

CURRICULUM VITAE

Nume și prenume: STĂNCULESCU IOANA

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Locul și data nașterii: Pitești, jud. Argeș, 25.02.1976

Titluri științifice: doctor

Grad didactic: lector

Domenii de competență:

- 1. Spectroscopie moleculară (FTIR, FT-Raman, RMN)**
- 2. Chimie computațională**

Cursuri ținute:

- Structura moleculara, an II**
- Relații structură toxicitate la poluanții industriali, An III**
- Interactions moléculaires, master an II**
- Informatique appliquée en chimie, an III**
- Terminologie en chimie organique physique, master an II**
- Informatica aplicată în chimie, an III**
- Tehnici avansate de caracterizare spectrală, master an II**

Organizații profesional – științifice

- 1. Societatea de Chimie din Romania**
- 2. International Society of Computational Biology**
- 3. International Research Group on Wood Preservation**
- 4. Editorial Board Analele Universității București. Chimie**
- 5. Professional Women's Advisory Board, American Biographical Institute**
- 6. American Association for the Advancement of Science**

Cărți publicate

1. I. STĂNCULESCU, G. VERGOTEN, C. MANDRAVEL, Interactions moléculaires. Applications aux médicaments, Ed. Univ. Buc., 2007, 186 p, ISBN 9789737373441.
2. V. CHIOSA, I. STĂNCULESCU, C. MANDRAVEL, Evaluarea toxicității poluanților atmosferici din date fizico-chimice, Ed. Univ. Buc., 2007, 168 p, ISBN 9789737372659.
3. V. CHIOSA, I. STĂNCULESCU, C. MANDRAVEL, Structură moleculară, Ed. Univ. Buc., 2006, 248 p, ISBN 973737121-6.
4. C. MANDRAVEL, I. STĂNCULESCU, Interactions moléculaires, Ed. Univ. Buc., 2004, 145 p, ISBN 973-575-843-1.

Articole

1. M. MANEA, V. CHIOSA, I. STĂNCULESCU, C. MANDRAVEL, IR spectral study on nature of 2 – pyridine aldoxime methyl chloride interaction with some sterols. III. Lanosterol and 7-dehydrocholesterol, Rev. Roum. Chim., 54, 4, 2009
2. I. DOBRICA, P. BUGHEANU, I. STANCULESCU, C. PONTA, FTIR spectral data of wood used in romanian traditional village constructions, C Anal. Univ. Buc. Chimie XVII, I, 33-37, 2008
3. I. STANCULESCU, M. VIRGOLICI, M. MANEA, C. PONTA, Raman study of decayed wood samples, Anal. Univ. Buc. Chimie, XVII, II, 41-45, 2008
4. V. CHIOSA, I. STANCULESCU, Designing laboratory environment and experiments for some disciplines correlated with structure, pollutants toxicity and molecular interactions study, Anal. Univ. Buc. Chimie, XVII (II), 2008, 53-60
5. M. MANEA, V. CHIOSA, C. MANDRAVEL, I. STĂNCULESCU, IR spectral study on nature of 2-pyridine aldoxime methyl chloride interaction with some sterols. II. Cholestanol, Rev. Roum. Chim., 2007, 52, 8-9, 739-743.
6. I. STANCULESCU, D. LANDY AND G. SURPATEANU, UV-VIS spectral study of some calcium channel blockers supermolecular complexes, Anal. Univ. Buc. Ser. Chem., 2007, XVI, I, 37
7. V. CHIOSA, C. MANDRAVEL, C. TEODOREANU, I. STĂNCULESCU, Comparison of QSPR Properties for Cholesterol and Cholestanol Oligomeric Association Forms, Rev. Roum. Chim., 2006, 51, 2, 135-140.
8. I. STANCULESCU, M. MANEA, V. CHIOSA, C. MANDRAVEL, A theoretical approach to molecular interaction between cholesterol and 2-pyridine aldoxime methyl chloride, Anal. Univ. Buc. Ser. Chim., 2006, XV, vol. II, 43-48

