

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NATIONALE PENTRU OBTINEREA ATESTATULUI DE ABILITARE

CANDIDAT: CANDIDAT: MODROGAN Cristina, **Atestat de Abilitare –Domeniul Ingineria Mediului, Depart. de CHIMIE ANALITICĂ ȘI INGINERIA MEDIULUI, Facultatea de CHIMIE APLICATĂ ȘI ȘTIINȚA MATERIALELOR**

Conditii	Indeplinire conditii	
A. Doctor	Diploma de doctor în domeniul Inginerie Chimica, nr. 60 din 30.08.2010, emisă de Universitatea POLITEHNICA din Bucuresti	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6560/20.12.2012; MO, I, 890 si 890 bis/27.12.2012	Standarde indeplinite, conform Comisiei CNATDCU Nr. 18, Comisia INGINERIA MEDIULUI Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specific domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
Număr total de articole ISI (NT)	25	34
Număr articole în reviste ISI la care candidatul este autor principal (NP)	10	23
Factor de impact cumulat (FIC)*	20	41.4963
Număr total de citări (NC)	100	112
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	Diploma de Inginer, în domeniul <i>Chimie Industrială</i>, specializarea Ingineria Protecției Mediului în Industria Chimică și Petrochimică, Nr. 1859 din 4.12.2000 emisă de Universitatea POLITEHNICA Bucuresti Diplomă de Studii Aprofundate, Specializarea Controlul Analitic al Calității Mediului și Tehnici de Depoluare, Nr. 568 din 14.02.2002 emisă de Universitatea POLITEHNICA Bucuresti Alte Diplome..... Alte Certificate - Certificat absolvire pentru pregătirea persoanelor didactice, Seria B, Nr. 0003574 din 12.12.2000 - Certificat de absolvire formator de formatori, seria F, nr. 0050538 Alte Acte de atestare a studiilor/realizarilor profesionale.....	

*Toti factorii de impact pentru articole corespund anului 2019 (12.01.2021)

Subsemnata, **Cristina MODROGAN**, candidată la susținerea tezei de abilitare, Departamentul de **CHIMIE ANALITICA SI INGINERIA MEDIULUI**, Facultatea de **CHIMIE APLICATĂ SI ȘTIINȚA MATERIALELOR**, din Domeniul de Studii Univ. **INGINERIA MEDIULUI**, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr. **18, Comisia INGINERIA MEDIULUI**, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 pentru înscrierea la concurs [Secțiunea II.3], OMECTS 6560/2012 si OMEN nr. 4204/15.07.2013 [C + P], în momentul înscrierii la concurs, si susțin veridicitatea informațiilor prezentate în dosar si în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internationale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta dată.

Candidat,
Cristina MODROGAN

Data
12.01.2021

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE
LA CONCURS
– SUSTINEREA TEZEI DE ABILITARE –**

1. Lista total articole publicate în reviste ISI (NT)

Nr. crt	Articol	FI*
1	Căprărescu, S., Zgârian, R.G., Tihan, G.T., Purcar, V., Totu, E.E., <i>Modrojan, C.</i> , Chiriac, A.-L., Nicolae, C.A., Biopolymeric membrane enriched with chitosan and silver for metallic ions removal , <i>Polymers</i> , Open Access Volume 12, Issue 8, 2020, WOS: 000567278500001	3.426
2	<i>Cristina Modrojan</i> , Simona Căprărescu, Annette Madelene Dăncilă, Oanamari Daniela Orbuleț, Eugeniu Vasile and Violeta Purcar, Mixed Oxide Layered Double Hydroxide Materials: Synthesis, Characterization and Efficient Application for Mn²⁺ Removal from Synthetic Wastewater , <i>Materials</i> 2020, 13(18),4089; WOS: 005817050000010 ; https://doi.org/10.3390/ma13184089	3.057
3	<i>Modrojan, C.</i> , Pandeale, A.M., Bobirică, C., Dobrotă, D., Dăncilă, A.M., Gârleanu, G., Orbuleț, O.D., Borda, C., Gârleanu, D., Orbeci, C., Synthesis, characterization and sorption capacity examination for a novel hydrogel composite based on gellan gum and graphene oxide (GG/GO) , <i>Polymers</i> , Open Access Volume 12, Issue 5, 1 May 2020, WOS: 000541431100187	3.426
4	Dăncilă, A.M., Căprărescu, S., Bobirică, C., Purcar, V., Gârleanu, G., Vasile, E., <i>Modrojan, C.</i> , Borda, C., Dobrotă, D., Optimization of the technological parameters for obtaining Zn-Ti Based Composites to increase the performance of H₂S removal from syngas , <i>Processes</i> , Open Access, Volume 8, Issue 5, 1 May 2020, WOS: 000541752600004	2.753
5	Simona CAPRARESCU, Violeta PURCAR, <i>Cristina MODROGAN</i> , Commercial aqueous additives used as eco-friendly corrosion inhibitors for carbon steel in natural seawater , <i>Rev. Roum. Chim.</i> , 2020, 65(1), 77-82 DOI:10.33224/rch.2020.65.1.08, WOS: 000548815700008	0.381
6	Ion, I., Ivan, G.R., Senin, R.M., Doncea, S.M., Capra, L., <i>Modrojan, C.</i> , Oprea, O., Stinga, G., Orbuleț, O., Ion, A.C. Adsorption of triclocarban (TCC) onto fullerene C60 in simulated environmental aqueous conditions , <i>Separation Science and Technology (Philadelphia)</i> , 54, 1.71817, 22, 2019, Pages 2759-2772, WOS: 000488967200001	1.718
7	S. Caprarescu, D. Ion-Ebrasu, A. Soare, V. Purcar, A.-L. Radu, A. Sarbu, M. (Neagu) Pascu, C. <i>Modrojan</i> , A. M. Dancila, C. Deleanu, Removal of Nickel Ions from Synthetic Wastewater Using Copolymers/Natural Extract Blend Membranes , <i>Romanian Journal of Physics</i> , 64, 821 (2019) WOS: 000501555500012	1.197
8	Irina Pincovschi, <i>Cristina Modrojan</i> , Absorption of sulfur dioxide in water with high salinity , <i>Revista de chimie, REV.CHIM.(Bucharest)</i> , 70, 6, 2019, 1908-1910, WOS: 000475860100004	1.755

9	S. Caprarescu, C. Modrojan, V. Purcar, A. M. Dancila, I. Fierascu, Study of corrosion efficiency of mild steel using commercial liquid additives for fish in natural water , Revista de Chimie (Bucharest), 70 (4), 2019, 1140-1143 WOS: 000469387200007	1.755
10	Orbuleț, O.D., Modrojan, C., Orbeci, C., Dancilă, M.A., Bobirică, C., Bobirică, L., Vasile, E., Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO₂ Adsorption Capacity , Water, air and soil pollution, 229, 12, 2018, DOI: 10.1007/s11270-018-4041-5, WOS: 000451653000001	1.900
11	Irina Pincovschi, Cristina Modrojan, The Determination of Mass Transfer Characteristics of a Column for Sulphur Dioxide Adsorption in 13 X Zeolite Working in Unsteady-State Regime , REV. CHIM. (Bucharest), 69, 9, 2018, pp. 2578-2580; WOS: 000449628400058	1.755
12	Irina Pincovschi, Neacsu Nicoleta, Cristina Modrojan The adsorption of lead, copper, chrome and nikel ions from waste waters in agricultural argillaceous soils , REV. CHIM. (Bucharest), 68, 2017 pp. 635-638 WOS: 000400732400001	1.755
13	Irina Pincovschi, Neacsu Nicoleta, Cristina Modrojan, The adsorption of cadmium and zinc ions from waste waters in agricultural argillaceous soils , REV. CHIM. (Bucharest), 68, 2017 pp., 527-529, WOS: 000400731900023	1.755
14	Oanamari Daniela Orbuleț, Irina Pincovschi, Cristina Modrojan, Adsorption of Sulfur Dioxide from Water Solutions Using Hypercrosslinked Polymers , REV. CHIM. (Bucharest), 67, No. 5, 2016, pp. 829-832, WOS: 000378158100002	1.755
15	Cristina Modrojan, Irina Pincovschi, Depolution Acid Waste Waters Containing Cadmium and Zinc Ions Using as Extractant Tri-n-octyl-phosphine Oxide , REV. CHIM. (Bucharest), 67, No. 4 2016, pp. 645-648, WOS: 000376549200011	1.755
16	Cristina Orbeci, Cristina Modrojan, Annette Madelene Dancila, Degradation of pharmaceutical effluents by photo-assisted techniques , REV. CHIM. (Bucharest), 67, No.1, 2016, p. 166-170, WOS: 000369524300037	1.755
17	Daniela – Elena Pascu, Cristina Modrojan, Alexandra Raluca Miron, Paul Constantin Albu, Daniela Dumitra Clej, Mihaela Pascu (Neagu), Simona Caprarescu, Use of Mathematical Modelling in Water and Wastewater Area , REV.CHIM.(Bucharest), 66, No.12, 2015, pp. 1950-1955, WOS: 000368437100007	1.755
18	Simona Caprarescu, Anita-Laura Radu, Violeta Purcar, Raluca Ianchis, Andrei Sarbu, Marius Ghiurea, Cristian Nicolae, Cristina Modrojan, Danut-IonelVaireanu, Alain Périchaud, Daniela-Ion Ebrasu, Adsorbents/ion exchangers-PVA blend membranes: preparation, characterization and performance for the removal of Zn²⁺ by electrodialysis , Applied Surface Science 329 (2015) pp. 65–75, WOS: 000349616500009	6.182
19	Cristina Modrojan, Alexandra Raluca Miron, Oanamari Daniela Orbuleț, Cristina Costache, Giani Apostol, Ion exchange processes on weak acid resins for wastewater containing cooper ions	0.00

