin, Ureche Camelia, Influence of climatic factors on the pollution with nitrogen oxides (NOx) in Bacau city, Romania, Environmental Engineering & Management Journal, 2016, vol. 15, nr. 3, pg. 655-663, WOS:000376876400020
68.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
69.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046

9. Marius-Ion Stanila, Valentin Nedeff, Dana Chițimus, Mirela Panainte, Emilian Florin Mosnegutu, Optimization of a mixed cycle gas turbine TITAN 130S type operating under partial loads, Environmental Engineering & Management Journal (EEMJ), vol. 12, nr. 1, pg. 115-124, WOS:000317803300014

70.	Grigore Roxana, Capat Corneleia, Hazi Aneta, Hazi Gheorghe, Eco-efficiency indicators in the evaluation of environmental performance of thermal power plants, Environmental Engineering & Management Journal, 2016, vol. 15, nr. 1, pg. 143-149, WOS:000374795100016
71.	Emilian Moșneguțu, Oana Irimia, Doina Capsa, Florin Nedeff, Claudia Tomozei, Ion Joița, Gabriela Telibașa, Monitoring emissions from large combustion plants, Environmental Engineering & Management Journal, 2014, vol. 13, nr. 7, pg. 1657-1663, WOS:000344577400013

10. Chitimus Alexandra Dana, Cochiorca Alina, Nedeff Valentin, Barsan Narcis, Muscalu Plescan Oana, Studies and research on Phragmites Australis' (common reed) absorption capacity of heavy metals from the soil in Roman City, Proceeding of the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18, 2018, p. 671-678, DOI: 10.5593/sgem2018/3.1/S12.087

72.	Elena Goldan, Valentin Nedeff, Narcis Bârsan, Emilian Mosnegutu, Mirela Panainte, . 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, <i>Revista de Chimie</i> 2019, vol. 70, nr. 3, pg. 809-813, WOS:000464911600014
73.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll Pigments Content to the Bell Pepper (<i>Capsicum annum</i> L. var. <i>Dariana Bac</i>), <i>Revista de Chimie</i> vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
74.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, <i>Revista de Chimie</i> vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
75.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <i>Revista de Chimie</i> vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
76.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, <i>INTERNATIONAL Journal of Conservation Science</i> , vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
77.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (<i>Capsicum annum</i> L. var. <i>Dariana Bac</i>), <i>Revista de Chimie</i> vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
78.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008

11. Muscalu, Oana, Chitimus, Dana., Barsan, Narcis, Nedeff, Valentin, Mosnegutu, Emilian, Studies and research concerning the influence of liquid pollutants' leaching speed in the soil on the process of cleaning and self-cleaning, 17th International Multidisciplinary Scientific Geo Conference SGEM, 17, no. 2, 2017, p. 859-866, DOI: 10.5593/sgem2017/52/S20.110

79.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll Pigments Content to the Bell Pepper (<i>Capsicum annum</i> L. var. <i>Dariana Bac</i>), <i>Revista de Chimie</i> vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
80.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, <i>Revista de Chimie</i> vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
81.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <i>Revista de Chimie</i> vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
82.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, <i>INTERNATIONAL Journal of Conservation Science</i> , vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
83.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (<i>Capsicum annum</i> L. var. <i>Dariana Bac</i>), <i>Revista de Chimie</i> vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
84.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil

	characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
85.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
86.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370

12. Muscalu, Oana, Nedeff, Valentin, Sandu, Gabriel, Chitimus, Alexandra Dana, Partal, Elena, Barsan, Narcis, Rusu, Dragos, Influence of soil fertilization systems and crop rotation on soil chemical properties, Revista de Chimie (Bucharest), 2019, vol. 70, no. 2, p. 536-542, WOS:000461982200036

