List of Publications

1. Manole Simona; Budurea Claudia; Pop Sorin; Iliescu Alin M; Ciortea Cristiana A; Iancu Stefania D; Popa Loredana; Coman Mihaela; **Szabó László**; Coman Vasile; *Correlation between Volumes Determined by Echocardiography and Cardiac MRI in Controls and Atrial Fibrillation Patients*; Life 1112 12 1362 (2021)

2. Iancu Stefania D; Albu Camelia; Chiriac Liviu; Moldovan Remus; Stefancu Andrei; Moisoiu Vlad; Coman Vasile; **Szabo Laszlo**; Leopold Nicolae; Bálint Zoltán; Assessment of gold-coated iron oxide nanoparticles as negative T2 contrast agent in small animal MRI studies;International Journal of Nanomedicine 15 4811 (2020)

3. Tódor István Sz; Marişca Oana T; Rugină Dumitrița; Diaconeasa Zorița; Leopold Loredana F; Coman Cristina; Antonescu Elisabeta; **Szabó László**; Iancu Stefania D; Bálint Zoltán; Photothermal property assessment of gold nanoparticle assemblies obtained by hydroxylamine reduction;Colloid and Polymer Science 29810 10 1369-1377 (2020)

4. **Szabo L**; Chis V; Pirnau A; Botond S; Cozar O; Orosz S; Theoretical and experimental study of Aripriprazole molecule;Journal of optoelectronics and advanced materials 93 3 599 (2007)

5. Cozar IB; Pîrnău A; **Szabo L**; Vedeanu N; Nastasă C; Spectroscopic and computational investigation of a thiazolidine-2 4-dione compound;Romanian Reports in Physics 682 2 630-641 (2016)

6. Cozar IB; Pîrnău A; **Szabo L**; Vedeanu N; NASTASĂ C; Cozar O; SPECTROSCOPIC AND DFT INVESTIGATION OF BENZALDEHYDE ISONICOTINO–HYDRAZIDE COMPOUND;Rom. Journ. