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Data nașterii: 01.01.1951;

Poziția didactică: Profesor, Doctor.

Domenii de cercetare:

*Chelati simpli si complecsi cu activitate biologica;

*Dezvoltarea unor abordari sistematice a design-ului complexilor noi, ca potientiale medicamente ;

*Termocromismul compusilor anorganici, proprietati electrice, variatia mobilitatii unor ioni metalici în diferite structuri cristaline;

*Studiul compusilor anorganici cu geometrie bipiramidal trigonala, dezvoltarea *modelului celular* al câmpului liganzilor;

Cursuri predate: Chimie Generala, anul I - Chimie

Chimia Nemetalelor, anul I - Chimie

Monografii, articole, elaborate ca autor, prim-autor sau coautor si publicate in edituri, reviste de specialitate.

A. Carti, monografii tiparite in edituri cu cod ISBN

1. Maria Negoiu, T. Rosu; *Sulfur*, Editura Universitatii din Bucuresti, 2002, ISBN 973-558-005-5

2. N. Popa, T. Rosu; *Chimie Anorganica – partea I*, Editura Universitatii din Bucuresti, 2001, ISBN 973 -575 -571 -8

3. T. Rosu, Maria Negoiu; *Bazele Chimiei Anorganice. Orbitali. Legatura Chimica*, Editura Universitatii din Bucuresti, 1999, ISBN 973-99407-5-7/1999

4. Maria Negoiu, T. Rosu, Anca Emandi, Veronica Pop, Mirela Calinescu; *Indrumar de Laborator*, Editura Universitatii din Bucuresti, 1997, ISBN 973-575-073-2

5. T. Rosu, Maria Negoiu; *Teoria Electronica a Combinatiilor Complexe – Caiet de lucrari practice*, Editura Universitatii din Bucuresti, 1996, ISBN973 – 575 – 069 - 4

6. Maria Negoiu, T. Rosu, Anca Emandi, Mirela Calinescu; *Chimie Anorganica - Caiet de lucrari practice*, Editura Universitatii din Bucuresti, 1994, ISBN 973-9160-57-3

B. Brevete

1.C. Moldoveanu, M. D. Pasca, T. Rosu, L. Jipa ; *Produs medicamentos antiinfectios de uz veterinar* Nr. 98055/23.03.1989. Certificat de inovator nr. 98055

2. Gulea A., Roșu T., Cotovaia A., Poirier D., Roy J., Țapcov V. *Inhibitor al leucemiei mieloide umane pe baza de bis(2-hidroxi -8-fenil-triciclo/7.3.1.0.^{2,7}/ tridecan-13-on-tiosemicarbazono)-cupru* // MD nr. 3655, Publ BOPI nr.7/2008, p. 36.

C. Lucrari publicate

3. T. Rosu, M. Negoiu, I. Strenger, U. Muller; Synthese und Kristallstruktur von bis(1,2-dimethyl-5-nitroimidazol)dichloro -cobalt(II), *Zeitschrift für anorganische und allgemeine Chemie*, 1997,623, 1201-1202

4. I. Strenger, T. Rosu, M. Negoiu; Structure of cis-bis(2,2'-bipyridil)-dichloro-cobalt(II) chloride dihydrate, *Zeitschrift für Kristallographie - New Crystal Structures* 2000, 215, 489-490

5. T. Rosu, V. Cârçu, M. Negoiu, O. Maior, N. Badicu; Some new N-Benzoyl-N'-substituted phenylthioureas complexes of copper(II), *Southern Brazilian Journal of Chemistry*, 1997, 5(5), 43-49

6. M. Negoiu, T. Rosu, L. Stoicescu, V. Cârçu, M. Contineanu, Some complexes of copper(II) with N,N'-disubstituted dithiooxamides derived from α -aminoacids and α -aminoacid esters, *Southern Brazilian Journal of Chemistry*, 1998, 6(7), 17-25

