
**LISTA CELOR 10 LUCRĂRI REPREZENTATIVE CARE SUSȚIN CONȚINUTUL
TEZEI DE ABILITARE**

1. 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*, 2011, 62(7), p. 712-717 - (FI-0,956)
2. **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), p. 1597-1608 - (FI-1,008)
3. **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), *Absorption Science and Technology*, 2011, 29(10), p.989-1005 - (FI-0,633)
4. **Mihaela Ciopec**, Corneliu Mircea Davidescu, Adina Negrea, Ion Grozav, Lavinia Lupa, Petru Negrea, Adriana Popa, Adsorption Studies of Cr(III) ions from aqueous solution by DEHPA impregnated onto Amberlite XAD-7 Factorial design analysis, *Chemical Engineering Research and Design*, 2012, 90(10), p. 1660-1670 - (FI-2,525)
5. **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), p. 525-531- (FI-1,008)
6. **Mihaela Ciopec**, Lavinia Lupa, Adina Negrea, Corneliu Mircea Davidescu, Adriana Popa, Petru Negrea, Marilena Motoc, Dana David, Dana Kaycsa, Kinetic and thermodynamic studies regarding Cu(II) ions removal from aqueous solution by Poly(Styrene-Divinylbenzene)-Supported Aminophosphonic Acids, *Revista de Chimie*, 2012, 63(1), p. 49-53 - (FI-0,956)

7. 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*, 2013, 12(5), p. 991-998- (FI-1,008)
8. **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 and Science*, 2013, 53(5), p.1118-1124 - (FI- 1,719)
9. Corneliu Mircea Davidescu, **Mihaela Ciopec**, Adina Negrea, Adriana Popa, Lavinia Lupa, Ecaterina-Stela Drăgan, Radu Ardelean, Gheorghe Ilia, Synthesis, characterization and Ni(II) Ion separation properties of poly(styrene-co-divinylbenzene)-supported aminophosphonic acids, *Polymer Bulletin*, 2013, 70(1), p. 277-291- (FI-1,371)
10. **Mihaela Ciopec**, Corneliu Mircea Davidescu, Adina Negrea, Lupa Lavinia, Petru Negrea, Adriana Popa, Di -2-Ethylhexyl phosphoric acid immobilization with polysulfone microcapsules for Cu(II) extraction, *Chem. Bull., "Politehnica" Univ. (Timisoara)*, 56(70), 1, 2011, p. 43-46- BDI

LISTA DE LUCRĂRI perioada 2002-2017

1. TEZĂ DE DOCTORAT

MIHAELA CIOPEC, Studii privind obținerea și caracterizarea îngrășămintelor de tipul PK cu microelemente”, Universitatea Politehnica Timisoara 2007.

2. BURSA POST DOC

MIHAELA CIOPEC, Materiale functionalizate in protectia mediului, Contract de cercetare postdoctorală finanțat prin proiectul de Programe Postdoctorale “Performanța prin postdoctorat pentru integrarea în aria europeană de cercetare” (PERFORM-ERA) – ID 57649, 2010-2013.

2. CĂRȚI ȘI INDRUMĂTOARE PUBLICATE

a. Cărți de specialitate/monografii publicate în edituri naționale recunoscute CNCSIS

1. Adina Negrea, **Mihaela Ciopec**, *Protectia mediului*, Editura Politehnica, Timisoara, 2013, 324 pagini, ISBN:978-606-554-697-4.
2. Cornelia Muntean, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, *Analiză chimică și fizico-chimică cu aplicații în protecția mediului*, Editura Politehnica Timișoara, 2009, 220 pagini, ISBN: 978-973-625-973-9.

b. Cărți/capitole în cărți publicate în edituri internaționale

1. Lavinia Lupa, **Mihaela Ciopec**, Adina Negrea, Radu Lazău, *Closed Cycle Process Investigations for Arsenic Removal from waters using adsorption on iron-containing materials followed by waste immobilization in Arsenic: Sources, environmental Impact and Human Health – A Material Geology perspective*, Nova Science Publishers, 2013, ISBN: 978-1-59454.

c. Îndrumătoare de laborator

1. **Mihaela Ciopec**, Adina Negrea, *Protecția mediului. Lucrări practice*, Editura Politehnica Timișoara, 110 pagini, ISBN: 978-973-625-964-7.

3. BREVETE DE INVENȚIE

1. Adina Negrea, Ioan Lazau, Lavinia Lupa, Radu Lazau, **Mihaela Ciopec**, BREVET DE INVENTIE nr. a2011 00487/20.05.2011, OSIM, **Titlul:** *Procedeu de îndepărtare a arsenului din ape și imobilizare a deșeurilor rezultate în matrici vitroase*, Patent Romania: RO 127098-A0; RO 127098-A3
2. Marius Gheju, Rodica Pode, Ionel Balcu, Laura Cocheci, **Mihaela Ciopec**, BREVET DE INVENTIE- Nr. a2011 00437/06.05.2011, OSIM, **Titlul:** *Procedeu și instalație de îndepărtare a cromului din apele reziduale cu continut de crom hexavalent*, Patent Romania: RO127099-A0; RO127099-A3

4. ARTICOLE / STUDII PUBLICATE ÎN REVISTE**a. Articole publicate în reviste de specialitate de circulație internațională indexate ISI****2017**

1. Corneliu Mircea Davidescu, Andreea Gabor, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Marilena Motoc, Novel absorbent used for cesium removal from aqueous solutions, *Revista de chimie*, Martie, 2017, [in press](#).
2. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Ion Grozav, Petru Negrea, Narcis Duțeanu, Optimizing the Lanthanum adsorption process onto chemically modified biomaterials using factorial and response surface design, *Journal of Environmental Management*, 10.1016/j.jenvman.2017.01.046, 2017, [in press](#).
3. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Cornelia Muntean, Petru Negrea, Catalin Ianasi, Monica Butnariu, Magnesium silicate doped with environmentally friendly extractants used for rare earth elements adsorption, *Desalination and water treatment*, 63, 2017, pp. 124-134.
4. Adina Negrea, Lavinia Lupa, Mihaela Ciopec, Ioneta Dragomir, Petru Negrea, Use of zinc ash as secondary source of zinc for zinc oxide obtaining, *Environmental Engineering & Management Journal*, 2017, [in press](#).

2016

5. Lavinia Lupa, Adriana Popa, Ecaterina Stela Dragan, **Mihaela Ciopec**, Adina Negrea, Petru Negrea, Adsorption performance of the organic solid support impregnated with ionic liquid in the removal process of Tl(I) from aqueous solutions, *Process Safety and Environmental Protection*, 2016, [in press](#).
6. Lavinia Lupa, Adriana Popa, Raluca Voda, Petru Negrea, **Mihaela Ciopec**, Andreea Vasile, Strontium adsorption on ionic liquid impregnated Florisil: Fixed-bed column studies, *Separation Science and Technology*, 51(15-16), 2016, pp. 2554-2564.
7. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Monica Butnariu, Cătălin Ianăși, Cornelia Muntean, Petru Negrea, Lanthanum separation from aqueous solutions using magnesium silicate functionalised with tetrabutylammonium dihydrogen phosphate, *Journal of Chemical Engineering Data*, 2016, 61, pp. 535-542.
8. 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, *Bull. Chem. Soc. Jpn.* 2016, vol. 89, pp. 243-253.
9. Petru Negrea, Adina Negrea, Marilena Motoc, **Mihaela Ciopec**, Andreea Gabor, Cornelia Muntean, Influence of pH on enzymatic extract with *allelopathic potential*, *Revista de chimie*, 2016, 67(2), pp. 372-374.
10. Monica Butnariu, Marius Pentea, Ionut Sarac, Ionel Samfira, Adina Negrea, Marilena Motoc, **Mihaela Ciopec**, Approach for analyze stability of lutein from *Tropaeolum majus*, *Revista de chimie*, 2016, 67(3), pp. 503-506.

