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Poziția didactică: șef lucrări doctor

Domenii de competență (direcții de cercetare): combinații complexe ale metalelor din grupa IV a (14) cu liganzi proveniți de la izatină, sinteză fină anorganică, poluarea mediului, măsurători spectrale (IR, UV-VIS, RMN, fluorescență de raze X).

Cursuri predate: Poluarea cu metale grele

Lista de lucrări

1. Comportarea în câmp ultrasonic a sistemului sulfat de sodiu-hidrogen sulfurat – N. Popa, D. Negoiu, T. Roșu, C. Pârnău, *Revista de Chimie*, 51(5), 337-340, 2000
2. Combinații complexe cu izonitrozoacetanilide. Sinteza dirijată și caracteristici structurale ale combinațiilor complexe ale Co(II), Ni(II) și Cu(II) – A. Kriza, C. Pârnău, M. Dianu, G. Loloiu, *Simpozionul Național de Chimie (XXVI), Călimănești-Căciulata, România, 2000*
3. Combinații complexe ale Zr(IV) și Sn(IV) cu 1-H-indol-2,3-diona și baze Schiff derivate – A. Kriza, C. Pârnău, *Simpozionul Național de Chimie (XXVI), Călimănești-Căciulata, România, 2000*
4. Combinații complexe cu 1-H-indol-2,3-diona – A. Kriza, C. Pârnău, N. Popa, *Revista de Chimie*, 52(6), 346-348, 2001
5. Complexes of tin(IV) with some bidentate Schiff Bases derived from 1-H-indol-2,3-dione – A. Kriza, C. Pârnău, *Acta Chemica Slovenica*, 48, 445-452, 2001
6. Coordination compounds of triazenyylimidazoles derivatives with some 3d metal ions – F. Zălaru, D. Ionescu, Ch. Zălaru, C. Pârnău, *Anal. Univ. București, Ser. Chimie*, X(I), 9-18, 2001
7. Synthesis and characterization of Sn(IV) and Zr(IV) complexes with Schiff Bases derived from isatin and aromatic amines – A. Kriza, C. Pârnău, D. Gavrilu, *12th Romanian International Conference on Chemistry and Chemical Engineering*, 374-378, 2001
8. Complexes of Sn(IV) and Zr(IV) with a Schiff Base ligand derived from isatin and *o*-aminophenol – A. Kriza, C. Pârnău, N. Popa, *Anal. Univ. București, Ser. Chimie*, XI(I), 191-197, 2002
9. Studies on complex combinations of some divalent transition metals with N, N'[2,2'-bis-thienylmethylidene]tolilene – C. Spînu, A. Kriza, C. Pârnău, *J. Indian Chem. Soc.*, 79, 2002
10. Synthesis and stability in physiological-like conditons of some new compounds with potential antioxidant activity – V. Pop, C. Pârnău, M. Iliș, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millenium - an Enless frontier*, Bucharest, Romania, September 22-25, II, 214, 2002

11. Isatin isonicotinoyl hydrazone complexes of Sn(IV), Ti(IV) and Zr(IV) – C. Pârâu, A. Kriza, V. Pop, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millenium - an Enless frontier*, Bucharest, Romania, September 22-25, II, 312, 2002
12. Mg(II), Fe(II), Co(II), NI(II) and Zn(II) complexes with Schiff bases derived from paludrine or dimethylbiguanidine and acetylacetone – E. Cristurean, D. Marinescu, R. Olar, M. Badea, V. Pop, C. Pârâu, E.E. Iorgulescu, *3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millenium - an Enless frontier*, Bucharest, Romania, September 22-25, II, 316, 2002
13. Complexes of Ti(IV) and Zr(IV) with some bidentate Schiff Bases derived from isatin – A. Kriza, C. Pârâu, F. Zălaru, A.F. Kriza, *Anal. Univ. București*, XI(II), 37-43, 2002
14. Controlled synthesis I. Reaction of Sn(IV) and Zr(IV) with Schiff Bases derived from 1-H-2,3-dione and diamines – A. Kriza, C. Pârâu, N. Popa, T. Roșu, *Anal. Univ. București*, XIII(I,II), 155-159, 2004
15. Controlled synthesis II. Reaction of Sn(IV) and Zr(IV) with isatin-3-tiosemicarbazona and N-metil isatin-3-tiosemicarbazona – E. Cristurean, C. Pârâu, M. Badea, R. Olar, *Anal. Univ. București*, XIII(I,II), 179-183, 2004
16. Composes complexes ayant comme ligands des produits de condensation des α -aminoacides naturels avec indol-2,3 dione – C. Pârâu, V. Pop, M. Iliș, A. Kriza, *3^{ème} Colloque franco-roumain de chimie appliquée*, Slănic Moldova, Bacău, Roumanie, 22-26 Septembre, 103, 2004
17. Nouveaux composé a activité antioxydante potentielle. Synthèse, caractérisation, études de stabilité – V. Pop, M. Iliș, C. Pârâu, A. Kriza, *3^{ème} Colloque franco-roumain de chimie appliquée*, Slănic Moldova, Bacău, Roumanie, 22-26 Septembre, 113, 2004
18. Thermal behaviour of new isatin complexes having antibacterial activity - C. Pârâu, R. Olar, St. Stoleriu, A. Kriza, *7th Mediterranean Conference on Calorimetry and Thermal Analysis*, Thessaloniki, Greece, 2-6 July, 99, 2005
19. Complexes of tin(IV) and zirconium(IV) with tetradentate Schiff Base ligands derived from isatin – C. Pârâu, A. Kriza, V. Pop, S. Udrea, *J. Indian Chem. Soc.*, 82, 1-3, 2005
20. Thermal behaviour of new N,N-dimetylbiguanide complexes having selective and effective antibacterial activity- R. Olar, M. Badea, E. Cristurean, C. Pârâu, D. Marinescu, *Journal of Thermal Analysis and Calorimetry*, 84, I, 53-58, 2006
21. Thermal behavior of some new isatin complexes-C. Pârâu, Rodica Olar, Mihaela Badea, A. Kriza, *Journal of Thermal Analysis and Calorimetry*, 86, I, 217-221, 2006
22. Combinaisons complexes du cuivre(II) et nickel(II) avec amides potentiels bioactives – synthese et caracterisation spectrale - C. Pârâu, Rodica Olar, Mihaela Badea, C. Paraschivescu, *4^{ème}*

Colloque franco-roumain de chimie appliquée, Clermont-Ferrand, France, 28-30 Juin, 126-7, 2006

23. Nouvelles combinaisons complexes des lanthanides avec le N, N-diméthylbiguanide - Rodica Olar, Mihaela Badea, D. Marinescu, C. Pârânu, *4^{ème} Colloque franco-roumain de chimie appliquée*, Clermont-Ferrand, France, 28-30 Juin, 2006