7. M. Gavrilă-Handrea, T. Rosu, M. Negoiu; Caracterisation de complexes de Vanadium(III) presentant une geometrie de bipyramide- trigonale, *Journal de Chimie Physique* 1999,96, 245-258

8. M. Negoiu, V. Cârçu, T. Rosu, S. Serban; Synthesis, characterization of complexes of N-Benzoyl-N'-2-Nitro-4-methoxyphenil- Thiourea with Cu(II), Ni(II), Pt(II), Pd(II), Cd(II) and Hg(II), *Journal of Thermal Analysis and Calorimetry* , 2000,vol. 61, 935-945

9. V. Cârçu, M. Negoiu, T. Rosu, L. Stoicescu, R. Georgescu; Synthesis and EPR characterization of a series of Cu(II) complexes with 2,2'-diamino- 4,4'-bithiazole and 2,2'-bisacetamido-4,4'-bithiazole, *Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry*, 2000, 30(9), 1653-1666

10. D. Negoiu, M. Calinescu, A. Emandi, T. Rosu; Synthesis and structural characterization of N- (2''- hydroxy -1'- Naphthalen methin) - 2 - aminoaniline complexes, *Southern Brazilian Journal of Chemistry*, 2000, vol. 8, nr. 9, 57 –69.

11. T.Rosu, M. Negoiu, V. Carcu, A. Gulea; Синтез и характеристика некоторых комплексных соединений, содержащих анион $[\text{CuCl}_4]^{2-}$. *Analele Stiintifice ale U S M, Seria Stiinte Chimico-Biologice*, ISSN 1811-2617, 2005, 526-536.
12. Tudor Rosu, Maria Negoiu and Viorel Circu; Mixed-ligand complexes; Ternary Cu(II) complexes with amino acids. *Revue Roumaine de Chimie*, 2006, 51(5), 391-396.
13. T. Rosu, M. Negoiu, A. Gulea, V.Cârcu; Complex of $3d^n$ metal ions with thiosemicarbazones. *Analele Stiintifice ale U S M, Seria Stiinte Chimico-Biologice*, ISSN 1811-2617, 2006, 439-447
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15. A. S. Kotovaya , S. G. Shova, Yu. A. Simonov, T. Roshu, I. Sandu, and A. P. Gulya
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Russian Journal of Coordination Chemistry, 2006, Vol. 32, No. 11, pp. 841–847. *Original Russian Text* © A.S. Kotovaya, S.G. Shova, Yu.A. Simonov, T. Roshu, I. Sandu, A.P. Gulya, 2006, published in *Koordinatsionnaya Khimiya*, 2006, Vol. 32, No. 11, pp. 874–880.
16. Tudor Rosu, Simona Pasculescu, Veronica Lazar, Carmen Chifiriuc and Raluca Cernat ;
Copper(II) Complexes with Ligands Derived from 4-Amino-2,3-Dimethyl-1-phenyl-3-pyrazolin-5-one: Synthesis and Biological Activity; *Molecules* 2006,11, 904-914
17. Tudor Rosu, Aurelian Gulea, Anca Nicolae, Rodica Georgescu; Complexes of $3d^n$ Metal Ions with Thiosemicarbazones:Synthesis and Antimicrobial Activity; *Molecules* 2007, 12, 782-796
- 18.M. Angelusiu, G.L. Almajan, T. Rosu, M. Negoiu, E.R. Almajan, J. Roi; Copper(II) and uranyl(II) complexes with acylthiosemicarbazide. Synthesis, characterization, antibacterial activity and effect on the growth of promyelocytic leukemia cells HL-60; *European Journal of Medicinal Chemistry*, doi: 10.1016/j.ejmech. 016.03. 2009.
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24. T. Rosu, D. Negoiu; Determinarea parametrilor reticulari ai unitatii celulare pentru combinatiile anorganice de tipul M_xHgI_4 , (M = Tl^+ , Pb^{2+} , Cd^{2+}). II., *Revista de Chimie*, 1988, 39(2), 170-174
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