11. Andreea Gabor, Corneliu Mircea Davidescu, Popa Adriana, Adina Negrea, **Mihaela Ciopec**, Marinela Motoc, Lavinia Lupa, Petru Negrea, Equilibrium studies for crown ether impregnated solid support used in the removal process of Nd(III), La(III), Sr(II), Tl(I), Eu(III), *Revista de chimie*, 2016, 67(3), pp. 580-583.
12. Marius Pentea, Ionuț Sărac, Ionel Samfira, Adina Negrea, **Mihaela Ciopec**, Marinela Motoc, Andreea Gabor, Petru Negrea, Studies concerning disposal radionuclides by adsorption rabbit bone meal, *Revista de chimie*, 2016, 67(5), pp. 967-970.
13. Raluca Voda, Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Corneliu Mircea Davidescu, The development of a new efficient absorbent for the removal of methylene blue, *Separation Science and technology*, 2016, 51(15-16), pp. 1-8.
14. Andreea Gabor, Corneliu-Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Monica Butnariu, Separation of La(III) using functionalized material on fixed bed column, *Revista de chimie*, 2016, 67(11), pp. 2225-2227.
15. Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Marilena Motoc, Iosif Hulka, Ioan Sarac, Irina Petrescu, Viliana Vasileva, Monica Butnariu, Studies Regarding the Use of Ash from Pyrolysis Rubber as an Amendment to Soils Used to Cover Waste Dumps, with Phalaris Arundinacea, *Revista de chimie*, 2016, 67(11), pp. 2164-2169.
16. 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*, 2016, 17(3), pp. 1037-1047.
17. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Cornelia Muntean, Narcis Duțeanu, Sorption proprieties 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*, 2016, 2016, 88(12), pp. 1143-1154.

2015

18. Ionel Samfira, Petru Negrea, Lavinia Lupa, **Mihaela Ciopec**, Adina Negrea, Marius Pentea, Ionut Sarac, Monica Butnariu, Remediation of rare earth element pollutants by sorption process using organic natural sorbents, *International Journal of environmental research and public health*, 2015, 12, pp.11278-11287.
19. Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Lavinia Lupa, Adriana Popa, Corneliu Mircea Davidescu, Gheorghe Ilia, Separation of As^V from aqueous solutions using chelating polymers containing Fe^{III}- loaded phosphorus groups, *Open Chemistry*, 13, 2015, pp. 105-112.
20. Raluca Voda, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Corneliu Mircea Davidescu, Monica Butnariu, Nanocrystalline ferrites used as adsorbent in the treatment process of waste waters resulted from ink jet cartridges manufacturing, *Open Chemistry*, 13, 2015, pp. 743-747.
21. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Behaviour of silica and florisol as solid supports in the removal process of As(V) from aqueous solutions, *Journal of Analytical Methods in Chemistry*, 2015, pp. 1-9.
22. Iulian Zoltan Boboescu, Vasile Daniel Gherman, Paul Molnar, **Mihaela Ciopec**, Marilena Motoc, Gergely Maroti, Modeling and simulating novel biohydrogen production technology as an integrated part of a Municipal Wastewater Treatment Plant, *Revista de Chimie*, 66(4), pp. 578-583, 2015.
23. **Mihaela Ciopec**, Monica Butnariu, Adina Negrea, Ionel Samfira, Marilena Motoc, Studies concerning for immobilisation and stabilization the landfills mining, *Revista de chimie* 66(5), 2015, p. 645-653.
24. **Mihaela Ciopec**, Adriana Popa, Adina Negrea, Lavinia Lupa, Petru Negrea, Raluca Vodă, Corneliu Mircea Davidescu, Gheorghe Ilia, Comparative characteristic ss of some material polymers impregnated with ionic liquid for removal of radionuclides, *Environmental Engineering & Management Journal*, 14(6), 2015, pp. 1287-1294.
25. Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Raluca Vodă, Ionic liquids impregnated onto inorganic support used for thallium adsorption from aqueous solutions, *Separation and Purification Technology*, 2015, 14(6), pp. 75-82.
26. Mihail Wachter, Ioana Ionel, Adina Negrea, Dumitru Cebrucean, Vadile Manzatu, **Mihaela Ciopec**, Leaching investigation of coal fly ash and dry desulphurisation residues by stabilization into ash rock, *Revista de Chimie*, 66(11), 2015, pp. 1881-1884.
27. Corneliu Mircea Davidescu, Raluca Dumitru, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Arsenic Removal Through Adsorption on Cobalt Nanoferrite, *Revista de Chimie*, 2015, 66(11) pp.1742-1746.

2014

28. **Mihaela Ciopec**, Adina Negrea, Lavinia Lupa, Corneliu Mircea Davidescu, Petru Negrea, Studies regarding As(V) adsorption from underground water by Fe-XAD8-DEHPA impregnated resin. Equilibrium sorption and fixed-bed column tests, *Molecules*, 19, 2014, pp. 16082-16101.
29. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Silica impregnated with cyphos IL-101 for Cs⁺ adsorption, *Environmental Engineering & Management Journal*, 2014, vol. 13(8), pag. 2005-2013.
30. Adriana Popa, **Mihaela Ciopec**, Adina Negrea, Lavinia Lupa, Petru Negrea, Corneliu Mircea Davidescu, Gheorghe Iliu, Narcis Duteanu, Use of styrene-divinylbenzene grafted with aminoethylamine methyl groups and various ionic liquids in the removal process of thallium and strontium, *Pure Appl. Chem.*, 86(11), 2014, pp. 1741-1753.
31. Adina Negrea, Adriana Popa, **Mihaela Ciopec**, Lavinia Lupa, Petru Negrea, Corneliu Mircea Davidescu, Marilena Motoc, Vasile Mînzatu, Phosphonium grafted styrene-divinylbenzene resins impregnated with iron(III) and crown ethers for arsenic removal, *Pure Appl. Chem.*, 86(II), 2014, pp. 1729-1740.

2013

32. Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Cs⁺ removal from aqueous solutions through adsorption onto Florisil impregnated with trihexyl(tetradecyl)phosphonium chloride, *Molecules*, 18, 2013, pp. 12845-12856.
33. Corneliu Mircea Davidescu, **Mihaela Ciopec**, Adina Negrea, Adriana Popa, Lavinia Lupa, Ecaterina-Stela Drăgan, Radu Ardelean, Gheorghe Iliu, Synthesis, characterization and Ni(II) ion separation properties of poly(styrene-co-divinylbenzene)-supported aminophosphonic acids, *Polymer Bulletin*, 2013, pp. 277-291.
34. **Mihaela Ciopec**, Corneliu Mircea Davidescu, Adina Negrea, Lavinia Lupa, Adriana Popa, Cornelia Muntean, Radu Ardelean, Gheorghe Iliu, Synthesis, characterization and adsorption behavior of aminophosphonic grafted on poly(styrene-co-divinylbenzene) for divalent metal ions in aqueous solutions, *Polymer Eng. & Sci.*, 2013, 53(5), 2013, pp. 1118-1124.
35. 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, pp. 397-406.
36. Adina Negrea, Lavinia Lupa, Radu Lazau, **Mihaela Ciopec**, Oana Pop, Marinela Motoc, Adsorption properties of Fe₂O₃ and Fe₂O₃SiO₂ mixtures in the removal process of As(III) from underground waters, *Revista de chimie* 64(5), 2013, pp. 487-494.
37. Iulian Zoltan Boboescu, Vasile Daniel Gherman, Ion Mirel, Gergely Maroti, Adina Negrea, **Mihaela Ciopec**, Marinela Motoc, Development of two-step fermentative biohydrogen production process using selectively enriched microbial populations as inoculum, *Revista de Chimie*, 64(8), 2013, pp. 919-924.
38. 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.
39. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Raluca Voda, Catalin Ianasi, Study of different impregnated methods of inorganic supports with ionic liquid, *Journal of Environmental Protection and Ecology*, (JEPE), 14(4), 2013, pp. 1785-1793.

