

Articole publicate în 2021**Articole în reviste ISI din străinătate**

1. Reactivity of a carbonyl moiety in organotin(IV) compounds. Novel Pd(II) and Cu(II) complexes supported by organotin(IV) ligands, A.-A. Someșan, **C. Silvestru** and R. A. Varga, *New J. Chem.*, **2021**, **45**, 3817-3827. DOI: 10.1039/D0NJ06016J
2. Fluorescent orthopalladated complexes of 4-arylidene-5(4*H*)-oxazolones from the Kaede protein: synthesis and characterization, E. Laga, D. Dalmau, S. Arregui, O. Crespo, A. I. Jiménez, A. Pop, **C. Silvestru** and E. P. Urriolabeitia, *Molecules*, **2021**, **26**, 1238 (20 pag.). (*Influencers in Organometallic Chemistry – A Themed Issue Honoring Dr. Michel Pfeffer*). DOI: 10.3390/molecules26051238
3. Synthesis and characterization of ternary graphene oxide, MnFe₂O₄ nanoparticles, and PAMAM dendrons nanocomposite decorated with palladium as heterogeneous catalyst for nitroaromatics reduction, A. Ramezanpour, K. Karami, M. Kharaziha, **C. Silvestru** and P. Bayat, *Appl. Organomet. Chem.*, **2021**, **35**, e6329. DOI: 10.1002/aoc.6329
4. Synthesis and characterization of [4-((CH₂O)₂CH)C₆H₄]₂Hg, [4-(O=CH)C₆H₄]₂Hg and [(*E*)-4-(RN=CH)C₆H₄]₂Hg (R = 2'-py, 4'-py, 2'-pyCH₂, 4'-pyCH₂), L. Kiss, A. Pop, S. Shova, C. I. Raț and **C. Silvestru**, *Appl. Organomet. Chem.*, **2021**, **35**, e6339. DOI: 10.1002/aoc.6339
5. Reactivity of (*Z*)-4-arylidene-5(4*H*)-thiazolones: [2+2]-photocycloaddition, ring-opening reactions, and influence of Lewis Acid BF₃, S. Sierra, D. Dalmau, S. Higuera, D. Cortés, O. Crespo, A. Jimenez, A. Pop, **C. Silvestru** and E. P. Urriolabeitia, *J. Org. Chem.*, **2021**, **86**, 12119-12140. DOI: 10.1021/acs.joc.1c01458
6. Synthesis, physicochemical properties, crystal molecular structure and DFT investigation of an organobismuth(III) bis(dimethyldithiocarbamate), Anton, A. Soran and **C. Silvestru**, *J. Mol. Struct.*, **2021**, **1247**, 131335. DOI: 10.1016/j.molstruc.2021.131335
7. Coordination behavior of PPh₂{C₆H₄[CH₂N(CH₂CH₂)₂O]-2}. Case study CdCl₂[PPh₂{C₆H₄[CH₂N(CH₂CH₂)₂O]-2}], A. Covaci, **C. Silvestru** and A. Silvestru, *Main Group Met. Chem.*, **2021**, **44**, 261-266. DOI: 10.1515/mgmc-2021-0029
8. Synthesis, structural characterization and *in vitro* antiproliferative effects on carcinoma cells of novel organotin(IV) compounds with nicotinate and isonicotinate moieties, S.-M. Vieriu, A.-A. Someșan, **C. Silvestru**, E. Licarete, M. Banciu and R. A. Varga, *New J. Chem.*, **2021**, **45**, 1020-1028. DOI: 10.1039/D0NJ05069E

9. Pd-oxazolone complexes conjugated to an engineered enzyme: improving fluorescence and catalytic properties, C. Garcia-Sanz, A. Andreu, B. de las Rivas, A. I. Jiménez, A. Pop, **C. Silvestru**, E. P. Urriolabeitia and J. M. Palomo, *Org. Biomol. Chem.*, **2021**, *19*, 2773-2783. DOI: 10.1039/d1ob00305d

Articole în reviste ISI din România

1. New hypercoordinated triaryltelluronium derivatives of organophosphorus ligands. Synthesis and structural characterization, E. Denes, M. Vlassa, **C. Silvestru** and A. Silvestru, *Rev. Roum. Chim.*, **2021**, *66*, 33-40. (Nr. omagial Mihaela HILLEBRAND, Mc AR). DOI: 10.33224/rrch.2021.66.1.03
2. {2,6-Bis[(dimethylamino)methyl]phenyl}mercury(II) acetate, [2,6-(Me₂NCH₂)₂C₆H₃]Hg(OAc) – a useful intermediate for selective palladation of 1,3-(Me₂NCH₂)₂C₆H₄, L. Kiss, S. Shova, M. Vlassa, A. Silvestru, C. I. Raț and **C. Silvestru**, *Rev. Roum. Chim.*, **2021**, *66*, 167-177. (nr. omagial Acad. Alexandru BALABAN) DOI: 10.33224/rrch.2021.66.2.07
3. Structural aspects in diorganotin(IV) complexes. Ph₂Sn(S₂CNMe₂)(NCS) case study, C. Șalgău, **C. Silvestru** and A. Silvestru, *Rev. Roum. Chim.*, **2021**, *66*, 231-237. (in memoriam Dumitru OANCEA, Mc AR). DOI: 10.33224/rrch.2021.66.3.02