87.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll Pigments Content to the Bell Pepper (Capsicum annumL. var. Dariana Bac), Revista de Chimie vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
88.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, Revista de Chimie vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
89.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, Revista de Chimie vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
90.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, INTERNATIONAL Journal of Conservation Science, vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
91.	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, vol. 70, nr. 6, 2019, pg. 2192-2197, WOS:000475860100063
92.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (Capsicum annumL. var. Dariana Bac), Revista de Chimie vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
93.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
94.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
95.	Emilian Florin Mosnegutu, Mirela Panainte-Lehaduș, 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, vol. 11, nr. 1, January-March, 2020, p. 179-188

13. Muscalu Oana, Nedeff Valentin, Chitimus, Alexandra Dana, Sandu Gabriel, Partal, Elena, Mosnegutu, Emilian, Sandu, Ion, Rusu, Dragos, Influence of fertilization systems on physical and chemical properties of the soil, Revista de Chimie, vol. 69, no. 11, 2018, p. 3106-3111, WOS:000451931500031

96.	Gabriel-Alin Iosob, Valentin Nedeff, Ion, Sandu, Maria Prisecaru, Tina Oana Cristea, Study of Phytotoxic Effects of Copper (Cu ²⁺) and Cadmium (Cd ²⁺) On Seed Germination and Chlorophyll Pigments Content to the Bell Pepper (<i>Capsicum annuum</i> L. var. Dariana Bac), <i>Revista de Chimie</i> vol. 70, nr. 4, 2019, pg. 1416-1419, WOS:000469387200065
97.	Elena Goldan, Valentin Nedeff, Narcis Bârsan, Emilian Mosnegutu, Mirela Panainte, . 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, <i>Revista de Chimie</i> 2019, vol. 70, nr. 3, pg. 809-813, WOS:000464911600014
98.	Oana-Maria Muscalu (Pleşcan), Valentin Nedeff, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Ion Sandu, Narcis Barsan, Dragoş Rusu, Influence of main works systems on physical and chemical properties of the soil, <i>Revista de Chimie</i> vol. 70, nr. 5, 2019, pg.1726-1730, WOS:000470086400043
99.	Lavinia Misaila, Florin Marian Nedeff, Narcis Barsan, Ioan Gabriel Sandu, Luminita Grosu, Oana-Irina Patriciu, Lucian Gavrila, Adriana-Luminita Finaru, Watershed - Android Application for the Mineral Waters Classification, <i>Revista de Chimie</i> , 2019, vol. 70, nr. 6, pg. 2212-2217, WOS:000475860100067
100.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <i>Revista de Chimie</i> vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
101.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, <i>INTERNATIONAL Journal of Conservation Science</i> , vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 00048882700009
102.	Grădinaru Andrei Cristian, Solcan Gheorghe, Spataru Claudia, Hritcu Lucia, Burtan Liviu, Spataru Constantin, The ecotoxicology of heavy metals from various anthropogenic sources and pathways for their bioremediation, <i>Revista de Chimie</i> , Volume 70, Issue 7, 2019, Pages 2556-2560, WOS 000485843500052
103.	Oana Tirtoaca (Irimia), Mirela Panainte Lehadus, Valentin Nedeff, Ion Sandu, Claudia Tomozei, Vasile Valentin Cretu, Andrei Victor Sandu, Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, <i>Revista de Chimie</i> vol. 70, nr.9, 2019, pg. 3378-3382, WOS: 000489958900060
104.	Gabriel Alin Iosob, Valentin Nedeff, Ion Sandu, Tina Oana Cristea, Maria Prisecaru, Ioan Gabriel Sandu, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (<i>Capsicum annuum</i> L. var. Dariana Bac), <i>Revista de Chimie</i> vol. 70, nr. 9, 2019, pg. 3262-3266, WOS: 000489958900037
105.	Oana-Maria Muscalu (Pleşcan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, <i>Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry</i> , vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
106.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, <i>Revista de Chimie</i> , vol. 71, nr. 2, 2020, pg. 365-370
107.	Emilian Florin Mosnegutu, Mirela Panainte-Lehaduș, Florin Nedeff, Oana Tirtoaca (Irimia), Claudia Tomozei, WASTE Management evaluation in the context of sustainable development. case study Vasile Alecsandri University of Bacau, <i>International Journal of Conservation Science</i> , vol. 11, nr. 1, January-March, 2020, p. 179-188

14. Laureniu Tataru, Valentin Nedeff, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte Lehadus, Ion Sandu, Dana Chitimus, Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, *Revista de Materiale Plastice*, 2018, vol. 55, no. 4, p. 660-685, WOS:000454987400048.