2012

40. **Mihaela Ciopec**, Lavinia Lupa, Adina Negrea, Corneliu Mircea Davidescu, Adriana Popa, Petru Negrea, Marilena Motoc, Dana David, Dana Kaycsa, Kinetic and thermodynamic studies regarding Cu(II) ions removal from aqueous solution by Poly(styrene-Divinylbenzene)-Supported Aminophosphonic Acids, *Revista de Chimie*, 2012, 63(1), pp. 49-53.
41. Gabriela Gherman, Adina Negrea, **Mihaela Ciopec**, Teodor-Eugen Man, Marinela Moțoc, Studies concerning the stabilization by phytoremediation of soils degraded by mining activities, *Revista de Chimie*, 63(3), 2012, pp. 324-329.
42. **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.
43. **Mihaela Ciopec**, Corneliu Mircea Davidescu, Adina Negrea, Ion Grozav, Lavinia Lupa, Petru Negrea, Adriana Popa, Adsorption Studies of Cr(III) ions from aqueous solution by DEHPA impregnated onto Amberlite XAD-7 Factorial design analysis, *Chemical Engineering Research and Design*, 90(10), 2012, pp. 1660-1670.

2011

44. **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), *Absorption Science and Technology*, 2011, 29(10), pp. 989-1005.
45. Adina Negrea, **Mihaela Ciopec**, Lupa Lavinia, Corneliu Mircea Davidescu, Adriana Popa, Gheorghe Iliu, Petru Negrea, Removal of As(V) by Fe(III) loaded XAD7 impregnated resin containing di(2-ethylhexyl) phosphoric acid DEHPA): Equilibrium, Kinetic, and Thermodynamic modeling studies, *Journal of Chemical and Engineering Data*, vol. 565, pp. 3830-3838.
46. Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Corneliu Mircea Davidescu, Adriana Popa, Petru Negrea, Marinela Motoc, Adsorption of arsenate anions from aqueous medium by using Fe(III) loaded XAD7-DEHPA impregnated resin, *Revista de Chimie*, octombrie 2011, vol. 62, nr. 10, pp. 1008-1011.
47. **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.
48. 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, pp. 712-717.

2010

49. Adina Negrea, Lupa Lavinia, **Mihaela Ciopec**, Radu Lazău, Cornelia Muntean, Petru Negrea, Adsorption of As(III) ions onto iron-containing waste sludge, *Absorption Science & Technology*, 28(6), pp. 467-480.
50. 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, 2010.

2009

51. **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.
52. Ramona Ghiga, Aurel Iovi, Petru Negrea, Lavinia Lupa, Adina Negrea, Marilena Motoc, **Mihaela Ciopec**, Mariana Anghel, Emilian Popovici, Studies regarding the recovery possibilities of heavy metals from waste catalysts resulted from CO conversion, *Revista de Chimie*, nr.1, vol. 59, 2009, p. 68-71.
53. Mihaela Andoni, Anca Dragomirescu, Aurel Iovi, Ioan Ursoiu, Adina Negrea, Lavinia Lupa, Petru Negrea, **Mihaela Ciopec**, Use of Ion Exchange Resin to Remove the Mercury from Contaminated Waters, *Revista de Chimie*, nr.4, vol. 60, 2009, p. 424-426.
54. **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.

2008

55. Mihaela Andoni, Aurel Iovi, Petru Negrea, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Studies regarding the removing of mercury from soil using Na-EDTA, Na₂S₂O₃ and KI solutions, *Revista de Chimie*, nr.6, vol. 59, 2008, p. 653-655.
56. Mihaela Andoni, Aurel Iovi, Petru Negrea, Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Mercury removing from the contaminated soil using KI solution. The pH influence, *Revista de Chimie*, nr.7, vol. 59, 2008, p. 779-781.
57. Petru Negrea, Marinela Motoc, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Quantitative analysis of trace metals accumulation in teeth through atomic absorption spectrometry, *European Cells and Materials*, Vol. 16, Supliment 5, 2008, p. 33.

2007

58. **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.
59. Adina Negrea, Vasile Pode, Petru Negrea, Aurel Iovi, Lavinia Lupa, **Mihaela Ciopec**, Giannin Moșoarcă, Studii asupra procesului de eliminare prin precipitare-coagulare a ionului fosfat, Revista de Chimie, 2007, nr. 10, vol. 58, 2007, p. 999-1003.
60. Lavinia Lupa, Petru Negrea, Aurel Iovi, **Mihaela Ciopec**, Marilena Motoc, Obținerea oxidului de zinc din cenusa de zinc, Revista de chimie, nr. 10, vol. 58, 2007, p. 1075-1080.

b. Articole publicate în reviste si volumele unor manifestari stiintifice indexate ISI (proceeding)

2016

1. Vasile Mînzatu, Petru Negrea, Adina Negrea, **Mihaela Ciopec**, Bianca Bumbu, Alin Golban, Andreea Vasile, Removal of organic compounds from industrial wastewater using physico-chemical methods, WIT Transactions on Ecology and the Environment, Vol. 209, Water pollution XIII, pp.185-195, 2016 (Library, Scopus, EBSCO, IEEE Xplore, Thomson Reuters Conference Proceedings Citation Index-Science (ISI Web of Science))
2. Andreea Gabor, Corneliu Mircea Davidescu, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Use of magnesium silicate functionalized with thiourea for Sr(II) and Tl(I) removal from polluted water, WIT Transactions on Ecology and the Environment, Vol. 209, Water pollution XIII, pp.197-207, 2016 (Library, Scopus, EBSCO, IEEE Xplore, Thomson Reuters Conference Proceedings Citation Index-Science (ISI Web of Science))
3. Petru Negrea, Vasile Minzatu, **Mihaela Ciopec**, Adina Negrea, Removal of Dyes and Heavy Metals from Wastewater using Electrocoagulation Process, Conference Proceedings-16 International Multidisciplinary scientific geoconference SGEM 2016, Vol. III, 2-5 November, 2016, pp. 465-472 (Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, ELSEVIER, SCOPUS, EBSCOHost, ProQuest, Springer Nature)

2015

4. Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Raluca Vodă, Petru Negrea, Studies regarding the influence of the ultrasonication conditions on the adsorption performance of obtained ionic liquid impregnated materials, International Journal of Chemical Engineering and Application, 6(6), december, 2015, DOI: 10.7763/IJCEA.2015.V6.520, PP. 410-416 (Library, Scopus, EBSCO, IEEE Xplore, Thomson Reuters Conference Proceedings Citation Index-Science (ISI Web of Science))

2014

5. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Iosif Hulka, Studies regarding the florasil impregnation with ionic liquid through ultrasonication, International Journal of Chemical Engineering and Application, 5(5), October, 2014, pp. 424-428 (ISSN: 2010-0221), doi:10.7763/IJCEA.2014.V5.422
6. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Raluca Vodă, Petru Negrea, Iosif Hulka, Ultrasonication impregnation of florasil with 1-octyl-3-methylimidazolium tetrafluoroborate used as adsorbent in the removal process of Cs⁺ from aqueous solution, Water pollution XII, vol. 182, 223-232, ISBN: 978-1-84564-776-6, doi: 10.2495/WP140201

2013

7. Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Petru Negrea, Andreea Gabor, Influence of the solid support base impregnated with IL on the sorption of various radionuclides from aqueous solutions, AWERProcedia Advances in Applied Sciences, vol. 1, 2013, pag. 241-250, ISSN: 1877-0428 (Library, Scopus, EBSCO, IEEE Xplore, Thomson Reuters Conference Proceedings Citation Index-Science (ISI Web of Science))
8. **Mihaela Ciopec**, Adina Negrea, Petru Negrea, Lavinia Lupa, Arsenic removal from underground water through adsorption onto XAD-7 impregnated resin with mixed extractants, AWERProcedia Advances in Applied Sciences, vol. 1, 2013, pag. 201-216, ISSN: 1877-0428 (Library, Scopus, EBSCO, IEEE Xplore, Thomson Reuters Conference Proceedings Citation Index-Science (ISI Web of Science))
9. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Characterization of strontium adsorption from aqueous solutions using inorganic materials impregnated with ionic liquid, Paris, International Journal of

