

Universitatea Politehnica Timisoara

Departamentul de Chimie Aplicata si Ingineria Compusilor Anorganici si a Mediului - CAICAM

COMISIA INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE
(conform OMECTS 6560 / 20.12.2012, Anexa nr. 8)

DOSAR: SEF LUCRARI dr.ing. MUNTEAN CORNELIA-VERONICA

Centralizator standarde minimale necesare si obligatorii pentru profesor/CSI	minim	realizat
NT-numar total de articole in reviste ISI	≥ 25	42
NP-numar articole in reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	≥ 12	18
FIC* = factor de impact cumulat (suma factorilor de impact ale revistelor. Se ia in considerare ultimul factor cunoscut.)	≥16	33.55
NC = număr total de citări (din baza SCOPUS)	≥ 40	191

*In acest caz in calculul FIC se tine cont de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal si respectiv de factorul de impact împărțit la numarul de autori pentru revistele in care candidatul a publicat un articol în care nu este autor principal (daca autorul e principal atunci indicele e cel al revistei, daca nu, atunci indicele este cel al revistei impartit la numarul de autori.

** Brevetele nationale (FI=1) si internationale (FI=3) intra in calculul FIC

NT realizat =	42	NP realizat =	18
NT minim =	≥ 25	NP minim =	≥ 12

FIC realizat =	33.55
FIC minim =	≥ 16

NT-nr. Total de articole in reviste ISI	Articol publicat in revista cotata ISI	NP-numar articole in reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	Nr. total autori	Ultimul Factor de impact ISI	FIC
1	C. Caizer, Mircea Ștefănescu, Cornelia Muntean , I. Hrianca, Studies and magnetic properties of Ni-Zn ferrite obtained from the glyoxylates complex combination, Journal of Optoelectronics and Advanced Materials, 3(4), 2001, pp. 919-924		4	0.383	0.096
2	Cornelia Muntean , G. Mărginean, Aurel Iovi, Petru Negrea, Studii asupra comportamentului termic al fosfatului de cobalt-amoniu, Revista de Chimie (Bucuresti), 55(2), 2004, pp. 81-85	1	1	0.956	0.956
3	Cornelia Muntean , W. Brandl, Aurel Iovi, Petru Negrea, Studies on the Thermal Behavior of a Complex Mineral Fertilizer of Nitrophosphate Type, Thermochemica Acta, 439, 2005, pp. 21-26	1	1	1.938	1.938
4	N. Pleșu, S. Iliescu, Gheorghe Ilia, Adriana Popa, Cornelia Muntean , Rheology of Polyaniline Dispersions in Acrylic Resin, Turkish Journal of Chemistry 30, 2006, pp.155-163		5	1.098	0.220
5	Mihaela Ciopec, Aurel Iovi, Cornelia Muntean , Adina Negrea, Lavinia Lupa, Marilena Motoc, Studii privind procesul de obtinere a ingrasamintelor de tip PK cu microelementul cobalt, Revista de Chimie, nr.8, vol. 58, 2007, p. 725-728		6	0.956	0.159
6	Titus Vlase, Cornelia Muntean , Kinetics of thermal decomposition of some nitrophosphate fertilizer with micronutrients in isothermal conditions, Journal of Thermal Analysis and Calorimetry, 92(2), 2008, pp. 559-562		2	1.781	0.891

