

CALINESCU MIRELA-MARIA**E-mail:** mirela_calinescu@hotmail.com**Data nașterii :** 15.08.1959**Poziție didactică:** Conferențiar doctor**Domenii de competență :**

-Sinteză fină anorganică, sinteză dirijată de combinații complexe (în mod special combinații complexe cu azometine și hidrazone ale ionilor metalici din seria 3d și ai lantanidelor) ;

-măsurători spectrale (IR, UV-VIS, RPE) și interpretarea rezultatelor ;

-parametrizarea câmpului liganzilor în combinațiile complexe;

-sinteza de combinații complexe biologic active, corelații structură-activitate biologică;

-sinteza de monomeri metal-complecși;

-sinteza de combinații complexe ale lantanidelor cu proprietăți luminescente.

Cursuri predate actual: Chimie – la Facultatea de Geologie și Geofizică.**Lucrări publicate***În reviste din străinătate:*

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3. D. Negoiu, **M. Călinescu**, A. Emandi, E. Bădău, *Synthesis and structural characterization of Cr(III), Co(II), Ni(II) and Cu(II) complexes with salicylaldehyde-N-[4-(4'-chlorophenylene sulfonyl)benzoyl]hydrazone*, Russ. J. Coord. Chem., **1999**, 25(1), 40-46.
4. **M. Călinescu**, A. Emandi, A. Nicolae, L. Paruta, *Magnetic and spectral studies on chromium(III), nickel(II) and copper(II) complexes of 4-hydroxy-5-methoxy isophthalaldehyde bis dimethylhydrazone*, South. Braz. J. Chem., **2000**, 8(9), 71-84.
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7. A. Emandi, M. Negoiu, **M. Călinescu**, Ș. Constantinescu, A. Gulea, *The new Fe(III) complexes with azo dyes (ONO) ligands*, Anal. St. Univ. Chisinau Moldova, **2001**, 256 – 266.

8. E. Ion, **M. Călinescu**, I. Șerban, D. Donescu, E. Barna, T. Ionescu, A. Meghea, A. Emandi, *Synthesis and fluorescent properties of Eu(III), Tb(III), Gd(III), Sm(III), Dy(III), Ho(III) azo-polymer complexes containing 1,10-phenantroline and allylacetoacetate as ligands*, *Nonlinear Optics*, **2001**, 27, 423 -437.
9. **M. Călinescu**, A. Emandi, V. Pop, E. Ion, *Paramétrisation du champ des ligands dans les combinaisons complexes du Ni(II) avec p-diméthyleamino-benzaldéhyde-benzthiazolyl hydrazone*, *J. Univ. Chem. Tech. Met. (Sofia)*, **2002**, 37, 101 -106.
10. V. Pop, **M. Călinescu**, A. Meghea, M. Vieru, *Nouveaux composés du cuivre(II) avec potentielle activité antioxydante ; synthèse, caractérisation, études de stabilité en milieu physiologique et du caractère lipophile*, *J. Univ. Chem. Tech. Met. (Sofia)*, **2002**, 37(5), 107-114.
11. **M. Călinescu**, V. Pop, A. Nicolae, *Combinaisons complexes des lanthanides avec des propriétés luminescentes*, *J. Univ. Chem. Tech. Met. (Sofia)*, **2002**, 37(5), 93-100.
12. **M. Călinescu**, A. Emandi, I. Șerban, V. Pop, *Synthesis and spectroscopic studies of copper(II) and cobalt(II) complex compounds with 4-methoxybenzaldehyde-N-[4-(4'-chlorophenylsulfonil)benzoyl] hydrazone*, *Synth. React. Inorg. Met.-Org. Chem.*, **2003**, 33(10), 1927-1941.
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14. A. Emandi, **M. Călinescu**, C. Ciomaga, *Electronic studies of the new 2 :1 Cu(II) complexes of 4-arylazo-pyrazol-5-one dyes*, *Mol. Cryst. Liq. Cryst.*, **2004**, 416, 13-30.
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16. A. Emandi, **M. Călinescu**, A. Meghea, *Effets of added metal ions on the behaviour of the azo chromophore in heterocyclic copolymers*, *Nonlinear Optics, Quantum Optics*, **2005**, 32, 269 -284.
- În țară :
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18. D. Negoiu, **M. Călinescu**, F. Neacșu, *Tetragonally distorted Ni(II) complexes with cyclohexanoneseemicarbazone and cyclohexanonethiosemicarbazone*, *Anal. Univ. București, anul I (serie nouă) -1992*, 27-32.
19. D. Negoiu, A. Emandi, L. Paruta, R. Marchidan, **M. Călinescu**, *Combinații complexe ale Pd(II) și Pt(II) cu derivați ai arilidelor acidului 3-hidroxi-2-naftoic*, *Rev. Chim. (București)*, **1996**, 47, 823 - 830.
20. D. Negoiu, A. Emandi, **M. Călinescu**, L. Frunză, L. Paruta, *Some transition metal complexes derived from arylides of 2-hydroxy-3-naftoic acid*, *Anal. Univ. București*, **1996**, 5, 17 - 22.