Chemical Engineering and Application, vol 4(5), octombrie, 2013, Paris, doi: 10.7763/IJCEA.2013.V4.319, pp. 326-331, ISSN: 2010-0221

2012

10. Adina Negrea, Petru Negrea, **Mihaela Ciopec**, Ioan Grozav, Lavinia Lupa, Corneliu Mircea Davidescu, The design of the experiments of arsenic removal from aqueous solutions onto Fe-XAD8-DEHPA, Water pollution XI, WIT Transaction on Ecology and Environment, vol. 164, pp. 427-436, ISBN: 978-1-84564-608-0, ISSN: 1743-3541, 2012, (doi: 10.2495/WP120371)

2010

11. Adina Negrea, **Ciopec Mihaela**, Lupa Lavinia, Muntean Cornelia, Radu Lazau, Negrea Petru, Kinetic and thermodynamic aspects of arsenic (III) adsorption onto iron oxide obtained from iron oxalate, Water pollution X, WIT Transaction on Ecology and Environment, vol. 135, pp. 117-129, ISBN: 978-1-84564-448-2, ISSN: 1743-3541, 2010

c. Articole publicate în reviste si volumele unor manifestari stiintifice indexate in baze de date internationale (BDI)**2017**

1. Petru Negrea, Mihaela Ciopec, **Adina Negrea***, Vasile Mînzatu, Narcis Duțeanu, Removal efficiency of As(III) from wastewater through electrocoagulation, Annual International Conference on Sustainable Energy and Environmental Sciences (SEES), 6-7 Martie, 2017, acceptat, ([Ulrichsweb](#), [EconBiz](#), [EBSCO](#), [CrossRef](#), [ProQuest](#), [Cabell's Directories](#), [Index Copernicus](#))

2014

2. Raluca Voda, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Corneliu Mircea Davidescu, Treatment of dyes containing waste water with nanocrystalline zinc ferrite, Annals of West University of Timisoara- Series of Chemistry, 23(1), 2014, pp. 1-9.

2013

3. Andreea Gabor, C.M. Davidescu, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Use of magnesium silicate functionalized with dibenzo-18-crown-6 for environmental protection, Chem. Bull. Politehnica Univ., Timisoara, 58(72), 1, 2013, pp. 10-12

2011

4. **Mihaela Ciopec**, Adina Negrea, Lavinia Lupa, Corneliu Davidescu, Petru Negrea, Paula Sfârloagă, Performance evaluation of the Fe-IR-120 (Na)-DEHPA impregnated resin in the removal process of As(V) from aqueous solution, Journal of materials science and engineering, 2011, Vol. 1, nr.4, pp. 421-432, ISSN: 2161-6221
5. Adina Negrea, **Mihaela Ciopec**, Cornelia Muntean, Petru Negrea, Lavinia Lupa, Radu Lazău, Studii comparative privind depoluarea apelor cu conținut de As, prin adsorbție pe materiale oxidice, Bul. AGIR, nr. 2, 2011, p. 71-77
6. **Mihaela Ciopec**, Adina Negrea, Corneliu Davidescu, Cornelia Muntean, Petru Negrea, Lupa Lavinia, Studies regarding the use of phosphate groups-impregnated resins in view of metals ions removal from solutions, AGIR, nr. 2, 2011, p. 78-81
7. Adina Negrea, **Mihaela Ciopec**, Corneliu Mircea Davidescu, Lavinia Lupa, Petru Negrea, Adriana Popa, Adsorption characteristic of As(V) onto Fe-XAD7-DEHPA-resin, Chem. Bull. "Politehnica" Univ. (Timisoara) 56(70), 1, 2011, pp. 20-23
8. **Mihaela Ciopec**, Corneliu Mircea Davidescu, Adina Negrea, Lupa Lavinia, Petru Negrea, Adriana Popa, Di - 2-Ethylhexyl phosphoric acid immobilization with polysulfone microcapsules for Cu(II) extraction, Chem. Bull., "Politehnica" Univ. (Timisoara) 56(70), 1, 2011, pp. 43-46

9. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Experimental and Modelling Studies on As(III) Removal from Aqueous Medium on Fixed Bed Column, Chem. Bull. "Politehnica" Univ. (Timisoara) Volume 56(70), 2, 2011, pp. 89-93

2010

10. Adina Negrea, Cornelia Muntean, Lavinia Lupa, Radu Lazau, **Mihaela Ciopec**, Petru Negrea, Arsenite adsorption on some materials containing iron. Effect of anionic species, Chem. Bull. "Politehnica" Univ., Timisoara, 55(69), 1, pp.46-49, ISSN: 1224-6018, 2010
11. **Mihaela Ciopec**, Adina Negrea, Corneliu Mircea Davidescu, Petru Negrea, Cornelia Muntean, Adriana Popa, Use of di-(2-ethylhexyl) phosphoric acid (DEHPA) impregnated XAD-8 copolymer resin for the separation of metals ions from water, Chem. Bull. „Politehnica" Univ., Timisoara, 55 (69), 2, p. 127-131, 2010
12. Adina Negrea, Lavinia Lupa, Cornelia Muntean, **Mihaela Ciopec**, Petru Negrea, Roxana Istratie, Studies on adsorption in column of As(III) from water on iron containing materials, Chem. Bull. "Politehnica" Univ., Timisoara, 55(69), 2, p. 123-126, 2010
13. Adina Negrea, Lavinia Lupa, Petru Negrea, **Mihaela Ciopec**, Cornelia Muntean, Simultaneous removal of ammonium and phosphate ions from wastewaters and characterization of the resulting product, Chem. Bull. "Politehnica" Univ., Timisoara, 55(69), 2, pp. 136-142, 2010
14. **Mihaela Ciopec**, Adina Negrea, Corneliu Mircea Davidescu, Petru Negrea, Cornelia Muntean, Adriana Popa, Adsorption of trace metals by XAD-7 impregnated resins with di-(2-ethylhexyl)-phosphoric acid (DEHPA), Annals of West University of Timisoara, Series Chemistry, 16(1), 2010, pp. 17-27
15. Petru Negrea, Lavinia Lupa, Dan Visoiu, Raul Brauner, **Mihaela Ciopec**, Cornelia Muntean, Adina Negrea, Cenușa de zinc-sursa secundara de zinc, Buletinul AGIR, nr. 2-3, 2010, p. 82-87

2009

16. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Radu Lazau, The use of sludge with iron content as adsorbent material for arsenic removal from water, 11-th International Conference on Environmental Science and Technology, Proceedings of the 11-th International Conference on Environmental Science and Technology, Chania, Crete, Grecia, 2009
17. Cornelia Muntean, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Petru Negrea, Dan Rosu, Studies regarding the arsenic removal from water, Chem. Bull. Politehnica Univ. Timisoara, 54(68), 1, 2009, p. 18-20
18. Adina Negrea, Cornelia Muntean, **Mihaela Ciopec**, Lavinia Lupa, Petru Negrea, Removal of arsenic from underground water to obtain drinking water, Chem. Bull., Politehnica, Univ., Timisoara, 54(68), pp. 82-84, 2009, ISSN: 1224-6077

2008

19. Lavinia Lupa, Giannin Moșoarcă, Petru Negrea, **Mihaela Ciopec**, Adina Negrea, Effect of filterwashing water recycling on iron and manganese removal process from ground water, 1st International Conference, "Hazardous Waste Management, 1-3 October, Chania-Creta, 2008, Grecia, pag. 71-72
20. Adina Negrea, Lavinia Lupa, Petru Negrea, Giannin. Moșoarcă, **Mihaela Ciopec**, Studies concerning minimization and recycling of sludge resulted during hot-dip galvanization, 1st International Conference, "Hazardous Waste Management, 1-3 October, Chania-Creta, 2008, Grecia, pag. 419-420