7	Angela Magda, Vasile Pode, Mircea Niculescu, Cornelia Muntean , Geza Bandur, Aurel Iovi, Studies on process of obtaining the fertilizers based on ammonium phosphates with addition of boric acid, Revista de Chimie (Bucuresti), 59(12), 2008, pp. 1340-1344		6	0.956	0.159
8	Angela Magda, Cornelia Muntean , Aurel Iovi, Marius Jurca, Lavinia Lupa, M. Simon, Vasile Pode, Studies about ammonium phosphates fertilizers with boron added as boric acid, Revista de Chimie (Bucuresti), 60(3), 2009, pp. 226-230		7	0.956	0.137
9	Mihaela Ciopec, Cornelia Muntean , Adina Negrea, Lavinia Lupa, Petru Negrea, Marinela Motoc, Corina Samuila, Synthesis and Characterization of a PK Fertilizer containing Zinc as Micronutrient, Revista de Chimie, nr.7, vol. 60, 2009, p. 678-682		7	0.956	0.137
10	Mihaela Ciopec, Cornelia Muntean , Adina Negrea, Lavinia Lupa, Petru Negrea, Paul Barvinschi, Synthesis and thermal behavior of double copper and potassium pyrophosphate, Termochimica Acta, 488, 2009, pp. 10-16	1	1	1.938	1.938
11	Adina Negrea, Lupa Lavinia, Mihaela Ciopec, Radu Lazău, Cornelia Muntean , Petru Negrea, Adsorption of As(III) ions onto iron-containing waste sludge, Adsorption Science & Technology, 28(6), pp. 467-480, 2010		6	0.633	0.106
12	Adina Negrea, Lavinia Lupa, Mihaela Ciopec, Cornelia Muntean , Radu Lazău, Marinela Motoc, Arsenic removal from Aqueous solutions using a binary mixed oxide, Revista de Chimie, 61(7), pp. 691-695, ISSN: 0034-7752, 2010		6	0.956	0.159
13	Angela Magda, Rodica Pode, Cornelia Muntean , Mihai Medeleanu, Adriana Popa, Synthesis and characterization of ammonium phosphates fertilizers with boron, Journal of the Serbian Chemical Society, 75(7), 2010, pp. 951-963		5	0.970	0.194
14	Mihaela Ciopec, Corneliu Mircea Davidescu, Adina Negrea, Cornelia Muntean , Adriana Popa, Petru Negrea, Lavinia Lupa, Equilibrium and Kinetic Studies of the Adsorption of Cr(III) ions onto Amberlite XAD8 impregnated with Di (2-ethylhexyl) phosphoric acid (DEHPA), Adsorption Science & Technology, 2011, 29(10), pp. 989-1005	1	1	0.633	0.633

15	Mihaela Ciopec, Corneliu Mircea Davidescu, Adina Negrea, Lavinia Lupa, Petru Negrea, Adriana Popa, Cornelia Muntean , Use of D2EHPA-impregnated XAD7 resin for the removal of Cd(II) and Zn(II) from aqueous solution, Environmental Engineering and Management Journal, 2011, 10(10), pp. 1597-1608		7	1.008	0.144
16	Corneliu Mircea Davidescu, Mihaela Ciopec, Adina Negrea, Adriana Popa, Lavinia Lupa, Petru Negrea, Cornelia Muntean , Marinela Motoc, Use of di-(2-ethylhexyl)phosphoric acid (DEHPA) impregnated XAD7 copolymer resin for the removal of chromium (III) from water, Revista de Chimie, vol. 62, nr. 7, 2011, pp. 712-717		8	0.956	0.120
17	Mihaela Ciopec, Corneliu Mircea Davidescu, Adina Negrea, Ion Grozav, Lavinia Lupa, Cornelia Muntean , Petru Negrea, Adriana Popa, Statistical optimization of chromium ions adsorption on DEHPA-impregnated Amberlite XAD7, Environmental Engineering & Management Journal, 2012, 11(3), pp. 525-531		8	1.008	0.126
18	Marian Bobină, Andrea Kellenberger, Jean-Pierre Millet, Cornelia Muntean , Nicolae Vaszilcsin, Corrosion resistance of carbon steel in weak acid solutions in the presence of L-histidine as corrosion inhibitor, Corrosion Science, 69, 2013, pp. 389–395		5	5.154	1.031
19	M. Bobină, Nicolae Vaszilcsin, Cornelia Muntean , Influence of Tryptophan on the corrosion Process of Carbon Steel in Aqueous Weak Acid Solutions, Revista de Chimie (Bucharest) 64 (1), 2013, pp. 83-88		3	0.956	0.319
20	Cornelia Muntean , Marcela Stoia, P. Barvinschi, Synthesis of nanocrystalline ZnFe ₂ O ₄ and its use for the removal of Congo Red from aqueous solutions, Environmental Engineering and Management Journal, 12(5), 2013, pp. 959-967	1	1	1.008	1.008
21	Mihaela Ciopec, Corneliu Mircea Davidescu, Adina Negrea, Lavinia Lupa, Adriana Popa, Cornelia Muntean , Radu Ardelean, Gheorghe Ilia, Synthesis, characterization and adsorption behavior of aminophosphonic grafted on poly(styrene-co-divinylbenzene) for divalent metal ions in aqueous solutions, Polymer Engineering & Science, 53(5), 2013, p.1118-1124		8	1.719	0.215