108.	Mihaela-Elena Dascălu, Florin Nedeff, Emilian Mosnegutu, Juan Antonio López-Ramírez, Hydrodynamic surface evaluation of a polymeric reverse osmosis membrane using a crossflow cell, <i>Revista De Chimie</i> , vol. 70, nr. 3, 2019, pg. 866-870, WOS:000464911600024
------	--

109.	Oana Tirtoaca (Irimia), Mirela Panainte Lehadus, Valentin Nedeff, Ion Sandu, Claudia Tomozei, Vasile Valentin Cretu, Andrei Victor Sandu, Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, Revista de Chimie vol. 70, nr. 9, 2019, pg. 3378-3382, WOS: 000489958900060
110.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
111.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
112.	Tang Chang-Bin, Niu Hao, Lu Yu-Xuan, Wang Fei, Zhang Yu-Jie, Xue Juan-Qin, Electrodeposited MnO ₂ -based Capacitive Composite Electrodes for Pb ²⁺ Adsorption, Revista de Chimie, vol. 71, nr. 7, 2020, p. 284-298

15. Emilian Florin Mosnegutu, Valentin Nedeff, Alexandra Dana Chitimus, Dragos-Ioan Rusu, Ion Joita, Aspects regarding the Siret river direction-changing in the Bacau County Region, Romania, International Journal Of Conservation Science, Volume 10, Issue 1, January-March 2019, 139-146, WOS:000462542400012

113.	Sampah Georges Eblin, Kouakou Seraphin Konan, Oi Mangoua Jules Mangoua, Valentin Nedeff, Andrei Victor Sandu, Narcis Barsan, Ion Sandu, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, Revista de Chimie vol. 70, nr. 7, 2019, pg. 2579-2583, WOS 000485843500057
114.	Sampah Georges Eblin, Kouao Armand Anoh, Affoué Berthe Yao, Nagnin Soro, Valentin Nedeff, Emilian Mosnegutu, Andrei Victor Sandu, MAPPING Groundwater vulnerability to pollution in the region of Adiake, Southeast Coastal of Côte D'Ivoire: a comparative study of three (3) methods, INTERNATIONAL Journal of Conservation Science, vol. 10, nr. 3, July-September 2019, pg. 493-506, WOS: 000488882700009
115.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
116.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
117.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339

16. Carolina Untila, Mihail Caraman, Valentin Nedeff, Narcis Barsan, Ion Sandu, Alexandra Dana Chitimus, Vasile Valentin Cretu, Claudia Tomozei, Andrei Victor Sandu, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3570-3574

118.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
119.	Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the ExcitationEmission

	Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
120.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
121.	Lavinia Misăilă, Narcis Bârsan, Florin Marian Nedeff, Dumitra Răducanu, Luminița Grosu, Oana-Irina Patriciu, Lucian Gavrilă, Adriana-Luminița Finaru, Quality assessment of Slanic-Moldova mineral waters stored in reusable bottles, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 21, nr. 2, 2020, p. 253 – 262

17. 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, REV.CHIM.(Bucharest), vol. 70, nr. 7, 2019, p. 2545-2551

122.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
123.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
124.	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, vol. 11, nr. 1, January-March, 2020, p. 179-188

18. 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, REV.CHIM.(Bucharest), vol. 70, nr. 8, 2019, p. 3058-3061

125.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
126.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
127.	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, vol. 11, nr. 1, January-March, 2020, p. 179-188