9. C. MANDRAVEL, V. CHIOSA, C. TEODOREANU, I. STĂNCULESCU, IR Spectral and Theoretical Study Concerning the Nature of Oligomeric Association Forms in Some Sterols Solutions. II. Cholesterol, *Rev. Roum. Chim.*, 2005, 50 (7,8) 683-688.
10. V. CHIOSA, C. TEODOREANU, I. STANCULESCU, C. MANDRAVEL, IR Spectral and Theoretical Study Concerning the Nature of Oligomeric Association Forms in Some Sterols Solutions. II. Cholestanol, *Anal. Univ. Buc. Ser. Chim.*, 2005, 247-252.
11. C. MANDRAVEL, I. STANCULESCU, V. CHIOSA, C. TUTUIANU, A. GIMIGA, Molecular Modeling of Some Chemiluminescent Systems Used as Cold Light Devices, *Ann. West Univ. Tim., Ser. Chem.* 14 (1), 2005, 67-76.
12. A. BLEOTU, I. STANCULESCU, C. MANDRAVEL, The Reactivity and Biological Activity of Some Iridoid Glycosides, *Ann. West Univ. Tim., Ser. Chem.* 14 (2), 2005, 215-220.
13. V. CHIOSA, G. BRATU, I. STANCULESCU, Experimental and Theoretical Study of the Ethacridine Lactate - An Antiseptic Remedy, *Ann. West Univ. Tim., Ser. Chem.* 14 (2), 2005, 173-178.
14. A. THEVAND, I. STĂNCULESCU, C. MANDRAVEL, P. WOISEL, G. SURPATEANU, Total Assignment and Structure in Solution of Tetrandrine by NMR Spectroscopy and Molecular Modeling, *Spectroch. Acta A*, 2004, 60, 1825-1830.
15. C. MANDRAVEL, V. CHIOSA, I STANCULESCU, Actual Trends in Computational Toxicology I. Using Physical-Chemical Data to Evaluate the Acute Toxicity (LD50), *Anal. Univ. Buc. (XIII)*, 2004, I-II, 229-232.
16. I. STĂNCULESCU, C. MANDRAVEL, D. LANDY, P. WOISEL, G. SURPATEANU, Complexation of Tetrandrine with Calcium Ion Probed by Various Spectroscopic Methods and Molecular Modeling, *J. Mol. Struct.*, 2003, 655, 81-87.
17. I. STĂNCULESCU, C. MANDRAVEL, F. DELATTRE, D. LANDY, P. WOISEL, G. SURPATEANU, Cation Binding Characteristics of Tetrandrine Studied by UV-Vis Absorption and Fluorescence Spectroscopies, *J. Photochem. Photobiol. A*, 2003, 161, 79-85.
18. I.G. BRATU, V. CHIOSA, I. STANCULESCU, D. ZAHARIA, C. MANDRAVEL, IR Spectral and Modeling Study Concerning an Antisilicotic Drug: L-Aluminium Lactate, *Anal. Univ. West Tim., Ser. Chem.*, 2003, 12 (3), 1-10.
19. C. MANDRAVEL, I. STĂNCULESCU, IR Variable Temperature Spectroscopy and Theoretical Study Concerning Decomposition of 1,2,3,4-Tetrahydronaphtalil hydroperoxide, *Rev. Roum. Chim.*, 2002, 47(1-2), 63-66.

20. C. MANDRAVEL, M. DEACU, I. STANCULESCU, IR Variable Temperature Spectroscopy (I). Hydrogen Bonding in 1,2,3,4- Tetrahydronaphthalil Hydroperoxide, Anal. Univ. Buc. Ser. Chem., 2002, XI(I), 97-100.
21. I. STANCULESCU, G. SURPATEANU, D. LANDY, P. WOISEL, C. MANDRAVEL, Etude par résonance magnétique nucléaire sur les complexes de la tetrandrine avec l'ion de calcium. L'influence de l'anion de couplage, J. Univ. Chem. Tech. Metall., 2002, XXXVIII, 121-128.
22. C. MANDRAVEL, I. STĂNCULESCU, Theoretical Study on the Pharmacophore Properties of Some Bisbenzylisoquinoline Alkaloids as Calcium Channel Blockers, Rev. Roum. Chim., 2002, 47, 799-804.
23. C. MANDRAVEL, I. STANCULESCU, Some Contributions to the Study of Electrochemical Properties and Electronic Structure of Tetrandrine, Ann. West Univ. Tim. Ser. Chem., 2001, 10, 961-962.
24. C. BENDIC, C. POPESCU, V. CHIOSA, I. STANCULESCU, C. MANDRAVEL, Electronic Structure of Some Cholesterol Derivatives, Anal. Univ. Buc. Ser. Chem., 2001, X(1), 19-25.
25. M. CHIVU, I. BACIU, V. CHIOSA, I. STANCULESCU, C. BENDIC, C. POPESCU, C. MANDRAVEL, ORD and Conformational Study on Some New Cholesteric Compounds, Anal. Univ. Buc. Ser. Phys., 2000, 125-130.