22	Adina Negrea, Cornelia Muntean , Ioana Bodnarescu, Mihaela Ciopec, Marinela Motoc, Effect of Matrix Solution on As(V) adsorption onto Iron-containing Materials, Revista de Chimie, 64(4), 2013, p. 397-406	1	1	0.956	0.956
23	Adina Negrea, Mihaela Ciopec, Corneliu Mircea Davidescu, Cornelia Muntean , Petru Negrea, Lavinia Lupa, Kinetic, equilibrium and thermodynamic studies of cesium removal from aqueous solution using Amberjet UP1400 and Amberlite IR 120 resins, Environmental Engineering & Management Journal, 12(5), 2013, p. 991-998	1	1	1.008	1.008
24	R.O. Pop, M. Ilici, M. Andoni, V.N. Bercean, Cornelia Muntean , M.M. Venter, I. Julean, Theoretical considerations regarding the thione-thiol tautomerism in 2-(5-mercapto-1, 3, 4-thiadiazol-2-ylthio) acetic acid, Acta Chimica Slovenica, 62(1), 2015, pp. 8-14		7	1.167	0.167
25	Marcela Stoia, Cornelia Muntean , Bogdan Militaru, Fine MnFe ₂ O ₄ nanoparticles for potential environmental applications, Journal of Thermal Analysis and Calorimetry, 121, 2015, pp.1003-1010		3	1.781	0.594
26	Marcela Stoia, Cornelia Muntean , Preparation, characterization and adsorption properties of MFe ₂ O ₄ (M = Ni, Co, Cu) nanopowders, Environmental Engineering and Management Journal, 14(6), 2015, pp. 1247-1260	1	1	1.008	1.008
27	Mircea Stefanescu, M. Bozdog, Cornelia Muntean , Oana Stefanescu, Titus Vlase, Synthesis and magnetic properties of Co _{1-x} Zn _x Fe ₂ O ₄ (x=0-1) nanopowders by thermal decomposition of Co(II), Zn(II) and Fe(III) carboxylates, Journal of Magnetism and Magnetic Materials, 393, 2015, pp. 92–98	1	1	2.357	2.357
28	Oana Stefanescu, Corneliu Mircea Davidescu, Cornelia Muntean, Preparation and characterization of cobalt oxides nanoparticles starting from Co(II) carboxylate precursors, Journal of Optoelectronics and Advanced Materials, 17(7-8), 2015, pp. 991-996		3	0.383	0.128
29	Alexandra Carmen Grigorie, Cornelia Muntean , Mircea Stefanescu, Obtaining of gamma-Fe ₂ O ₃ nanoparticles by thermal decomposition of polyethyleneglycol-iron nitrate mixtures, Thermochimica Acta 621, 2015, pp. 61-67	1	1	1.938	1.938