	treatment , Environmental Engineering and Management Journal February 2015, Vol.14, No. 2, 449-454, WOS: 000351604300022	
20	<i>Cristina Modrojan</i> , Alexandra Raluca Miron, Irina Pincovschi, Cristina Costache, Firas Hashim Kamar, Zinc, cooper and cadmium solvent extraction at equilibrium , REV. CHIM. (Bucharest), 66, No.9, 2015, pp. 1257-1260, WOS: 000363359700001	1.755
21	Cristina Orbeci, Luoana Florentina Pascu, <i>Cristina Modrojan</i> , Degradation of organic compounds from industrial pharmaceutical effluent through advanced oxidation processes , REV. CHIM. (Bucharest), 66, No. 4, 2015, pp. 482-486, WOS: 000354914500009	1.755
22	Petcu Cristiana, Purcar Violeta, Radu Anita-Laura, Ianchis Raluca, Elvira Alexandescu, Sarbu Andrei, Ion-Ebrasu Daniela, Miron Alexandra Raluca, <i>Modrojan Cristina</i> , Ciobotaru Alina Ioana, Removal of zinc ions from model wastewater system using bicopolymer membranes with fumed silica , Journal of Water Process Engineering 8 (2015) 1–10, WOS: 000431388700013	3.456
23	Nicoleta Neacșu, Irina Pincovschi, <i>Cristina Modrojan</i> , Depollution of acid waste waters containing arsenic ions using liquid-liquid extraction , U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 2, 2015 ISSN 1454 – 2331, WOS: 000417044700009	1.755
24	Dumitru Dinca, Alexandra Raluca Miron, <i>Cristina Modrojan</i> , “Recovery of organic waste with cobustion capacity” , UPB, Sci.Bull., Series B, vol.77, Iss.1, p.120-128, 2015, WOS: 000417043900011	1.755
25	Gabriela Andrei, <i>Cristina Modrojan</i> , Frumuzache Barca, An insight into romanian schists and their use , U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 4, 2015, p. 147-160, WOS: 000417047800013	0.00
26	<i>Cristina Modrojan</i> , Irina Pincovschi, Depollution of Acid Waste Waters Containing Zinc Ions Using Liquid - Liquid Extraction , REV. CHIM. (Bucharest) 65, 11, 2014, 1253 – 1255, WOS: 000345946300001	1.755
27	<i>Cristina Modrojan</i> , Oanamari Daniela Orbulet, Alexandra Raluca Miron, Nitrate Removal from Water using Exchange Resins , 65, 12, 2014, 1502- 1506, Rev. Chim. (Bucharest), 65, 12, 2014, 1502-1506, WOS: 000345946400022	1.755
28	<i>Cristina Modrojan</i> , Irina Pincovschi, Sanda Budea, Depollution of Acid Waste Waters Containing Cadmium Ions Using Liquid-Liquid Extraction , Rev. Chim. (Bucharest) 65, 10, 2014, 1235-1237, WOS: 000344719500024	1.755
29	Irina Pincovschi, <i>Cristina Modrojan</i> , Chromatographic Method for Determination of the Number of Mass Transfer Units in Adsorption Columns in Unsteady-State Conditions , Rev. Chim. (Bucharest) 65, 10, 2014, 876-879, WOS: 000340867000002	1.755
30	<i>Cristina Modrojan</i> , Dumitru Giani Apostol, Oanamari Daniela Butucea, Alexandra Raluca Miron, Cristina Costache, Redha Kouachi, Kinetic study of hexavalent chromium removal, from wastewaters by ion exchange , Environmental Engineering and Management Journal, May 2013, Vol.12, No. 5, 929-935, WOS: 000325283100011	0.00

31	Alexandra Raluca Miron, <i>Cristina Modroga</i> , Oanamari Daniela Orbuleț, „ Studies and Research Regarding Some Pollutants Removal Using Electro-coagulation Technique ”, REV. CHIM. (Bucharest), 62, nr.2, 2011, pg.163-167, WOS: 000288838800009	1.755
32	<i>Cristina Modroga</i> , Oanamari Daniela Orbuleț, Alexandra Raluca Miron, Dumitru Apostol, „ Kinetic Research Regarding the Nutrient Retention in the Soil Using the Neural Networks ”, REV. CHIM. (Bucharest) 62 Nr.3 pag. 272-277, 2011, WOS: 000289814300004	1.755
33	Alexandra Raluca Miron, <i>Cristina Modroga</i> , Oanamari Daniela Orbuleț “ Evaluation of Electro Coagulation Process Performances for Decolorization of Alizarin Saphirol Containing Solution ”, REV. CHIM. (Bucharest), 61, Nr.7, pg 646-650, 2010, WOS: 000281217000008	1.755
34	<i>Cristina Modroga</i> , Ecaterina Diaconu, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, “ Forecasting study for nitrate ion removal using reactive barriers ”, REV. CHIM. (Bucharest), 61, 6, pag. 580-584, 2010, WOS: 000279757800014	1.755

*Toti factorii de impact pentru articolele corespund anului 2019 (12.01.2021)

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE
LA CONCURS
– SUSTINEREA TEZEI DE ABILITARE –**

2. Lista de articole publicate în reviste ISI în calitate de *autor principal* (NP)

Nr. Crt.	Articol	FI*
1	<i>Cristina Modroga</i> , Simona Căprărescu, Annette Madelene Dăncilă, Oanamari Daniela Orbuleț, Eugeniu Vasile and Violeta Purcar, Mixed Oxide Layered Double Hydroxide Materials: Synthesis, Characterization and Efficient Application for Mn²⁺ Removal from Synthetic Wastewater , <i>Materials</i> , 2020, 13(18), 4089; https://doi.org/10.3390/ma13184089 , WOS: 000581705000001	3.057
2	<i>Modroga, C.</i> , Pandele, A.M., Bobirică, C., Dobrotă, D., Dăncilă, A.M., Gârleanu, G., Orbuleț, O.D., Borda, C., Gârleanu, D., Orbeci, C., Synthesis, characterization and sorption capacity examination for a novel hydrogel composite based on gellan gum and graphene oxide (GG/GO) , <i>Polymers</i> , Open Access Volume 12, Issue 5, 1 May 2020, WOS: 000541431100187	3.426
3	Dăncilă, A.M., Căprărescu, S., Bobirică, C., Purcar, V., Gârleanu, G., Vasile, E., <i>Modroga, C.</i> , Borda, C., Dobrotă, D., Optimization of the technological parameters for obtaining Zn-Ti Based Composites to increase the performance of H₂S removal from syngas , <i>Processes</i> , Open Access Volume 8, Issue 5, 1 May 2020, WOS: 000541752600004	2.753
4	Irina Pincovschi, <i>Cristina Modroga</i> , Absorption of sulfur dioxide in water with high salinity , <i>Revista de chimie</i> , REV.CHIM.(Bucharest)♦70♦ No. 6, 2019, 1908-1910, WOS: 000475860100004	1.755
5	S. Caprarescu, <i>C. Modroga</i> , V. Purcar, A. M. Dancila, I. Fierascu, Study of corrosion efficiency of mild steel using commercial liquid additives for fish in natural water , <i>Revista de Chimie (Bucharest)</i> , 70 (4), 2019, 1140-1143, WOS: 000469387200007	1.755
6	Orbuleț, O.D., <i>Modroga, C.</i> , Orbeci, C., Dăncilă, M.A., Bobirică, C., Bobirică, L., Vasile, E., Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO₂ Adsorption Capacity , <i>Water, air and soil pollution</i> , 229, 12, 2018, DOI: 10.1007/s11270-018-4041-5, WOS:000451653000001	1.900
7	Irina Pincovschi, <i>Cristina Modroga</i> , The Determination of Mass Transfer Characteristics of a Column for Sulphur Dioxide Adsorption in 13 X Zeolite Working in Unsteady-State Regime , <i>REV.CHIM. (Bucharest)</i> , 69, 9, 2018, pp. 2578-2580, WOS: 000449628400058	1.755
8	Irina Pincovschi, Neacsu Nicoleta, <i>Cristina Modroga</i> The adsorption of lead, copper, chrome and nikel ions from waste waters in agricultural argillaceous soils , <i>REV. CHIM. (Bucharest)</i> , 68, 2017 pp. 635-638, WOS: 000400732400001	1.755
9	Irina Pincovschi, Neacsu Nicoleta, <i>Cristina Modroga</i> , The adsorption of cadmium and zinc ions from waste waters in agricultural	1.755