21. D. Negoiu, **M. Călinescu**, S. Dumitrache, L. Paruta, A. Emandi, *Combinaisons complexes du praséodyme et du samarium avec des bases de Schiff*, Anal. Univ. București, **1996**, 5, 9 -16.
22. D. Negoiu, A. Emandi, **M. Călinescu**, T. Roșu, R. Marchidan, L. Paruta, *Combinații complexe ale Fe(II), Fe(III), Co(II), Co(III) cu derivați ai arilidelor acidului 2-hidroxi-3-naftoic*, Rev. Chim. (București), **1997**, 48, 26 - 32.
23. D. Negoiu, **M. Călinescu**, A. Emandi, T. Roșu, L. Paruta, *Combinații complexe ale Cu(II), Ni(II), Co(II) cu 4-metoxibenzaldehid-semicarbazona și 4-metoxibenzaldehid-tiosemicarbazona*, Rev. Chim. (București), **1997**, 48, 300-305.
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30. **M. Călinescu**, E. Ion, A. Emandi, I. Serban, D. Negoiu, R. Georgescu, *Synthesis, characterization and ligand field parametrization in complex compounds of Ni(II) and Cu(II) with hydrazone Schiff bases*, The 12th Romanian International Conference of Chemistry and Chemical Engineering, **2001**, 368-372.
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34. A. Emandi, **M. Călinescu**, N. Iftimie, *Complexes with mixed (OO) and (ONO) donor groups. Part I. Synthesis and characterization of Ni(II), Pt(IV), Cu(II), VO(IV) new complexes with 1-phenyl-3-methyl-4-azo-(2'-carboxy-phenyl)-pyrazol-5-one and allylacetoacetate as ligands*, Rev. Chim. (București), **2003**, 54(7), 569 - 572.
35. A. Emandi, **M. Călinescu**, N. Iftimie, *Complexes with mixed (OO) and (ONO) donor groups. II. Synthesis and characterization of new complexes of VO(IV), Fe(III), Co(II), Ni(II), Cu(II), Zn(II) with 1-phenyl-3-methyl-4-azo-(2'-carboxy-phenyl)-pyrazol-5-one, 1-(2'-benzthiazolyl)-3-methyl-4-azo-(4''-nitro-phenyl)-pyrazol-5-one and allylacetoacetate as ligands*, Rev. Chim. (București), **2003**, 54(8), 661 - 665.
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37. **M. Călinescu**, A. Emandi, *Complexes dimères du cuivre(II) avec N-benzoyle-N'-p-tolile thiourée*, U. P. B. Sci. Bull. Series B, **2003**, 65(1), 11-18.
38. **M. Călinescu**, E. Ion, D. Negoiu, A. Emandi, *Combinaisons complexes du nickel(II) avec salicylaldehyde benzothiazolyl hydrazone. Synthèse, caractérisation et paramétrisation du champ des ligands*, Anal. Univ. Bucuresti, **2004**, I-II, 147-154.
39. A. Emandi, **M. Călinescu**, M. Badea, R. Olar, *Synthesis and characterization of some new metal complexes of 3-nitrozo-4-hydroxy-coumarin and antranilic acid*, Anal. Univ. București, **2004**, I-II, 161-166.
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41. **M. Călinescu**, E. Ion, A. Emandi, R. Georgescu, T. Negreanu-Pîrjol, *Magnetic, optical and biological studies on copper(II) complexes with 2-benzothiazolyl hydrazones. Part I.*, Rev. Chim. (București), **2006**, 57(12), 1258-1261.
42. E. Ion, **M. Călinescu**, A. Emandi, V. Badea, D. Negoiu, *Copper(II) complex compounds with mixed hydrazone ligands*, Rev. Chim. (București), **2008**, 59(1), 12-16.
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- 2. Bases de la chimie inorganique**, Ed. Univ. București, 2001, 300 pagini, Mirela Călinescu, Ileana Șerban
- 3. Chimie des non-métaux**, Ed. Univ. București, 2004, 412 pagini, Ileana Șerban, Mirela Călinescu
- 4. Chimie – pentru studenții Facultății de Geologie și Geofizică**, Ed. Univ. București, 2008, 277 pagini, Mirela Călinescu
- 5. Caiet de lucrări practice de chimie anorganică**, Ed. Univ. București, 1994, Maria Negoiu, T. Roșu, Ana Emandi, Mirela Călinescu
- 6. Îndrumar de laborator. Partea a-II-a**, Ed. Univ. București, 1997, Maria Negoiu, T. Roșu, Veronica Pop, Ana Emandi, Mirela Călinescu
- 7. Travaux pratiques de chimie générale**, Ed. Univ. București, 1998, Ileana Șerban, Mirela Călinescu
- 8. Travaux pratiques de chimie des non-métaux**, Ed. Univ. București, 1999, Mirela Călinescu, Ileana Șerban
- 9. Chimie des métaux. Expériences et problèmes**. Ed. Univ. București, 2003, Veronica Pop, Mirela Călinescu