30	Cornelia Muntean , M. Bozdog, S. Duma, Mircea Stefanescu, Study on the formation of Co _{1-x} Zn _x Fe ₂ O ₄ system using two low temperature synthesis methods, Journal of Thermal Analysis and Calorimetry (2016) 123(1), pp. 117-126	1	1	1.781	1.781
31	Mircea Niculescu, Viorel Sasca, Cornelia Muntean , Marius-Silviu Milea, Dan Rosu, Mihai-Cosmin Pascariu, Eugen Sisu, Ioan Ursoiu, Vasile Pode, Petru Budrugaec, Thermal behavior studies of the homopolynuclear coordination compound iron(III) polyoxalate, Thermochimica Acta, 2016, 623, pp. 36-42		10	1.938	0.194
32	Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, Mihaela Ciopec, Monica Butnariu, Catalin Ianasi, Cornelia Muntean , Petru Negrea, Lanthanum separation from aqueous solutions using magnesium silicate functionalized with tetrabutylammonium dihydrogen phosphate, Journal of Chemical & Engineering Data, 61, pp. 535-542, 2016	1	1	1.835	1.835
33	Gabor Galbacs, Hajnalka Szokolai, Attila Kormanyos, Aniko Metzinger, Levente Szekeres, Claudiu Marcu, Francisc Peter, Cornelia Muntean , Adina Negrea, Mihaela Ciopec, Attila Jancso, Cd (II) capture ability of an immobilized, fluorescent hexapeptide, Bulletin of the Chemical Society of Japan, 2016, vol. 89, pp. 243-253		11	1.372	0.125
34	Petru Negrea, Adina Negrea, Marilena Motoc, Mihaela Ciopec, Andreea Gabor, Cornelia Muntean , Influence of pH on enzymatic extract with allelopathic potential, Revista de chimie, 67(2), pp. 372-374, 2016	1	1	0.956	0.956
35	A. Wächter, Ioana Ionel, Mihai Wächter, L.A. Varga, Adina Negrea, Vasile Minzatu, Cornelia Muntean , Mihaela Ciopec, Encapsulation of municipal solid waste incineration residues into coal fly ash rock matrix, Journal of Environmental Protection and Ecology, 17(3) (2016) pp. 1037-1047		8	0.734	0.09175
36	Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, Mihaela Ciopec, Cornelia Muntean , Petru Negrea, Catalin Ianasi, Monica Butnariu, Rare earth elements removal by magnesium silicate doped with different extractants, Desalination and Water Treatment, (2017), 63, 124-134	1	1	1.272	1.272
37	Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, Mihaela Ciopec, Cornelia Muntean , Narcis Duțeanu, Sorption properties of Amberlite XAD7 functionalized with sodium β-glycerophosphate, 16th International Conference on Polymers and Organics Chemistry (POC-16), Hersonissos, Crete, Greece, 13–16 June 2016, Pure and Applied Chemistry, 88(12) (2016) pp. 1143-1154		6	2.615	0.436

38	Marcela Stoia, Cornelia Muntean , Bogdan Militaru, MnFe ₂ O ₄ nanoparticles as new catalyst for oxidative degradation of phenol by peroxydisulfate, Journal of Environmental Sciences, 53 (2017) 269-277	1	1	2.002	2.002
39	Alexandra Carmen Grigorie, Cornelia Muntean , Titus Vlase, Cosmin Locovei, Mircea Stefanescu, ZnO-SiO ₂ based nanocomposites prepared by a modified sol-gel method, Materials Chemistry and Physics, 186, 2017, pp. 399-406	1	1	2.101	2.101
40	Mircea Niculescu, Mihai-Cosmin Pascariu, Cornelia Muntean , Viorel Sasca, Lavinia Lupa, Marius-Silviu Milea, Mihail Birzescu, Thermal and spectroscopic analysis of Co(II)-Fe(III) polyglyoxylate obtained through the reaction of ethylene glycol with metal nitrates, Journal of Thermal Analysis and Calorimetry (2017), DOI: 10.1007/s10973-016-6079-1, in press.	1	1	1.781	1.781
41	Eniko Berei, Cornelia Muntean, Oana Ștefănescu, Mircea Niculescu, Mircea Ștefănescu, Preparation of CuCr ₂ O ₄ nanopowders using two different chromium sources, Journal of Thermal Analysis and Calorimetry (2017), DOI: 10.1007/s10973-017-6328-y, in press.		5	1.781	0.356
42	Alexandra Carmen Grigorie, Cornelia Muntean , Gabriela Vlase, Mircea Stefanescu, Synthesis and characterization of ZnAl ₂ O ₄ spinel from Zn(II) and Al(III) carboxylates, Journal of Thermal Analysis and Calorimetry (2017), DOI: 10.1007/s10973-017-6268-6, in press	1	1	1.781	1.781
	TOTAL	18			33.550