	argillaceous soils , REV. CHIM. (Bucharest), 68, 2017 pp., 527-529, WOS: 000400731900023	
10	<i>Cristina Modrojan</i> , Irina Pincovski, Depollution Acid Waste Waters Containing Cadmium and Zinc Ions Using as Extractant Tri-n-octyl-phosphine Oxide , REV. CHIM. (Bucharest), 67, No. 4, 2016, pp. 645-648, WOS: 000376549200011	1.755
11	Cristina Orbeci, <i>Cristina Modrojan</i> , Annette Madelene Dancila, Degradation of pharmaceutical effluents by photo-assisted techniques , REV. CHIM. (Bucharest), 67, No.1, 2016, p. 166-170, WOS: 000369524300037	1.755
12	<i>Cristina Modrojan</i> , Alexandra Raluca Miron, Oanamari Daniela Orbulet, Cristina Costache, Giani Apostol, Ion exchange processes on weak acid resins for wastewater containing cooper ions treatment , Environmental Engineering and Management Journal February 2015, Vol.14, No. 2, 449-454, WOS: 000325283100011	0.00
13	<i>Cristina Modrojan</i> , Alexandra Raluca Miron, Irina Pincovski, Cristina Costache, Firas Hashim Kamar, Zinc, cooper and cadmium solvent extraction at equilibrium , REV. CHIM. (Bucharest), 66, No.9, 2015, pp. 1257-1260, WOS: 000363359700001	1.755
14	Gabriela Andrei, <i>Cristina Modrojan</i> , Frumuzache Barca, An insight into romanian schists and their use , U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 4, 2015, p. 147-160, WOS: 000417047800013	0.00
15	Dumitru Dinca, Alexandra Raluca Miron, <i>Cristina Modrojan</i> , “Recovery of organic waste with cobustion capacity” , UPB, Sci.Bull., Series B, vol.77, Iss.1, p.120-128, 2015, WOS: 000417043900011	0.00
16	Cristina Orbeci, Luoana Florentina Pascu, <i>Cristina Modrojan</i> , Degradation of organic compounds from industrial pharmaceutical effluent through advanced oxidation processes , REV. CHIM. (Bucharest), 66, No. 4, 2015, pp. 482-486, WOS: 000354914500009	1.755
17	<i>Cristina Modrojan</i> , Irina Pincovski, Depollution of Acid Waste Waters Containing Zinc Ions Using Liquid - Liquid Extraction , REV. CHIM. (Bucharest) 65, 11, 2014, 1253 – 1255, WOS: 000345946300001	1.755
18	<i>Cristina Modrojan</i> , Irina Pincovski, Sanda Budea, Depollution of Acid Waste Waters Containing Cadmium Ions Using Liquid-Liquid Extraction , Rev. Chim. (Bucharest) 65, 10, 2014, 1235-1237, WOS: 000344719500024	1.755
19	<i>Cristina Modrojan</i> , Oanamari Daniela Orbulet, Alexandra Raluca Miron, Nitrate Removal from Water using Exchange Resins , 65, 12, 2014, 1502- 1506, Rev. Chim. (Bucharest), 65, 12, 2014, 1502-1506, WOS: 000345946400022	1.755
20	Irina Pincovski, <i>Cristina Modrojan</i> , Chromatographic Method for Determination of the Number of Mass Transfer Units in Adsorption Columns in Unsteady-State Conditions , Rev. Chim. (Bucharest) 65, 10, 2014, 876-879, WOS: 000340867000002	1.755
21	<i>Cristina Modrojan</i> , Dumitru Giani Apostol, Oanamari Daniela Butucea, Alexandra Raluca Miron, Cristina Costache, Redha Kouachi, Kinetic study of hexavalent chromium removal, from wastewaters by ion exchange , Environmental Engineering and Management Journal, May 2013, Vol.12, No. 5, p. 929-935, WOS: 000325283100011	0.00

22	<i>Cristina Modroga</i> , Oanamari Daniela Orbuleț, Alexandra Raluca Miron, Dumitru Apostol, „ Kinetic Research Regarding the Nutrient Retention in the Soil Using the Neural Networks ”, REV. CHIM. (Bucharest) 62 Nr.3 pag. 272-277, 2011, WOS: 000289814300004	1.755
23	<i>Cristina Modroga</i> , Ecaterina Diaconu, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, “ Forecasting study for nitrate ion removal using reactive barriers ”, REV. CHIM. (Bucharest), 61,6, pag. 580-584, 2010, WOS: 000279757800014	1.755

*Toti factorii de impact pentru articole corespund anului 2019 (12.01.2021)

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE
LA CONCURS
–SUSȚINEREA TEZEI DE ABILITARE –**

3. Factor de impact cumulat (FIC)

Articole publicate in calitate de autor principal			
Nr. Crt	Articol	FI	FIC
1	<i>Cristina Modroga</i> n, Simona Căprărescu, Annette Madelene Dăncilă, Oanamari Daniela Orbuleț, Eugeniu Vasile and Violeta Purcar, Mixed Oxide Layered Double Hydroxide Materials: Synthesis, Characterization and Efficient Application for Mn²⁺ Removal from Synthetic Wastewater , WOS: 000581705000001 , <i>Materials</i> 2020, 13(18),4089; https://doi.org/10.3390/ma13184089	3.057	3.057
2	<i>Modroga</i> n, C., Pandele, A.M., Bobirică, C., Dobrotă, D., Dăncilă, A.M., Gârleanu, G., Orbuleț, O.D., Borda, C., Gârleanu, D., Orbeci, C., Synthesis, characterization and sorption capacity examination for a novel hydrogel composite based on gellan gum and graphene oxide (GG/GO) , <i>Polymers</i> , Open AccessVolume 12, Issue 5, 1 May 2020, WOS: 000541431100187	3.426	3.426
3	Dăncilă, A.M., Căprărescu, S., Bobirică, C., Purcar, V., Gârleanu, G., Vasile, E., <i>Modroga</i> n, C., Borda, C., Dobrotă, D., Optimization of the technological parameters for obtaining Zn-Ti Based Composites to increase the performance of H₂S removal from syngas , <i>Processes</i> , Open AccessVolume 8, Issue 5, 1 May 2020, WOS: 000541752600004	2.973	2.973
4	Irina Pincovschi, <i>Cristina Modroga</i> n, Absorption of sulfur dioxide in water with high salinity , <i>Revista de chimie</i> , REV.CHIM.(Bucharest)♦70♦ No. 6, 2019, 1908-1910, WOS: 000475860100004	1,755	1,755
5	S. Caprarescu, <i>C. Modroga</i> n, V. Purcar, A. M. Dancila, I. Fierascu, Study of corrosion efficiency of mild steel using commercial liquid additives for fish in natural water , <i>Revista de Chimie (Bucharest)</i> , 70 (4), 2019, 1140-1143 WOS: 000469387200007	1,755	1,755
6	Orbuleț, O.D., <i>Modroga</i> n, C., Orbeci, C., Dancilă, M.A., Bobirică, C., Bobirică, L., Vasile, E., Influence of Sulfonation of Inert Macroporous and Macronet Resins on the SO₂ Adsorption Capacity , <i>Water, air and soil pollution</i> , 229, 12, 2018, DOI: 10.1007/s11270-018-4041-5, WOS:000451653000001 ; WOS: 000451653000001	1.900	1.900
7	Irina Pincovschi, <i>Cristina Modroga</i> n, The Determination of Mass Transfer Characteristics of a Column for Sulphur Dioxide Adsorption in 13 X Zeolite Working in Unsteady-State Regime , <i>REV.CHIM. (Bucharest)</i> , 69, 9, 2018, pp. 2578-2580, WOS: 000449628400058	1.755	1.755
8	Irina Pincovschi, Neacsu Nicoleta, <i>Cristina Modroga</i> n The adsorption of lead, copper, chrome and nikel ions from waste waters in agricultural argilaceous soils , <i>REV. CHIM. (Bucharest)</i> , 68, 2017 pp. 635-638, WOS: 000400732400001	1.755	1.755
9	Irina Pincovschi, Neacsu Nicoleta, <i>Cristina Modroga</i> n, The adsorption of cadmium and zinc ions from waste waters in agricultural argilaceous	1.755	1.755

	soils , REV. CHIM. (Bucharest), 68, 2017 pp., 527-529, WOS: 000400731900023		
10	<i>Cristina Modrojan</i> , Irina Pincovski, Depollution Acid Waste Waters Containing Cadmium and Zinc Ions Using as Extractant Tri-n-octyl-phosphine Oxide , REV. CHIM. (Bucharest), 67, No. 4, 2016, pp. 645-648, WOS: 000376549200011	1.755	1.755
11	Cristina Orbeci, <i>Cristina Modrojan</i> , Annette Madelene Dancila, Degradation of pharmaceutical effluents by photo-assisted techniques , REV. CHIM. (Bucharest), 67, No.1, 2016, p. 166-170, WOS: 000369524300037	1.755	1.755
12	Gabriela Andrei, <i>Cristina Modrojan</i> , Frumuzache Barca, An insight into romanian schists and their use , U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 4, 2015, p. 147-160, WOS: 000417047800013	0.00	0.00
13	Dumitru Dinca, Alexandra Raluca Miron, <i>Cristina Modrojan</i> , “Recovery of organic waste with cobustion capacity” , UPB, Sci.Bull., Series B, vol.77, Iss.1, p.120-128, 2015, WOS: 000417043900011	0.00	0.00
14	<i>Cristina Modrojan</i> , Alexandra Raluca Miron, Oanamari Daniela Orbulet, Cristina Costache, Giani Apostol, Ion exchange processes on weak acid resins for wastewater containing cooper ions treatment , Environmental Engineering and Management Journal February 2015, Vol.14, No. 2, 449-454, WOS: 000325283100011	0.00	0.00
15	<i>Cristina Modrojan</i> , Alexandra Raluca Miron, Irina Pincovski, Cristina Costache, Firas Hashim Kamar, Zinc, cooper and cadmium solvent extraction at equilibrium , REV. CHIM. (Bucharest), 66, No.9, 2015, pp. 1257-1260, WOS: 000363359700001	1.755	1.755
16	Cristina Orbeci, Luoana Florentina Pascu, <i>Cristina Modrojan</i> , Degradation of organic compounds from industrial pharmaceutical effluent through advanced oxidation processes , REV. CHIM. (Bucharest), 66, No. 4, 2015, pp. 482-486, WOS: 000354914500009	1.755	1.755
17	<i>Cristina Modrojan</i> , Oanamari Daniela Orbulet, Alexandra Raluca Miron, Nitrate Removal from Water using Exchange Resins , 65, 12, 2014, 1502- 1506, Rev. Chim. (Bucharest), 65, 12, 2014, 1502-1506, (FI = 0.81), WOS:000345946400022	1.755	1.755
18	<i>Cristina Modrojan</i> , Irina Pincovski, Depollution of Acid Waste Waters Containing Zinc Ions Using Liquid - Liquid Extraction , REV. CHIM. (Bucharest) 65, 11, 2014, 1253 – 1255, WOS: 000345946300001	1.755	1.755
19	<i>Cristina Modrojan</i> , Irina Pincovski, Sanda Budea, Depollution of Acid Waste Waters Containing Cadmium Ions Using Liquid-Liquid Extraction , Rev. Chim. (Bucharest) 65, 10, 2014, 1235-1237, WOS: 000344719500024	1.755	1.755
20	Irina Pincovski, <i>Cristina Modrojan</i> , Chromatographic Method for Determination of the Number of Mass Transfer Units in Adsorption Columns in Unsteady-State Conditions , Rev. Chim. (Bucharest) 65, 10, 2014, 876-879, WOS: 000340867000002	1.755	1.755
21	<i>Cristina Modrojan</i> , Dumitru Giani Apostol, Oanamari Daniela Butucea, Alexandra Raluca Miron, Cristina Costache, Redha Kouachi, Kinetic study of hexavalent chromium removal, from wastewaters by ion exchange , Environmental Engineering and Management Journal, May 2013, Vol.12, No. 5, p. 929-935, WOS: 000325283100011	0.00	0.00