2007

21. **Mihaela Ciopec**, Aurel Iovi, Adina Negrea, Lavinia Lupa, Petru Negrea, Studies Regarding the PK-Me Fertilizers Obtaining of Type from the Systems $K_4P_2O_7$ - $MeSO_4$, Chem. Bull. „Politehnica" Univ., Timișoara, 52(66), 1-2, 2007, p.61-65 ISSN: 1224-6018
22. Cornel Bogatu, M. Lazarovici, Smaranda Masu, Adina Negrea, Giannin Mosoarca, **Mihaela Ciopec**, N. Dragomir, Mobilization of Heavy Metals from Mining wastes by their covering with soil and phytoremediation, Chem. Bull. "Politehnica" Univ. Timisoara 2007, Tom 52(66), fascicola 1-2, ISSN 1224-6018, p. 27-30
23. Cornel Bogatu, B. Lixandru, Ladislau Andres, Smaranda Masu, Giannin Mosoarca, Adina Negrea, **Mihaela Ciopec**, Heavy Metals Immobilization in Soils by Using of Supported Volcanic Tuff and Biosolid, Chem. Bull. "Politehnica" Univ. Timisoara 2007, Tom 52(66), fascicola 1-2, ISSN 1224-6018, p. 31-33

24. Lavinia Lupa, Petru Negrea, Aurel Iovi, Adina Negrea, **Mihaela Ciopec**, Giannin Moșoarcă, Characterisation of the ammonium-zinc chloride obtained from zinc residual solution, Simpozion International „Zinc Crops 2007”, 24-26 may 2007, Istanbul, Turkey, CD (doi:10.1007/s11104-008-9584-6)
25. Petru Negrea, Aurel Iovi, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Giannin Moșoarcă, Characterisation of the zinc carbonate obtained from zinc-chloride residual solution, Simpozion International „Zinc Crops 2007”, 24-26 may 2007, Istanbul, Turkey, CD (doi:10.1007/s11104-008-9584-6)
26. **Mihaela Ciopec**, Aurel Iovi, Petru Negrea, Lavinia Lupa, Adina Negrea, Ramona Ghiga, Studies regarding the obtaining of PK liquid fertilizers with zinc microelement, Simpozion International „Zinc Crops 2007”, 24-26 may 2007, Istanbul, Turkey, CD (doi:10.1007/s11104-008-9584-6)
27. **Mihaela Ciopec**, Aurel Iovi, Adina Negrea, Lavinia Lupa, Giannin Mosoarca, Ramona Ghiga, Recover of the Zn, Cu and Co ions from the bottom Ash resulted from the hazardous materials incineration, 3 rd International Conference on Life Cycle Management, LCM 2007, Zurich, Elvetia, (CD) (doi: <http://dx.doi.org/10/1065/lca2007/1`2/369>)
28. Lavinia Lupa, Aurel Iovi, Adina Negrea, **Mihaela Ciopec**, Mihaela Buta, Giannin Mosoarca, Studies regarding the optimum condition establishment of the metals ions extraction from sludge, Research people and actual tasks on multidisciplinary sciences, 6-8 June 2007, Lozenec, Bulgaria, volume 3, p. ISBN: 978-954-91147-3-7, p. 170-174
29. **Mihaela Ciopec**, Aurel Iovi, Petru Negrea, Lavinia Lupa, Marcela Stoia, Giannin Mosoarcă, Researches Regarding the obtaining of the PK Fertilizers with the Microelement Cu from the System $K_4P_2O_7-CuSO_4$, Research People and Actual Tasks on Multidisciplinary Sciences, 6-8 June, 2007, Lozenec, Bulgaria, vol. 3, ISBN 978-954-91147-3-7, pag. 188-192.
30. Ramona Ghiga, Aurel Iovi, Cornelia Muntean, Petru Negrea, **Mihaela Ciopec**, Giannin Mosoarcă, Studies Regarding the Fertilizer Obtaining with Microelements Copper and Zinc Recovered from waste Catalysts, Research People and Actual Tasks on Multidisciplinary Sciences, 6-8 June, 2007, Lozenec, Bulgaria, vol. 3, ISBN 978-954-91147-3-7, pag. 205-209,

d. Articole publicate în reviste neindexate în baze de date

2009

1. Adina Negrea, Lavinia Lupa, Petru Negrea, **Mihaela Ciopec**, Cornelia Muntean, Materiale neconvenționale utilizate în absorbția arsenului din ape subterane Bul. AGIR, nr. 2-3/2009, aprilie-septembrie, ISSN 1224-7928, p. 44-48.
2. Cornelia Muntean, Adina Negrea, Lavinia Lupa, Petru Negrea, **Mihaela Ciopec**, Controlul calității apelor subterane, Bul. AGIR, nr. 2-3/2009, aprilie-septembrie, ISSN 1224-7928, p. 38-43.
3. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Ramona Ghiga, Valorificarea deșeurilor cu conținut de ioni metalici ca îngrășăminte primare cu microelemente, Bul. AGIR, nr. 2-3/2009, aprilie-septembrie, ISSN 1224-7928, p. 178-181

2008

4. Adina Negrea, Cornelia Muntean, Petru Negrea, **Mihaela Ciopec**, Lavinia Lupa, Bio-remediation of the Zinc polluted Soils from Mining Areas, Chem. Bull. “Politehnica” Univ. (Timisoara), 53(67), 1-2, 2008, p. 83-88
5. Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Cornelia Muntean, Petru Negrea, Studies regarding the Copper Ions Removal from Waste Waters, Chem. Bull. “Politehnica” Univ. (Timisoara), 53(67), 1-2, 2008, p. 93-97
6. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Cornelia Muntean, Petru Negrea, Georgiana Mladin, Studies regarding the Establishment of the optimum Conditions of Ammonium and Phosphate Ions Removal from Water, Chem. Bull. “Politehnica” Univ. (Timisoara), 53(67), 1-2, 2008, p. 98-101
7. Adina Negrea, Lavinia Lupa, Cornelia Muntean, **Mihaela Ciopec**, Petru Negrea, Carmen Ghimboasă, Marinela Motoc, Studies regarding the possibilities of ammonium ions removal from underground waters, Chem. Bull. “Politehnica” Univ. (Timisoara), 53(67), 1-2, 2008, p. 106-109
8. Ramona Ghiga, Aurel Iovi, Petru Negrea, Adina Negrea, Cornelia Muntean, Lavinia Lupa, **Mihaela Ciopec**, Studies regarding the establishment of the optimum conditions of obtaining process of NP fertilizers with micronutrients, Chem. Bull. “Politehnica” Univ. (Timisoara), 53(67), 1-2, 2008, p. 276-279

9. Petru Negrea, Florian Sidea, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Cornelia Muntean, Studies regarding the benzene, Toluene and o-xylene removal from waste water, Chem. Bull. „Politehnica” Univ. Timisoara, 53(67), 1-2, 2008, p. 144-146
10. Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Cornelia Muntean, Obținerea îngrășămintelor de tipul PK cu microelementul cupru în vederea îmbunătățirii calității recoltelor, Bul. AGIR, nr. 1-2/2008, ianuarie-iunie, ISSN 1224-7928, p. 46-53.
11. Cornelia Muntean, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Studii asupra calității cătinei albe utilizată în scop terapeutic, Bul. AGIR, nr. 1-2/2008, ianuarie-iunie, ISSN 1224-7928, p. 42-45

2007

12. Adina Negrea, Cornelia Muntean, **Mihaela Ciopec**, Lavinia Lupa, Marilena Motoc, Studies regarding the quality of drinking water from a rural area, The 14th Symposium on analytical and Environmental problems, 24 sept. 2007, The 14th Symposium on analytical and Environmental problems, 24 sept. 2007, Szeged, Ungaria, p.130-133, ISBN 978-963-87720-0-8