19. 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, p. 371-380

128.	Oana-Maria Muscalu (Plescan), Florin-Marian Nedeff, Elena Partal, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Claudia Tomozei, Influence of soil fertilization systems on soil characteristics for a monoculture of sunflower, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 4, 2019, pg. 585 – 595, WOS: 000502846500008
------	---

129.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
130.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339

20. Laurențiu Tataru, Valentin Nedeff, Emilian Moșneguțu, Mirela Panainte-Lehăduș, Dana Alexandra Chițimuș, Exploitation of organic ultrafiltration membranes in the removal of peptone from wastewater, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 20, nr. 1, 2019, pg. 75-87

131.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
132.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339

21. Alina Cochiorca, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Florin Mosnegutu, Mirela Panainte Lehadus, Dana Chitimus, Oana Irimia, Ioan Gabriel Sandu, Surface water quality assessment from a mining area case study, Groapa Burlacu lake, Targu Ocna, Romania, REV.CHIM.(Bucharest), vol. 70, nr. 10, 2019, p. 3678-3680

133.	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 TiO ₂ Ceramic Membrane, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 995-1002, WOS: 000509920700046
134.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
135.	Lavinia Mișăilă, Narcis Bârsan, Florin Marian Nedeff, Dumitra Răducanu, Luminița Grosu, Oana-Irina Patriciu, Lucian Gavrilă, Adriana-Luminița Finaru, Quality assessment of Slanic-Moldova mineral waters stored in reusable bottles, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 21, nr. 2, 2020, p. 253 – 262

22. Alexandra-Dana Chitimus, Florin Marian Nedeff, Ion Sandu, Cristian Radu, Narcis Barsan, Ioan Gabriel Sandu, Oana Irimia, Mathematical modeling for the accumulation of cadmium, zinc and arsenic from the soil in the case of Bulrush Plant type, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4566-4573

136.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
------	--

23. Alexandra Dana Chitimus, Florin Marian Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Narcis Barsan, Ioan Gabriel Sandu, Claudia Tomozei, Absorption Capacity of Copper and Lead in the Case of Phragmites Australis Plant Species, REV.CHIM.(Bucharest), vol. 70, nr. 11, 2019, p. 4035-4039

137.	Alisa Mosneaga, Valentin Nedeff, Ion Sandu, Petru Lozovanu, Emilian Mosnegutu, Mirela Panainte Lehadus, Ioan Gabriel Sandu, Utilization of ozone and composite materials in the seed treatment to
------	---

	stimulate the germination and growth of agricultural crops, Revista de Chimie, vol. 71, nr. 2, 2020, pg. 365-370
138.	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, vol. 11, nr. 1, January-March, 2020, p. 179-188

24. Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ion Sandu, Alexandra Dana Chitimus, Elena Partal, Emilian Mosnegutu, Ioan Gabriel Sandu, Claudia Tomozei, Influence of soil fertilization systems on chemical properties of the soil, REV.CHIM.(Bucharest), vol. 70, nr. 12, 2019, p. 4557-4565

139.	Vlad Emil Crisan, Lucian Constantin Dinca, Sorin Stefan Deca, Analysis of chemical properties of forest soils from Bacau County, Revista de Chimie, vol. 71, nr. 4, 2020, pg. 81-86
------	---

25. 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, Revista de Materiale Plastice, 2019, vol. 56, no. 4, p. 986-994.

140.	Mihaela-Elena Dascalu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Ceramic Nanofiltration Membrane Fouling: Application of Mathematical Modelling to the Use of Excitation Emission Matrix Spectroscopy, Revista de Chimie vol. 71, nr.5, 2020, pg. 330-339
141.	Mihalache Sanda Florentina, Cărbureanu Mădălina, The factorial analysis of the activated sludge treatment process parameters, Revista de Chimie, vol. 71, nr. 5, 2020, pg. 75-85

NC= 141

**DATA
4.01.2021**

Ș. L. DR. ING. CHIȚIMUȘ ALEXANDRA-DANA