22	<i>Cristina Modroga</i> , Oanamari Daniela Orbuleț, Alexandra Raluca Miron, Dumitru Apostol, „ Kinetic Research Regarding the Nutrient Retention in the Soil Using the Neural Networks ”, REV. CHIM. (Bucharest) 62 Nr.3 pag. 272-277, 2011, WOS: 000289814300004	1.755	1.755
23	<i>Cristina Modroga</i> , Ecaterina Diaconu, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, “ Forecasting study for nitrate ion removal using reactive barriers ”, REV. CHIM. (Bucharest), 61,6, pag. 580-584, 2010, WOS: 000279757800014	1.755	1.755
TOTAL FIC autor principal: 37.681			
Articole publicate in calitate de co-autor:			
1	Căprărescu, S., Zgârian, R.G., Tihan, G.T., Purcar, V., Totu, E.E., Modroga, C., Chiriac, A.-L., Nicolae, C.A., Biopolymeric membrane enriched with chitosan and silver for metallic ions removal , Polymers, Open Access Volume 12, Issue 8, August 2020, Article number 1792; WOS: 000567278500001	3.426	0.428
2	Simona CAPRARESCU, Violeta PURCAR, <i>Cristina MODROGAN</i> , Commercial aqueous additives used as eco-friendly corrosion inhibitors for carbon steel in natural seawater , Rev. Roum. Chim., 2020, 65(1), 77-82 DOI:10.33224/rch.2020.65.1.08, WOS: 000548815700008	0.381	0.127
3	Ion, I., Ivan, G.R., Senin, R.M., Doncea, S.M., Capra, L., <i>Modroga, C.</i> , Oprea, O., Stinga, G., Orbuleț, O., Ion, A.C. Adsorption of triclocarban (TCC) onto fullerene C60 in simulated environmental aqueous conditions , Separation Science and Technology (Philadelphia), Volume 54, Issue 17, 22 November 2019, Pages 2759-2772, WOS: 000488967200001	1.718	0.1718
4	S. Caprarescu, D. Ion-Ebrasu, A. Soare, V. Purcar, A.-L. Radu, A. Sarbu, M. (Neagu) Pascu, <i>C. Modroga</i> , A. M. Dancila, C. Deleanu, Removal of Nickel Ions from Synthetic Wastewater Using Copolymers/Natural Extract Blend Membranes , Romanian Journal of Physics 64 , 821 (2019) WOS: 000501555500012	1.197	0.1197
5	Oanamari Daniela Orbuleț, Irina Pincovschi, <i>Cristina Modroga</i> , Adsorption of Sulfur Dioxide from Water Solutions Using Hypercrosslinked Polymers , REV. CHIM. (Bucharest), 67, No. 5, 2016, pp. 829-832, WOS: 000378158100002	1.755	0.585
6	Petcu Cristiana, Purcar Violeta, Radu Anita-Laura, Ianchis Raluca, Elvira Alexandescu, Sarbu Andrei, Ion-Ebrasu Daniela, Miron Alexandra Raluca, <i>Modroga Cristina</i> , Ciobotaru Alina Ioana, Removal of zinc ions from model wastewater system using bicopolymer membranes with fumed silica , Journal of Water Process Engineering 8 (2015) 1–10, (FI = 3.370) WOS: 000431388700013	3.456	0.3456
7	Nicoleta Neacșu, Irina Pincovschi, <i>Cristina Modroga</i> , Depollution of acid waste waters containing arsenic ions using liquid-liquid extraction , U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 2, 2015 ISSN 1454 – 2331, (FI = 0.41) WOS: 000417044700009	0.00	0.00
8	Simona Caprarescu, Anita-Laura Radu, Violeta Purcar, Raluca Ianchis, Andrei Sarbu, Marius Ghiurea, Cristian Nicolae, <i>Cristina Modroga</i> , Danut-Ionel Vaireanu, Alain Périchaud, Daniela-Ion Ebrasu, Adsorbents/ion exchangers-PVA blend membranes: preparation,	6.182	0.6182

	characterization and performance for the removal of Zn²⁺ by electrodialysis , Applied Surface Science 329 (2015) pp. 65–75, WOS: 000349616500009		
9	Daniela – Elena Pascu, <i>Cristina Modrojan</i> , Alexandra Raluca Miron, Paul Constantin Albu, Daniela Dumitra Clej, Mihaela Pascu (Neagu), Simona Caprarescu, Use of Mathematical Modelling in Water and Wastewater Area , REV.CHIM.(Bucharest), 66, No.12, 2015, pp. 1950-1955, WOS: 000368437100007	1.755	0.250
10	Alexandra Raluca Miron, <i>Cristina Modrojan</i> , Oanamari Daniela Orbuleț, „ Studies and Research Regarding Some Pollutants Removal Using Electro-coagulation Technique ”, REV. CHIM. (Bucharest), 62, nr.2, 2011, pg.163-167, WOS: 000288838800009	1.755	0.585
11	Alexandra Raluca Miron, <i>Cristina Modrojan</i> , Oanamari Daniela Orbuleț “ Evaluation of Electro Coagulation Process Performances for Decolorization of Alizarin Saphirol Containing Solution ”, REV. CHIM. (Bucharest), 61, Nr.7, pg 646-650, 2010, WOS: 000281217000008	1.755	0.585
TOTAL FIC co-autor: 3.8153			
TOTAL FIC autor principal, co-autor: 41.4963			

*Toti factorii de impact pentru articolele corespund anului 2019 (12.01.2021)

**ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE
LA CONCURS
– SUSTINEREA TEZEI DE ABILITARE –
4. Număr total de citări din baza SCOPUS (NC)**

Lista a fost realizată în conformitate cu prevederile Comisiei CNATDCU nr. 18 și publicate în MO, I 890 bis/27.12.2012. Au fost utilizate doar citările indicate de baza de date Scopus. Au fost excluse autocitările.