2006

13. Corneliu Bogatu, Smaranda Masu, N. Dragomir, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, M. Lazarovici, C. Cristea, Giannin Mosoarca, The Use of Sequential Extraction for Polluted Soils Characterization, Chem. Bull. “Politehnica” Univ. (Timisoara), vol. 51(65), 1-2, 2006, p. 61-63
14. Corneliu Bogatu, Adina Negrea, Giannin Mosoarca, Lavinia Lupa, **Mihaela Ciopec**, The Analysis of Heavy Metals Adsorption and Desorption Processes from Polluted Soils, Chem. Bull. “Politehnica” Univ. (Timisoara), vol. 51(65), 1-2, 2006, p. 64-66
15. **Mihaela Ciopec**, Aurel Iovi, Petru Negrea, Lavinia Lupa, Giannin Mosoarca, Ramona Ghiga, Studies Regarding the Obtaining of the PK Fertilizer with the Copper and Zinc Microelement, Chem. Bull. „Politehnica” Univ. (Timisoara), Vol. 51(65), 1-2, 2006, pag. 51-54,
16. Lavinia Lupa, Petru Negrea, Aurel Iovi, **Mihaela Ciopec**, Giannin Mosoarca, Zinc Recover from Zinc Ash by Extraction with Hydrochloric Acid Solutions, Chem. Bull. „Politehnica” Univ. (Timisoara), Vol. 51(65), 1-2, 2006, pag. 71-74,

2005

17. Monica Ihoș, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, Comparative study of As(III) removal efficiency from water by electrocoagulation and conventional coagulation, Chem. Bull. “Politehnica” Univ. (Timisoara), vol. 50 (64), 1-2, 2005, p. 87-90

2004

18. Rodica Pode, G. Kovacs, Georgeta Burtică, Lavinia Teuca, **Mihaela Ciopec**, T. Polen, Study about the obtaining, characterization and the roll of some compounds of premixes with microelements used in stock raising, Chem. Bull, Univ. (Timisoara), 49(63), Fascicula 1-2, 2004, ISSN 1224-6018, p. 96 – 101,

2002

19. Dana Chis, Corneliu Bogatu, D. Botău, I. Vlaicu, Giannin Moșoarcă, Petru Negrea, Aurel Iovi, **Mihaela Zăpărțan (cas. Ciopec)**, Spectrophotometric Analysis of Chlorine Dioxide in Water Solutions, Chem. Bull. “Politehnica” Univ. (Timisoara), vol. 47 (61), 1-2, 2002,

6. ARTICOLE/STUDII PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE**2015**

20. Vasile Manzatu, Aylin Capraru, Claudiu Marginean, Paula Simode, Bianca Bumbu, Alin Golban, **Mihaela Ciopec**, Petru Negrea, Studii privind epurarea apelor uzate cu continut de uleiuri vegetale prin procesul de electroflotocoagulare, a XV-a Conferinta internationala-multidisciplinara ‘Profesorul Dorin Pavel-fondatorul hidroenergeticii romanesti”, vol 28, pp. 559-568, 5-6 Iunie, Sebes, 2015, ISSN: 2067-7138.

21. Vasile Manzatu, Alexandra Bogin, Paula Simode, Bianca Bumbu, Alin Golban, **Mihaela Ciopec**, Adina Negrea, *Indepartarea ionului fosfat din apele uzate prin metode fizico-chimice*, vol 28, pp. 569-576, 5-6 Iunie, Sebes, 2015, ISSN: 2067-7138.

22. Andreea Cotofrea, Adina Negrea, **Mihaela Ciopec**, *Pollution with domestic wastes*, Simpozionul studentesc "Turism si dezvoltare durabila", Ediția aIV-a, pp. 34-42, Timisoara, 22 Mai, Editura Eurostampa, ISSN 2343-7162.

2014

23. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Petru Negrea, *Use of ionic liquid as green extractants in the removal process of radionuclides from aqueous solutions*, Simpozionul Internațional "Tourism and durable development", 3-5 aprilie, 2014, Timișoara, pp. 95-103, ISSN: 2286-3125

24. Stud. Bumbu Bianca Lăcrămioara, Adina Negrea, **Mihaela Ciopec**, *Strontium Pollution*, Simpozionul Științific Studentesc "Turism și dezvoltare durabilă", Ediția a III-a, Timișoara, 15 Mai 2014, pp. 107-116, ISSN: 2343-7162

25. Stud. Andreea Enache, Stud. Andreea Vasile, Adina Negrea, **Mihaela Ciopec**, *Environmental Pollution Due Mining Exploitation, Strontium Pollution*, Simpozionul Științific Studentesc "Turism și dezvoltare durabilă", Ediția a III-a, Timișoara, 15 Mai 2014, pp. 126-135, ISSN: 2343-7162

26. Stud. Alexandra Popovici, Adina Negrea, **Mihaela Ciopec**, *Noise Pollution*, Simpozionul Științific Studentesc "Turism și dezvoltare durabilă", Ediția a III-a, Timișoara, 15 Mai 2014, pp. 69-79, ISSN: 2343-7162

2013

27. **Mihaela Ciopec**, Adina Negrea, Petru Negrea, Lavinia Lupa, *Use of SiO₂ impregnated with crown ether and ionic liquid as new adsorbent materials in the removal process of Cs⁺ from aqueous solutions*, The 19-th Symposium on Analytical and Environmental Problems, 23 September, 2013, Szeged, pp. 23-27, ISBN: 978-963-315-141-9

28. Lăcrămioara Cristiu, Adina Negrea, **Mihaela Ciopec**, *Monitoring arsenic in the environment. Economic impact*, Simpozionul Științific Studentesc, "Turism si dezvoltare durabila", Timisoara, p. 67-72

2012

29. Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Gabriela Garban, Cornelia Muntean, Andreea Dragota, *Studies regarding the possibilities of slag immobilization in concrete*, The International Symposium on Analytical and Environmental problems, with special emphasis on heavy metals ions as contaminants, Szeged, 2012, pp. 24-27, ISBN: 978-963-306-165-7

30. **Mihaela Ciopec**, Gabor Galbacs, Corneliu Mircea Davidescu, Lavinia Lupa, **Adina Negrea**, Petru Negrea, Cornelia Muntean, *Studies regarding the advanced treatment of wastewaters resulted from hot-zinc galvanizing*, The International Symposium on Analytical and Environmental problems, with special emphasis on heavy metals ions as contaminants, Szeged, 2012, pp. 28-31

2011

31. Petru Negrea, **Mihaela Ciopec**, Cornelia Muntean, Gabriela Gârban, Lupa Lavinia, **Adina Negrea**, *Studies on the purification of wastewaters with high nickel ions content*, Szeged, 2011, p. 291-294

32. Adina Negrea, Gabriela Gârban, **Mihaela Ciopec**, Cornelia Muntean, Petru Negrea, Ioneta Dragomir, *Studies regarding the turning to account of the waste resulting from coal exploitation*, Szeged, 2011, p. 295-298

33. **Mihaela Ciopec** Zoltan Galbacs, Corneliu Mircea Davidescu, Gabor Galbacs, Adina Negrea, Adriana Popa, Petru Negrea, *Use of impregnated resins as adsorbents in view of heavy metals removal from aqueous solutions*, Szeged, 2011, p. 283-286

34. **Mihaela Ciopec**, Zoltan Galbacs, Gabor Garbacs, Adina Negrea, Cornelia Muntean, Corneliu Mircea Davidescu, Lavinia Lupa, *Studies on column adsorption of arsenic (V) from a real water on DEHPA-impregnated XAD8 resin*, Szeged, 2011, p. 287-290

35. **Mihaela Ciopec**, Adina Negrea, Corneliu Mircea Davidescu, Adriana Popa, Cornelia Muntean, Petru Negrea, Lavinia Lupa, *Use of chelating resins bearing aminomethyl phosphoric acid groups attached to phenyl groups attached to phenyl groups of a styrene divinylbenzene copolymer matrix for recovery of arsenic*

(V) from aqueous solutions, Xeme Colloque Franco-Roumain sur les polymers, sept. 2011, Douai, Franta, p. 170-173

2010

36. Adina Negrea, Gabriela Garban, Andreea Gabor, **Mihaela Ciopec**, Petru Negrea, Lavinia Lupa, Studies regarding some xenobiotics present in food supplements, Metal Elements in Environment, Medicine and Biology, Tome XI, CLuj, 2010

2009

37. Cornelia Muntean, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Petru Negrea, Studies regarding the stabilization of sterile dumps by bio-accumulation, The 16th International Symposium on Analytical and Environmental Problems, Szeged, 2009, p. 416-419
38. Adina Negrea, Anamaria Teci, Cornelia Muntean, Lavinia Lupa, **Mihaela Ciopec**, Dan Rosu, Studies regarding the establishment of the adsorption conditions of arsenic on an unconventional material, The 16th International Symposium on Analytical and Environmental Problems, Szeged, 2009, p 412-415
39. **Mihaela Ciopec**, Adina Negrea, Cornelia Muntean, Lavinia Lupa, Petru Negrea, Studies regarding the turning into account of incineration ash as copper and iron sulphate, The 16th International Symposium on Analytical and Environmental Problems, Szeged, 2009, p. 420-423

2008

40. Petru Negrea, Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Zinc recycling from hot-dip galvanizing wastes, MicroCAD 2008, International Scientific Conference 20-21 March 2008, p. 39-44
41. **Mihaela Ciopec**, Adina Negrea, Aurel Iovi, Petru Negrea, Lavinia Lupa, The use of metals recovered from wastes as microelements at the fertilizers obtaining, MicroCAD 2008, International Scientific Conference 20-21 March 2008, p. 45-49
42. Petru Negrea, Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Zinc recycling from hot-dip galvanizing wastes, MicroCAD 2008, International Scientific Conference 20-21 March 2008, p. 39-44,
43. Adina Negrea, **Mihaela Ciopec**, Muntean, Lavinia Lupa, Petru Negrea, Studies regarding the sequential extraction of zinc from soil, Proceedings of The 15th symposium on analytical and environmental problems, 22 September 2008, Szeged Hungary, ISBN 978 – 963 – 87720 – 0 – 8, p. 258-261
44. Petru Negrea, Lavinia Lupa, **Mihaela Ciopec**, Cornelia Muntean, Adina Negrea, Aerobe biological treatment of waste waters on a pilot installation, Proceedings of The 15th symposium on analytical and environmental problems, 22 September 2008, Szeged Hungary, ISBN 978 – 963 – 87720 – 0 – 8, p. 262-265
45. Cornelia Muntean, Petru Negrea, **Mihaela Ciopec**, Lavinia Lupa, Adina Negrea, Marinela Motoc, Studies on the copper ions removal from waste solutions through precipitation with Na₂CO₃, Proceedings of The 15th symposium on analytical and environmental problems, 22 September 2008, Szeged Hungary, ISBN 978 – 963 – 87720 – 0 – 8, p. 266-270
46. Cornelia Muntean, Petru Negrea, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Giannin Mosoarcă, Ramona Ghiga, IR-Spectroscopy and SEM Studies on Some Nitrophosphate Fertilizers Containing Microelements, International Scientific Symposium: „Increase of Profitability and Sustainability of Agricultural Production in Trans-Frontier Area”, PHARE CBC RO 2005/017-536.01.01.01.25., 15 Mai 2008, ISBN 978-973-620-392-3, p. 66-74
47. Ramona Ghiga, Aurel Iovi, Petru Negrea, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Cornelia Muntean, Giannin Moșoarcă, Studies Regarding the Obtaining Process of NP Fertilizers with Copper and Zinc Microelements, International Scientific Symposium: „Increase of Profitability and Sustainability of Agricultural Production in Trans-Frontier Area”, PHARE CBC RO 2005/017-536.01.01.01.25., 15 Mai 2008, ISBN 978-973-620-392-3, p. 51-58
48. Mihaela Andoni, Adriana Dragomirescu, Aurel Iovi, Ioan Ursoiu, Adina Negrea, Lavinia Lupa, Petru Negrea, **Mihaela Ciopec**, A new approach regarding the removing of mercury from contaminated waters, Proceedings of the Second Edition of the Symposium with International Participation „New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection”, 6-7 November, 2008, Timișoara, Romania, p.112-115
49. Adina Negrea, **Mihaela Ciopec**, Petru Negrea, Lavinia Lupa, Giannin Mosoarca, Ramona Ghiga, research regarding the obtaining process of cobalt and potassium doubled pyrophosphate frp, system K₄P₂O₇-CoSO₄,

International Scientific Symposium „The perspective of euro-regional cooperation in agriculture”, Timisoara, 2008, p. 29-38

2007

50. Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Marinela Motoc, Influenta acumularii cuprului asupra micro si macroelementelor din plante, Simpozionul National „Protectia Mediului in contextul integrarii europene”, 2007, Timisoara, CD
51. Cornelia Muntean, Adina Negrea, **Mihaela Ciopec**, Lavinia Lupa, Marinela Motoc, Studii privind poluarea cu metale grele in zone viticole, Simpozionul National „Protectia Mediului in contextul integrarii europene”, 2007, Timisoara, CD
52. Lavinia Lupa, Petru Negrea, Aurel Iovi, **Mihaela Ciopec**, Adina Negrea, Cornelia Muntean, Giannin Moșoarcă, Studies regarding the neutralizations of the waste water resulted from thermal zinc coating, MicroCAD 2007, International Scientific Conference, 22-23 martie, 2007, Miskolk, p. 77-83
53. Cornelia Muntean, Adina Negrea, Lavinia Lupa, **Mihaela Ciopec**, Ramona Ghiga, Petru Negrea, Giannin Moșoarcă, Studies on the recovery of silver from waste water resulted in photoindustry, MicroCAD 2007, International Scientific Conference, 22-23 martie, 2007, Miskolk, p. 95-99
54. **Mihaela Ciopec**, Aurel Iovi, Adina Negrea, Lavinia Lupa, Giannin Mosoarca, Ramona Ghiga, Recover of the Zn, Cu and Co ions from the bottom Ash resulted from the hazardous materials incineration, 3 rd International Conference on Life Cycle Management, LCM 2007, Zurich, Elvetia, (CD)
55. Lavinia Lupa, Petru Negrea, Aurel Iovi, **Mihaela Ciopec**, Cornelia Muntean, The Obtaining of Iron Red Pigment from Sludge Resulted by Spent Acid Neutralization, 3rd International Conference on Life Cycle Management, LCM 2007, Zurich, Elvetia, (CD)
56. Adina Negrea, Cornelia Muntean, **Mihaela Ciopec**, Lavinia Lupa, Marilena Motoc, Studies regarding the quality of drinking water from a rural area, The 14th Symposium on analytical and Environmental problems, 24 sept. 2007, Szeged, Ungaria, p.130-133, ISBN 978-963-87720-0-8
57. Petru Negrea, Lavinia Lupa, Adina Negrea, **Mihaela Ciopec**, Studies regarding the metals ions extraction from sludge resulted from galvanic industry, Environment–Natural Sciences–Food Industry in European Context - ENSFI 2007, 1st Edition, 16 – 17 Noiembrie, 2007, Baia Mare, 6 pag.

2004

58. **Mihaela Ciopec**, Lavinia Teuca, Aurel Iovi, Petru Negrea, **Adina Negrea**, Researches on obtaining liquid fertilizers PK with microelement zinc from $K_4P_2O_7 - ZnSO_4$ syste, Al VI-lea Simpozion Internațional „Tinerii și Cercetarea Multidisciplinară”, 14 – 15 Noiembrie, 2004, CD p. 657-662

2003

59. **Mihaela Ciopec**, Carmen Băbăiță, Petru Negrea, Researches on obtaining Co^{2+} and Fe^{2+} pirophosphate from $Na_4P_2O_7 - MeSO_4$ (where $Me = Co^{2+}$ and Fe^{2+}) system, Al V-lea Simpozion Internațional România-Serbia-Ungaria, “Tinerii și Cercetarea Multidisciplinară”, 6-7 Noiembrie, Timișoara, 2003, CD,
60. **Mihaela Ciopec**, Carmen Băbăiță, Petru Negrea, Study on establishing the chemical composition on pirophosphats obtained from the following system $Na_4P_2O_7 - MeSO_4$ (unde $Me = Zn^{2+}$ and Cu^{2+}), Al V-lea Simpozion Internațional România-Serbia-Ungaria, “Tinerii și Cercetarea Multidisciplinară”, 6-7 Noiembrie, Timișoara, 2003, CD,

2002

61. **Mihaela Ciopec**, Cercetări cu privire la influența pH-ului inițial al soluțiilor cu conținut de ioni ai metalelor grele asupra capacității de reținere a clinoptilolitului natural indigen, Al IV-lea Simpozion Internațional “Tinerii și Cercetarea Multidisciplinară”, România-Serbia-Ungaria, 14-15 Noiembrie, Timișoara, 2002, p. 403, CD,

7. PROIECTE DE CERCETARE-DEZVOLTARE-INOVARIE PE BAZĂ DE CONTRACT/GRANT

a. Proiecte de cercetare-dezvoltare-inovare obținute prin competiție, pa bază de contract/grant în străinătate

1. HURO 1001/232/2.2.2, - Study of the interaction of toxic constituents with biomolecules towards application in environmental analysis, METCAP, 01.03.2012-31.08.2013, 76700 EUR, membru

2. Romanian-Swiss Research Programme, Join research project-IZERZO_142210/1-no. 24 RO CHRSRP/01.01.2013 (2013-2014) -Impact of waste and pollutants on environment and climate: Proposal for a collaborative research study of the wastewater discharge impact in the BEGA-TIMIS river sub-basin (Romania), 190000 CHF, membru

b. Proiecte de cercetare-dezvoltare-inovare obținute prin competiție, pe bază de contract/grant în țară

1. 33501/21.08.2002, cod CNCSIS 376, tip AT, Separarea ionilor metalelor grele din soluții reziduale concentrate în vederea valorificării sub formă de îngrășăminte cu microelemente CNCSIS, membru
2. 40536/2003, cod CNCSIS: 536, tip A, Implementarea producției ecologice și a ecodesign-ului în tehnologia de tratare a apei în scop potabil CNCSIS, membru
3. 40535/2003, cod CNCSIS 535, tip A, Tehnologii de recuperare și valorificare a ionilor metalici din deșeurile industriale în vederea reducerii poluării, CNCSIS, membru
4. 32940/2004, Cod CNCSIS 208, tip A, Strategii privind implementarea unor ecotehnologii de depoluare a solului CNCSIS, membru
5. Cod CNCSIS 59/2005, Biotehnologii integrate în procedee fizico-chimice pentru epurarea apelor uzate orașenești și tratarea nămolurilor reziduale în scopul reutilizării acestora, CEEX, membru
6. REMSOL- nr.4414/2006-2008, Tehnologii combinate inovative pentru protecția și remedierea in-situ a solurilor poluate cu metale grele în scopul reducerii biodisponibilității acestora, CEEX, membru
7. OVAPED-nr. 2799/2006-2008, Optimizarea valorificării potențialului energetic al deșeurilor pentru obținerea de energie curată în instalațiile industriale românești, CEEX, membru
8. CNCSIS-cod 925/2009-2011, Concept integrat asupra depoluării apelor cu conținut de arsen, prin adsorbție pe materiale oxidice, urmată de imobilizarea în matrice vitroase a deșeurilor rezultate (1000.000 lei), CNCSIS, membru
9. CNCSIS-cod 647/2009, Tehnologii inovative de epurare a apelor reziduale cu conținut de crom hexavalent prin reutilizarea deșeurilor de fier, CNCSIS, membru
10. PN-II-RU-TE-2012-3-0198/2013-2015, contract 20/26.04.2013 – Noua abordare în utilizarea lichidelor ionice (IIs) ca „extractanți verzi” în procesul de adsorbție a radionuclizilor din soluții apoase reziduale, membru
11. PN-II-PT-PCCA-2013-4-1708, contract 50/2014 „Instalație pilot mobilă pentru tratarea apelor reziduale cu ajutorul energiei solare (SOLWATCLEAN)”, membru

c. Alte contracte de cercetare-dezvoltare-inovare (contracte cu terți)

1. Contract 0371/2007, Analize fizico-chimice, Beneficiar SC Solectron Romania SRL, Colaborator
2. Contract 0373/2007, Monitorizarea poluanților industriali la secția turnătorie neferoase, Beneficiar SC Gefo Exim SRL, membru
3. Contract 721/2007, Studii privind contaminarea solului cu produse petroliere și măsuri de decontaminare a solului poluat în cadrul SC ASTRA VAGOANE SA Arad, Beneficiar SC ASTRA VAGOANE SA Arad, membru
4. Contract 22/26.02.2008, Monitorizarea factorilor de mediu prin metode fizico-chimice, Beneficiar SC Tin Factory SRL, membru
5. Contract 40/19.03.2008, Studii privind caracterizarea fizico-chimică a nămolului din stația de epurare biologică aerobă, Beneficiar SC Smithfield Procesare SA, membru
6. Contract 0380/30.01.2008, Studii privind caracterizarea fizico-chimică a apelor reziduale menajere și a apelor pluviale, Beneficiar SC Konberg Schubert Romania SA, membru
7. Contract 0381/11.02.2008, Studii privind controlul calitatii materiilor prime, produsului finit și a factorilor de mediu prin metode fizico-chimice, Beneficiar SC Berg Banat SA, membru
8. Contract 31/12.03.2010, Monitorizarea factorilor de mediu prin metode fizico-chimice, Beneficiar SC NEFROMED SRL, membru
9. Contract 100/04.08.2010, Monitorizarea factorilor de mediu prin metode fizico-chimice, Beneficiar SC SLEEVES TECHNOLOGY SRL, membru
10. Contract 77/31.05.2010, Monitorizarea calității aerului în spații închise”, Beneficiar SC SMITHFIELD FERME SRL, membru
11. Contract 302/09.01.2012, Monitorizarea calității apei utilizată la dializă, Beneficiar SC NEFROMED SRL, membru

-
12. Contract 301/03.01.2012, Monitorizarea calității apei utilizată la dializă, Beneficiar SC VAMAGO SRL, membru
 13. Contract BC122/16.10.2012, Studii privind controlul calității materiilor prime, produsului finit și a factorilor de mediu prin metode fizico-chimice”, Beneficiar SC WERCO METAL SRL, membru
 14. Contract 37/24.04.2012, Monitorizarea parametrilor fizico-chimici ai apelor evacuate, Beneficiar SC MOLDOMIN SA, membru
 15. Contract BC 2/07.01.2013, Monitorizarea calității apei utilizată la dializă, Beneficiar SC NEFROMED SRL, membru
 16. Contract BC 1/07.01.2013, Monitorizarea calității apei utilizată la dializă, Beneficiar SC VAMAGO SRL, membru
 17. Contract BC 2/07.01.2014, Monitorizarea calității apei utilizată la dializă, Beneficiar SC
 18. NEFROMED SRL, membru
 19. Contract BC 44/20.04.2015, Tehnici de testare a unor echipamente in vederea indepartarii compusilor toxici din aer proveniti din aplicatiile industriale si casnice, Beneficiar S.C. DITTO S.R.L., **director**
 20. Contract BC 139/ 04.12. 2014, Caracterizarea fizico-chimica a zacamantului de calcar din zona Dognecea, Beneficiar S.C. Realitas Investments S.R.L., membru
 21. Contract BC 1/05.01.2015, Monitorizarea calității apei utilizată la dializă, Beneficiar SC. NEFROMED SRL, **director**
 21. Contract BC 106/16.09.2014, Controlul calitatii deseurilor provenite din procesul tehnologic, Beneficiar S.C. Flextronics S.R.L., **director**
 22. Contract BC 20/31.01.2014, Controlul calitatii produselor si a materiilor prime, Beneficiar S.C. Heraeus Romania S.R.L., membru