Lucrare citata/Datele lucrării ISI in care s-a facut citarea (extrase din baza de date Scopus)	
Lucrarea 1. <i>Cristina Modroga</i> , Irina Pincovschi, Depollution of Acid Waste Waters Containing Zinc Ions Using Liquid - liquid Extraction , REV. CHIM. (Bucharest) 65, 11, 2014, 1253 – 1255	
1.	Simonescu, C.M., Tatus, A., Tardei, C., Patroi, D., Dragnea, M., Culita, D.C., Patescu, R.-E., Busuioc, L.T., Melinte, I. Nano and micro-hydroxyapatite particles for lead removal from wastewater , Revista de Chimie, Volume 66, Issue 5, 1 May 2015, Pages 732-742
2.	Dumitru Giani Apostol, Cristina Costache, Szabolcs Lany, Kinetic Study of Zinc Retention Onto a River Sediment , REV.CHIM.(Bucharest), 67, No. 11, 2016, 2156-2163
Lucrarea 2. Simona Caprarescu, Anita-Laura Radu, Violeta Purcar, Raluca Ianchis, Andrei Sarbu, Marius Ghiurea, Cristian Nicolae, <i>Cristina Modroga</i> , Danut-Ionel Vaireanu, Alain Périchaud, Daniela-Ion Ebrasu, Adsorbents/ion exchangers-PVA blend membranes: preparation, characterization and performance for the removal of Zn²⁺ by electrodialysis , Applied Surface Science 329 (2015) 65–75	
3.	Godino-Salido, M.L., Santiago-Medina, A., López-Garzón, R., Gutiérrez-Valero, M.D., Arranz-Mascarós, P., López de la Torre, M.D., Domingo-García, M., López-Garzón, F.J., Preparation and characterization of trihydroxamic acid functionalized carbon materials for the removal of Cu(II) ions from aqueous solution , Applied Surface Science, Volume 387, 30 November 2016, Pages 128-138
4.	Zhao, D., Yu, Y., Chen, J.P., Zirconium/polyvinyl alcohol modified flat-sheet polyvinylidene fluoride membrane for decontamination of arsenic: Material design and optimization, study of mechanisms, and application prospects , Chemosphere, Volume 155, 1 July 2016, Pages 630-639
5.	Bensaadi, S., Arous, O., Kerdjoudj, H., Amara, M., Evaluating molecular weight of PVP on characteristics of CTA membrane dialysis , Jurnal of Environmental Chemical Engineering Volume 4, Issue 2, 1 June 2016, Pages 1545-1554
6.	Sandu, T., Sarbu, A., Damian, C.M., Patroi, D., Iordache, T.V., Budinova, T., Tsyntsarski, B., FerhatYardim, M., Sirkecioglu, A., Functionalized bicomponent polymer membranes as supports for covalent immobilization of enzymes , Reactive and Functional Polymers Volume 96, 1 November 2015, Pages 5-13
7.	Liu, N., Kong, Q., Zhu, H., Cao, X., Wang, J., He, H., Wang, S., A method of using electrocoagulation-flotation technology for treating zinc-containing simulated wastewater , Fresenius Environmental Bulletin, Volume 24, Issue 11C, 2015, Pages 4179-4183
8.	Dumitru Giani Apostol, Cristina Costache, Szabolcs Lany, Kinetic Study of Zinc Retention Onto a River Sediment , REV.CHIM.(Bucharest), 67, No. 11, 2016, p. 2156-2163
9.	Li, Y., Li, M., Zhou, S., (...), Zhang, Q., Yang, D., Enhancement of hydroxide conductivity by incorporating nanofiber-like palygorskite into quaternized polysulfone as anion exchange membranes , Applied Clay Science 195,105702, 2020

10.	Barros, K.S., Martí-Calatayud, M.C., Pérez-Herranz, V., Espinosa, D.C.R., A three-stage chemical cleaning of ion-exchange membranes used in the treatment by electrodialysis of wastewaters generated in brass electroplating industries , Desalination, 492,114628, 2020
11.	Caprarescu, S., Miron, A.R., Purcar, V., (...), Atanase, L.-I., Ghiurea, M., Efficient removal of Indigo Carmine dye by a separation process , Water Science and Technology, 74(10), pp. 2462-2473, 2016
12.	Fu, H., Ding, X., Ren, C., (...), Li, W., Yang, H., Preparation and characterization of magnetic Nanoparticles/SiO₂ porous composite xerogels , Kuei Suan Jen Hsueh Pao/Journal of the Chinese Ceramic Society 44(10), pp. 1522-1531, 2016
13.	Siekierski, M., Mroczkowska-Szerszeń, M., Letmanowski, R., (...), Cicha-Szot, R., Dudek, M., Ionic transport properties of P₂O₅-SiO₂ glassy protonic composites doped with polymer and inorganic titanium-based fillers , Materials 13(13),3004, 2020
14.	Gao, F., Du, X., Hao, X., (...), Guan, G., Tang, K., A novel electrical double-layer ion transport carbon-based membrane with 3D porous structure: High permselectivity for dilute zinc ion separation , Chemical Engineering Journal 380,122413, 2020
15.	Ion-Ebrasu, D., Pollet, B.G., Spinu-Zaulet, A., (...), Varlam, M., Caprarescu, S., Graphene modified fluorinated cation-exchange membranes for proton exchange membrane water electrolysis , International Journal of Hydrogen Energy, 44(21), pp. 10190-10196, 2019
16.	Liu, Y., Yang, S., Chen, Y., (...), Sotto, A., Shen, J., Preparation of water-based anion-exchange membrane from PVA for anti-fouling in the electrodialysis process , Journal of Membrane Science 570-571, pp. 130-138, 2019
17.	Bıyıkoglu, M., Çiftçi, H., Adsorption of Ag(I) ions from wastewaters using poly(2-aminothiazole): kinetic and isotherm studies , Polymer Bulletin, 2019
18.	Tang, S., Qiu, Y., Removal of Zn (II) by complexation-ultrafiltration using rotating disk membrane and the shear stability of PAA-Zn complex , Korean Journal of Chemical Engineering 35(10), pp. 2078-2085, 2018
19.	Genceli, E.A., Sengur-Tasdemir, R., Urper, G.M., (...), Sarac, A.S., Koyuncu, I., Effects of carboxylated multi-walled carbon nanotubes having different outer diameters on hollow fiber ultrafiltration membrane fabrication and characterization by electrochemical impedance spectroscopy , Polymer Bulletin 75(6), pp. 2431-2457, 2018
20.	Daryaei, A., Jang, E.-S., Roy Choudhury, S., (...), Riffle, J.S., McGrath, J.E., Structure-property relationships of crosslinked disulfonated poly(arylene ether sulfone) membranes for desalination of water , Polymer 132, pp. 286-293, 2017
21.	Scarazzato, T., Panossian, Z., Tenório, J.A.S., Pérez-Herranz, V., Espinosa, D.C.R., A review of cleaner production in electroplating industries using electrodialysis , Journal of Cleaner Production 168, pp. 1590-1602, 2017
22.	Lin, S.W., Corrales-López, K.A., Perez-Sicairos, S., Félix-Navarro, R.M., Preparation, characterization and application of PS/SPEES-PES UF membranes for removal of ppm Cd²⁺ from aqueous media , Polymer Bulletin 74(11), pp. 4729-4743, 2017
23.	Caprarescu, S., Ianchis, R., Radu, A.-L., (...), Atanase, L.-I., Donescu, D., Synthesis, characterization and efficiency of new organically modified montmorillonite polyethersulfone membranes for removal of zinc ions from wastewaters , Applied Clay Science 137, pp. 135-142, 2017

24.	Nemati, M., Hosseini, S.M., Shabanian, M., Novel electrodialysis cation exchange membrane prepared by 2-acrylamido-2-methylpropane sulfonic acid; heavy metal ions removal , Journal of Hazardous Materials 337, pp. 90-104, 2017
25.	Zhang, H., Ding, R., Zhang, Y., (...), Wang, J., Liu, J., Stably coating loose and electronegative thin layer on anion exchange membrane for efficient and selective monovalent anion transfer , Desalination 410, pp. 55-65, 2017
26.	Fu, H., Ding, X., Ren, C., (...), Wu, H., Yang, H., Preparation of magnetic porous NiFe₂O₄/SiO₂ composite xerogels for potential application in adsorption of Ce(IV) ions from aqueous , RSC Advances 7(27), pp. 16513-16523, 2017
Lucrarea 3. Modrojan, C., Pincovski, I., Budea, S., Depollution of acid waste waters containing cadmium ions using liquid-liquid extraction , Revista de Chimie, Volume 65, Issue 10, 1 October 2014, Pages 1235-1237	
27.	Yin, Q., Zhu, Y., Ju, S., Liao, W., Yang, Y., Rapid determination of copper and lead in Panaxnoto ginseng by magnetic solid-phase extraction and flame atomic absorption spectrometry , Research on Chemical Intermediates, Volume 42, Issue 5, 1 May 2016, Pages 4985-4998
28.	Ju, S., Yu, J., Ma, Y., Yang, Y., Liu, M., Rapid Determination of Cadmium and Lead in Maca (Lepidium meyenii) by Magnetic Solid-Phase Extraction and Flame Atomic Absorption Spectrometry , Analytical Letters, Volume 48, Issue 16, 2 November 2015, Pages 2566-2580
29.	Simonescu, C.M., Tatrus, A., Tardei, C., Patroi, D., Dragne, M., Culita, D.C., Patescu, R.-E., Busuioc, L.T., Melinte, I., Nano and micro-hydroxyapatite particles for lead removal from wastewater , Revista de Chimie, Volume 66, Issue 5, 1 May 2015, Pages 732-742
Lucrarea 4 Cristina Modrojan, Dumitru Giani Apostol, Oanamari Daniela Butucea, Alexandra Raluca Miron, Cristina Costache, Redha Kouachi, Kinetic study of hexavalent chromium removal, from wastewaters by ion exchange , Environmental Engineering and Management Journal, May 2013, Vol.12, No. 5, 929-935	
30.	Pascu, D.E., Pascu, M., Segarceanu, M., Melinte, C.E., Miron, A.R., A study regarding aluminium adsorption kinetics from drinking water on two membranes , Revista de Chimie, Volume 67, Issue 7, July 2016, Pages 1239-1243
31.	Chaabna, I., Boukhalfa, C., Removal of chromate by amberlite A21: Kinetics and equilibrium studies, Desalination and Water Treatment 63, pp. 152-157, 2017
32.	Matei, E., Predescu, C., Badanoiu, A., Predescu, A., Ficai, D., Application of magnetite nanoparticles as adsorbent for Cr, Cd, Ni and Cu from aqueous solutions , Environmental Engineering and Management Journal, Volume 14, Issue 5, 2015, Pages 1001-1010
33.	El-Moselhy, M.M., Hakami, O.M., Selective removal of chromate using hybrid anionexchanger , Desalination and Water Treatment, Volume 56, Issue 11, 11 December 2015, Pages 2917-2924
34.	Dumitru Giani Apostol, Cristina Costache, Szabolcs Lany, Kinetic Study of Zinc Retention Onto a River Sediment , REV.CHIM.(Bucharest), 67, No. 11, 2016, 2156-2163
35.	Predescu, A., Matei, E., Predescu, A., (...), Sohaciu, M., Predescu, C., Removal of hexavalent chromium from waters by means of a TiO ₂ -Fe ₃ O ₄ nanocomposite, Environmental Engineering and Management Journal 15(5), pp. 989-994, 2016
36.	Alcaraz, L., García-Díaz, I., Alguacil, F.J., López, F.A., Removal of copper ions from wastewater by adsorption onto a green adsorbent from winemaking wastes , BioResources, 15(1), pp. 1112-1133, 2020

37.	Covaliu, C.I., Matei, E., Georgescu, G., Mălăeru, T., Biriş, S.Ş., Evaluation of powdered activated carbon performance for wastewater treatment containing organic (C_6H_6 and $C_6H_5-CH_3$) and inorganic (Pb^{+2} and Zn^{+2}) pollutants, Environmental Engineering and Management Journal, 15(5), pp. 1003-1008, 2016
Lucrarea 5 Cristina Modroga, Oanamari Daniela Orbuleţ, Alexandra Raluca Miron, Dumitru Apostol, Kinetic Research Regarding the Nutrient Retention in the Soil Using the Neural Networks , REV. CHIM. (Bucharest) 62 Nr.3 pag. 272-277, 2011	
38.	Anghel, C.I., Cormos, A.-M., Surrogate-based analysis with application to prediction and optimisation problems , Revista de Chimie, Volume 63, Issue 12, December 2012, Pages 1278-1285
39.	Toboc, A.A., Lavric, V., Artificial neural network modelling of ultrasound and microwave extraction of bioactive constituents from medicinal plants , Revista de Chimie, Volume 63, Issue 7, July 2012, Pages 743-748
Lucrarea 6 Alexandra Raluca Miron, Cristina Modroga, Oanamari Daniela Orbuleţ, Studies and Research Regarding Some Pollutants Removal Using Electro-coagulation Technique , REV. CHIM. (Bucharest), 62, nr.2, 2011, pg.163-167	
40.	Miron, A.R., Chivu, A.-M.A., Rikabi, A.A.K.K., Albu, P.C., Pharmaceutical industry wastewater treatment through electrocoagulation , Revista de Chimie, Volume 65, Issue 12, 1 December 2014, Pages 1399-1406
41.	Balaes, T., Mangalagiu, I.I., Tanase, C., Lignicolous macromycetes: Potential candidates for bioremediation of synthetic dyes , Revista de Chimie, Volume 64, Issue 9, September 2013, Pages 930-935
Lucrarea 7 Diaconu, E., Orbuleţ, O.D., Miron, A.R., Modroga, C., Forecasting the sorption of phosphates in soil with artificial neural networks , UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Volume 72, Issue 3, 2010, Pages 175-182	
42.	Aghajani, M., Jalalian, A., Besalatpour, A.A., Soil Particulate Organic Matter (POM) Prediction in a Mountainous Watershed using Artificial Neural Networks , Communications in Soil Science and Plant Analysis, Volume 46, Issue 8, 28 April 2015, Pages 925-938
43.	Mahmoud, A.S., Mostafa, M.K., Nasr, M., Regression model, artificial intelligence, and cost estimation for phosphate adsorption using encapsulated nanoscale zero-valent iron , Separation Science and Technology (Philadelphia), 54(1), pp. 13-26, 2019
44.	Baligh, P., Honarjoo, N., Totonchi, A., Jalalian, A., Predicting Soil Particulate Organic Matter Using Artificial Neural Network with Wavelet Function , Communications in Soil Science and Plant Analysis, 2020
Lucrarea 8 Miron, A.R., Modroga, C., Orbuleţ, O.D., Evaluation of electro coagulation process performances for decolorization of alizarin saphirol containing solution , Revista de Chimie, Volume 61, Issue 7, 2010, Pages 646-650	
45.	Rikabi, A.A.K.K., Cuciureanu, A., Chelu, M., Miron, A.R., Orbeci, C., Popa, A.G., Craciun, M.E., Proteins ultrafiltration using polysulfone-polyaniline and polysulfone-magnetite nanoparticles composite membranes , Revista de Chimie, Volume 66, Issue 8, 1 August 2015,

	Pages 1093-1099
46.	Miron, A.R., Chivu, A.-M.A., Rikabi, A.A.K.K., Albu, P.C., Pharmaceutical industry wastewater treatment through electrocoagulation , Revista de Chimie, Volume 65, Issue 12, 1 December 2014, Pages 1399-1406
47.	Rikabi, A.A.K.K., Chelu, M.B., Harabor, I., (...), Segarceanu, M., Nechifor, G., Iono-molecular separation with composite membranes: I. Preparation and characterization of membranes with polysulfone matrix , Revista de Chimie 67(9), pp. 1658-1665, 2016
Lucrarea 9 Cristina Modrojan, Ecaterina Diaconu, Oanamari Daniela Orbulet, Alexandra Raluca Miron, Forecasting study for nitrate ion removal using reactive barriers , REV. CHIM. (Bucharest), 61, 6, 2010, pages. 580-584	
48.	Cirtina, D., Capatina, C., Simonescu, C.M., Assessment of groundwater quality in areas affected by industrial activities in Gorj county , Revista de Chimie, Volume 67, Issue 3, March 2016, Pages 538-542
49.	Panaiteescu, C., Jinescu, C., Mares, A.M., Study on ethylenediamine removal from textile industry wastewater , Revista de Chimie, Volume 67, Issue 5, 2016, Pages 925-928
50.	Haghibin, M., Sharafati, A., Dixon, B., Kumar, V., Application of Soft Computing Models for Simulating Nitrate Contamination in Groundwater: Comprehensive Review, Assessment and Future Opportunities , Archives of Computational Methods in Engineering, 2020
51.	Santisukksaem, U., Olawuyi, F., Oye, P., Das, D.B., Artificial Neural Network (ANN) for Evaluating Permeability Decline in Permeable Reactive Barrier (PRB) , Environmental Processes, Volume 2, Issue 2, 1 June 2015, Pages 291-307
52.	Vasilache, V., Filote, C., Cretu, M.A., Sandu, I., Coisin, V., Vasilache, T., Maxim, C., Monitoring of groundwater quality in some vulnerable areas in botoșani county for nitrates and nitrites based pollutants , Environmental Engineering and Management Journal, Volume 11, Issue 2, February 2012, Pages 471-479
53.	González, N., Simarro, R., Molina, M.C., Bautista, L.F., Delgado, L., Villa, J.A., Effect of surfactants on PAH biodegradation by a bacterial consortium and on the dynamics of the bacterial community during the process , Bioresource Technology, Volume 102, Issue 20, October 2011, Pages 9438-9446
54.	Ghetiu, I., Stan, I.G., Panaiteescu, C., Jinescu, C., Mares, A.M., Surfactants efficiency in oil reserves exploitation , Revista de Chimie 68(2), pp. 273-278, 2017
55.	Huang, H., Bi, C., Sang, S., Miao, Y., Zhang, H., Signature of coproduced water quality for coalbed methane development , Journal of Natural Gas Science and Engineering 47, pp. 34-46, 2017
Lucrarea 10 C. Modrojan, C. Costache, and D. Orbulet, Removal of hexavalent chromium from aqueous solutions by adsorption on peach kernel and nutshell , in Proceedings of the 1st International Proficiency Testing Conference, Sinaia, Romania, October 2007	
56.	Nikagolla, C., Chandrajith, R., Weerasooriya, R., Dissanayake, C.B., Adsorption kinetics of chromium(III) removal from aqueous solutions using natural red earth , Environmental Earth Sciences, Volume 68, Issue 3, 2013, Pages 641-645
57.	Sindhu, M., Meera Sheriffa Begum, K.M., Sugashini, S., A comparative study of surface modification in carbonized rice husk by acid treatment , Desalination and Water Treatment, Volume 45, 1 July 2012, Pages 170-176
Lucrarea 11 A.R. Miron, C. Modrojan, O.D. Orbulet, C. Costache, I. Popescu, Treatment of acid blue 25 containing by electrocoagulation , U.P.B. Scientific Bulletin, Series B, vol. 72, 1, 2010, pp. 93 – 100	
58.	Giani Apostol, Redha Kouachi, Ionel Constantinescu, Optimization of coagulation-flocculation process with aluminum sulfate based on response surface methodology , U.P.B. Sci. Bull., Series B, Vol. 73, Iss. 2, 2011 ISSN 1454-2331

59.	Miron, A.R. , Dumitrescu, I., Albu, P.C., Constantin, M.A., Use of Micropan complex and Eparcyl pro bioactivators for pharmaceutical wastewaters treatment , UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Volume 77, Issue 3, 2015, Pages 175-184
60.	Sultana, S., Rafiuddin, Khan, M.Z., Shahadat, M., Development of ZnO and ZrO₂ nanoparticles: Their photocatalytic and bactericidal activity , Journal of Environmental Chemical Engineering, Volume 3, Issue 2, 1 June 2015, Pages 886-891
61.	Zaleschi, L., Teodosiu, C., Cretescu, I., Rodrigo, M.A., A comparative study of electrocoagulation and chemical coagulation processes applied for wastewater treatment, Environmental Engineering and Management Journal 11(8), pp. 1517-1525, 2012
62.	Semiz, L., Removal of reactive black 5 from wastewater by membrane filtration, Polymer Bulletin 77(6), pp. 3047-3059, 2020
Lucrarea 12 Cristina Modrogan, Alexandra Raluca Miron, Oanamari Daniela Orbulet, Cristina Costache, Giani Apostol, Ion exchange processes on weak acid resins for wastewater containing cooper ions treatment , Environmental Engineering and Management Journal February 2015, Vol.14, No. 2, p. 449-454	
63.	Matei, E., Predescu, A.M., Coman, G., Bălănescu, M., Sohaciu, M., Predescu, C., Favier, L., Niculescu, M., Magnetic nanoparticles used in environmental engineering for Pb and Zn removal , Environmental Engineering and Management Journal, Volume 15, Issue 5, May 2016, Pages 1019-1025
64.	Bansal, Manjeet; Mudhoo, Ackmez; Garg, Vinod Kumar; Singh, Diwan, Sequestration of copper (ii) from simulated wastewater using pre-treated rice husk waste biomass , Environmental Engineering & Management Journal (EEMJ) . 2016, Vol. 51 Issue 8, p 1689-1703
65.	Bulgariu, L., Bulgariu, D., Environmental applications of an ion-exchange method: Achievements, opportunities and challenges (Book Chapter), Ion Exchange: Theory and Applications, pp. 101-126, 2017
66.	Inglezakis, V.J., Fyrrillas, M.M., Park, J., Variable diffusivity homogeneous surface diffusion model and analysis of merits and fallacies of simplified adsorption kinetics equations , Journal of Hazardous Materials 367, pp. 224-245, 2019
67.	Fito, J., Tefera, N., Van Hulle, S.W.H., Sugarcane biorefineries wastewater: bioremediation technologies for environmental sustainability , Chemical and Biological Technologies in Agriculture 6(1),6, 2019
68.	Alcaraz, L., García-Díaz, I., Alguacil, F.J., López, F.A., Removal of copper ions from wastewater by adsorption onto a green adsorbent from winemaking wastes , BioResources 15(1), pp. 1112-1133, 2020
69.	Hussain, I., Lee, J.M., Iqbal, S., (...), Lee, Y.R., Shim, J.-J., Preserved crystal phase and morphology: Electrochemical influence of copper and iron co-doped cobalt oxide and its supercapacitor applications , Electrochimica Acta 340,135953, 2020
70.	Wołowicz, A., Hubicki, Z., Enhanced removal of copper(II) from acidic streams using functional resins: batch and column studies , Journal of Materials Science 55(28), pp. 13687-13715, 2020
Lucrarea 13 Cristina Modrogan, Liliana Bobirica, Constantin Bobirica, Cristina Costache, Rodica Stanescu, Removal of Chromium from Tannery Solid Waste , Proceedings of the First International Conference on Environmental Research and Assessment, Bucharest, Romania, March, 23-27, 2003, pages 145-151	

71.	Parga, J.R., Cocke, D.L., Valenzuela, J.L., Mehmet, K., Applications and characterization of electrocoagulation: Pollutant separation and degradation of heavy metals , Journal of Rare Earths, Volume 23, Issue SUPPL. 2, October 2005, Pages 1-6
72.	Parga, J.R., Cocke, D.L., Valverde, V., Gomes, J.A.G., Kesmez, M., Moreno, H., Weir, M., Mencer, D., Characterization of electrocoagulation for removal of chromium and arsenic , Chemical Engineering and Technology, Volume 28, Issue 5, May 2005, Pages 605-612
Lucrarea 14. Cristina Modrojan, Alexandra Raluca Miron, Irina Pincovski, Cristina Costache, Firas Hashim Kamar, Zinc, copper and cadmium solvent extraction at equilibrium , REV. CHIM. (Bucharest), 66, No.9, 2015, pp. 1257-1260	
73.	Dumitru Giani Apostol, Cristina Costache, Szabolcs Lany, Kinetic Study of Zinc Retention Onto a River Sediment , REV.CHIM.(Bucharest), 67, No. 11, 2016, 2156-2163
74.	Hameed, S.M., Hussain, S.A., Separation and micro amount determination of Pb (II) and Cd (II) via solvent extraction method , Research Journal of Pharmacy and Technology 12(9), pp. 4155-4160, 2019
75.	Rivas, E., Martín-Lara, M.A., Blázquez, G., (...), Pérez, A., Calero, M., Toward an efficient multi-step separation protocol to recover metallic components from waste leachates , Process Safety and Environmental Protection 135, pp. 315-322, 2020
Lucrarea 15. Cristina Orbeci, <i>Cristina Modrojan</i> , Annette Madelene Dancila, Degradation of pharmaceutical effluents by photo-assisted techniques , REV. CHIM. (Bucharest), 67, No.1, 2016, p. 166-170	
76.	Al-Qasbi, N., Soomro, M.T., Aslam, M., Rehman, A.U., Ali, S., Danish, E.Y., Ismail, I.M.I., Hameed, A., The efficacy of the ZnO:α-Fe₂O₃ composites modified carbon paste electrode for the sensitive electrochemical detection of loperamide: A detailed investigation , Journal of Electroanalytical Chemistry, Volume 783, 15 December 2016, Pages 112-124
77.	Ihos, M., Bogatu, C., Cristea, I., Manea, F., Pode, R., Custom made dimensionally stable anodes for diclofenac electrochemical degradation , Revista de Chimie, 67, Issue 8, August 2016, Pages 1462-1465
78.	Marincean, A.-D., Dorneanu, S.-A., Ilea, P., Hydrogen peroxide electrosynthesis using recycled graphite granules as 3D cathode. Comparison with other commercial materials and optimization studies , Revista de Chimie 71(3), pp. 102-115, 2020
79.	Muhulet, A., Tuncel, C., Miculescu, F., (...), Palla-Papavlu, A., Voicu, S.I., Synthesis and characterization of polysulfone-TiO₂ decorated MWCNT composite membranes by sonochemical method , Applied Physics A: Materials Science and Processing 126(3), 233, 2020
80.	Bobirică, C., Bobirică, L., Râpă, M., (...), Predescu, A.M., Orbeci, C., Photocatalytic degradation of ampicillin using PLA/TiO₂ hybrid nanofibers coated on different types of fiberglass , Water (Switzerland) 12(1),176, 2020
Lucrarea 16. Daniela – Elena Pascu, <i>Cristina Modrojan</i> , Alexandra Raluca Miron, Paul Constantin Albu, Daniela Dumitra Clej, Mihaela Pascu (Neagu), Simona Caprarescu, Use of Mathematical Modelling in Water and Wastewater Area , REV.CHIM.(Bucharest), 66, No.12, 2015, pp. 1950-1955	
81.	Ghimpușan, M., Nechifor, G., Din, I.S., Nechifor, A.C., Passeri, P., Application of hollow fibre membrane bioreactor instead of granular activated carbon filtration for treatment of wastewater from car dismantler activity , Materiale Plastice, Volume 53, Issue 4, December 2016, Pages 578-584
82.	Hung YT, Aziz HA, Ramli SF, Yeh RY, Liu LH, Huhnke CR., Chemical waste and allied products , Water Environ Res., 2016 Oct 88, (10), pp. 1374-94
Lucrarea 17. Cristina Orbeci, Luoana Florentina Pascu, <i>Cristina Modrojan</i> , Degradation of organic compounds from industrial pharmaceutical effluent through advanced oxidation processes , REV. CHIM. (Bucharest), 66, No. 4, 2015, pp. 482-486	

83.	Ihos, M., Bogatu, C., Cristea, I., Manea, F., Pode, R., Custom made dimensionally stable anodes for diclofenac electrochemical degradation , Revista de Chimie, 67, Issue 8, August 2016, Pages 1462-1465
84.	Marincean, A.-D., Dorneanu, S.-A., Ilea, P., Hydrogen peroxide electrosynthesis using recycled graphite granules as 3D cathode. Comparison with other commercial materials and optimization studies , Revista de Chimie, 71(3), pp. 102-115, 2020
Lucrarea 18. Ion, I., Ivan, G.R., Senin, R.M., Doncea, S.M., Capra, L., <i>Modroga</i> , C., Oprea, O., Stinga, G., Orbulet, O., Ion, A.C. Adsorption of triclocarban (TCC) onto fullerene C60 in simulated environmental aqueous conditions, Separation Science and Technology (Philadelphia) Volume 54, Issue 17, 22 November 2019, Pages 2759-2772	
85.	Wang, D., Tao, L., Yang, J., (...), Liu, Q., Huang, J., Understanding the interaction between triclocarban and denitrifiers , Journal of Hazardous Materials 401,123343, 2021
86.	Ion, I., Senin, R.M., Ivan, G., (...), Politowski, I., Ion, A.C., Adsorption of triclocarban on pristine and irradiated MWCNTs in aqueous solutions , Revista de Chimie 70(8), pp. 2835-2842, 2019
Lucrarea 19. S. Caprarescu, D. Ion-Ebrasu, A. Soare, V. Purcar, A.-L. Radu, A. Sarbu, M. (Neagu) Pascu, C. <i>Modroga</i> , A. M. Dancila, C. Deleanu, Removal of Nickel Ions from Synthetic Wastewater Using Copolymers/Natural Extract Blend Membranes, Romanian Journal of Physics 64 , 821 (2019)	
87.	Qureshi, F., Memon, S.Q., Khuawar, M.Y., Jahangir, T.M., Removal of Co²⁺, Cu²⁺ and Au³⁺ ions from contaminated wastewater by using new fluorescent and antibacterial polymer as sorbent , Polymer Bulletin, 2020
88.	Luangchuang, P., Chueangchayaphan, N., Sulaiman, M.A., Chueangchayaphan, W., High permittivity ceramics-filled acrylonitrile butadiene rubber composites: influence of acrylonitrile content and ceramic type , Polymer Bulletin, 2020
Lucrarea 20. Cristina <i>Modroga</i> , Oanamari Daniela Orbulet, Alexandra Raluca Miron, Nitrate Removal from Water using Exchange Resins , Revista de chimie, 65, 12, 2014, p 1502- 1506	
89.	Kang, P., Xu, S., The impact of an underground cut-off wall on nutrient dynamics in groundwater in the lower Wang River watershed, China , Isotopes in Environmental and Health Studies, 53(1), pp. 36-53, 2017
90.	Pingping, K., Peng, L., Fuqiang, W., Use of multiple isotopes to evaluate the impact of mariculture on nutrient dynamics in coastal groundwater , Environmental Science and Pollution Research, 26(12), pp. 12399-12411, 2019
Lucrarea 21. Miron Alexandra Raluca, <i>Modroga Cristina</i> , Pascu Elena, Orbulet Oanamari Daniela, Caprarescu Simona, Use of ion exchange processes on weak acid resins for nickel removal from waste waters , 15th International Multidisciplinary Scientific Geoconferences SGEM 2015, publicat în volumul conferintei: Ecology, Economics, Education and Legislation Conference Proceedings, volume 1, pp. 999-1005, ISI Proceedings	
91.	Oyewo, O.A., Agboola, O., Onyango, M.S., Popoola, P., Bobape, M.F., Current Methods for the Remediation of Acid Mine Drainage Including Continuous Removal of Metals From Wastewater and Mine Dump (Book Chapter), <i>Bio-Geotechnologies for Mine Site Rehabilitation</i> , pp. 103-114, 2018
Lucrarea 22. <i>Modroga Cristina</i> , Miron Alexandra Raluca, Orbulet Oanamari Daniela, Costache Cristina, Removal of heavy metals ions from wastewater using ion exchange , 15 th International Multidisciplinary Scientific Geoconferences SGEM 2015, publicat în volumul conferintei: Ecology, Economics, Education and Legislation Conference Proceedings, volume 1 pp. 727-734	
92.	Reig, M., Vecino, X., Hermassi, M., (...), Gibert, O., Cortina, J.L., Integration of selectrodialysis and solvent-impregnated resins for Zn(II) and Cu(II) recovery from hydrometallurgy effluents containing As(V) , Separation and Purification Technology

	229,115818, 2019
	Lucrarea 23 Miron A.R., Modroga C., Heavy metals removal from industrial wastewater by ion exchange , (2015) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1 (5) , pp. 401-408.
93.	Reig, M., Vecino, X., Hermassi, M., (...), Gibert, O., Cortina, J.L., Integration of electrodialysis and solvent-impregnated resins for Zn(II) and Cu(II) recovery from hydrometallurgy effluents containing As(V) , Separation and Purification Technology 229,115818, 2019
	Lucrarea 24. Petcu Cristiana, Purcar Violeta, Radu Anita-Laura, Ianchis Raluca, Elvira Alexandescu, Sarbu Andrei, Ion-Ebrasu Daniela, Miron Alexandra Raluca, <i>Modroga Cristina</i> , Ciobotaru Alina Ioana, Removal of zinc ions from model wastewater system using bicopolymer membranes with fumed silica , Journal of Water Process Engineering 8 (2015) 1–10
94.	Bagchi, S., Behera, M., Assessment of Heavy Metal Removal in Different Bioelectrochemical Systems: A Review , Journal of Hazardous, Toxic, and Radioactive Waste 24(3), 04020010, 2020
95.	Chi, F., Zeng, Y., Liu, C., (...), Pan, N., Ding, C., Aggregation of Silica Nanoparticles in Sol-Gel Processes to Create Optical Coatings with Controllable Ultralow Refractive Indices , ACS Applied Materials and Interfaces 12(14), pp. 16887-16895, 2020
96.	Kovacova, Z., Study of zinc removal from water solutions using hornbeam wooden sawdust , IOP Conference Series: Materials Science and Engineering 566(1), 012019, 2019
97.	Abdelrahman, E.A., Tolan, D.A., Nassar, M.Y., A Tunable Template-Assisted Hydrothermal Synthesis of Hydroxysodalite Zeolite Nanoparticles Using Various Aliphatic Organic Acids for the Removal of Zinc(II) Ions from Aqueous Media , Journal of Inorganic and Organometallic Polymers and Materials 29(1), pp. 229-247, 2019
98.	da Costa, T.R., Baldi, E., Figueiró, A., (...), de Mello, J.M.M., Fiori, M.A., Fe₃O₄@C core-shell nanoparticles as adsorbent of ionic zinc: Evaluating of the adsorptive capacity , Materials Research 22, e20180847, 2019
99.	Bilal, M., Rasheed, T., Sosa-Hernández, J.E., (...), Nabeel, F., Iqbal, H.M.N., Biosorption: An interplay between marine algae and potentially toxic elements—A review , Marine Drugs 16(2), 65, 2018
100.	Scarazzato, T., Panossian, Z., Tenório, J.A.S., Pérez-Herranz, V., Espinosa, D.C.R., A review of cleaner production in electroplating industries using electrodialysis , Journal of Cleaner Production 168, pp. 1590-1602 , 2017
101.	Berbar, Y., Amara, M., Ammi-Said, A., Yuan, S., Van Der Bruggen, B., New method for silica embedding on a PES membrane surface via in situ sol gel process and immobilization in a polyamide thin film composite , Journal of Environmental Chemical Engineering 5(4), pp. 3604-3615, 2017
102.	Carolin, C.F., Kumar, P.S., Saravanan, A., Joshiba, G.J., Naushad, M., Efficient techniques for the removal of toxic heavy metals from aquatic environment: A review , Journal of Environmental Chemical Engineering 5(3), pp. 2782-2799, 2017
103.	Caprarescu, S., Ianchis, R., Radu, A.-L., (...), Atanase, L.-I., Donescu, D., Synthesis, characterization and efficiency of new organically modified montmorillonite polyethersulfone membranes for removal of zinc ions from wastewaters , Applied Clay Science 137, pp. 135-142, 2017
104.	Caprarescu, S., Purcar, V., Miron, A.R., Radu, A.L., Neagu, M.P., Preparation and characterisation of polymer membranes enhanced with medicinal plant extract , International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17(52), pp. 713-720, 2017

105.	Sharaf El-Deen, S.E.A., Moussa, S.I., Mekawy, Z.A., (...), Sadeek, S.A., Someda, H.H., Evaluation of CNTs/MnO₂ composite for adsorption of ⁶⁰Co(II), ⁶⁵Zn(II) and Cd(II) ions from aqueous solutions , Radiochimica Acta 105(1), pp. 43-55, 2017
106.	Sayedmohammadi, J., Motavassel, M., Maddahi, M.H., Nikmanesh, S., Application of nanochitosan and chitosan particles for adsorption of Zn(II) ions pollutant from aqueous solution to protect environment , Modeling Earth Systems and Environment 2(3),165, 2016
Lucrarea 25. Oanamari Daniela Orbulet, Irina Pincovski, <i>Cristina Modrojan</i> , Adsorption of Sulfur Dioxide from Water Solutions Using Hypercrosslinked Polymers , REV.CHIM.(Bucharest),67,No. 5 2016, pp. 829-832	
107.	Wang, J., Jiao, C., Li, M., (...), Wu, Q., Wang, Z., Porphyrin based porous organic polymer modified with Fe₃O₄ nanoparticles as an efficient adsorbent for the enrichment of benzoylurea insecticides , Microchimica Acta 185(1),36, 2018
Lucrarea 26. <i>Cristina Modrojan, Irina Pincovski</i> , Depolution Acid Waste Waters Containing Cadmium and Zinc Ions Using as Extractant Tri-n-octyl-phosphine Oxide , REV.CHIM.(Bucharest),67,No. 4 2016, pp. 645-648	
108.	Stefanescu, D.P., Chivu, O.R., Babis, C., Semenescu, A., Gligor, A., Research on the economic organization environmental impact , Revista de Chimie 68(3), pp. 599-601, 2017
109.	Chivu, O.R., Semenescu, A., Babis, C., (...), Petrescu, V., Apostolescu, Z., The impacts of industrial processing of oil on the fountain water quality , Revista de Chimie 67(12), pp. 2577-2583 , 2016
Lucrarea 27. Irina Pincovski, Neacsu Nicoleta, <i>Cristina Modrojan</i> The adsorption of lead, copper, chrome and nikel ions from waste waters in agricultural argillaceous soils , REV. CHIM. (Bucharest), 68, 2017 pp. 635-638	
110.	Ihos, M., Dragalina, M., Iordache, I., Neidoni, D., Fluoride removal from industrial effluents by combining precipitation and electrocoagulation processes , Revista de Chimie 70(1), pp. 304-306, 2019
111.	Hryhoriev, S., Petryshchev, A., Shyshkanova, G., (...), Petrussha, Y., Stepanov, D., A study of environmentally friendly recycling of technogenic chromium and nickel containing waste by the method of solid phase extraction , Eastern-European Journal of Enterprise Technologies 1(10 -91), pp. 44-49, 2018
112.	Vîntu, C.-R., Alecu, I.N., Chiran, A., (...), Jităreanu, A.-F., Ștefan, M., Researches on the agrotouristic offer of guest houses in Dornelor Bassin (case study) , International Journal of Conservation Science 8(3), pp. 419-430, 2017

Semnatura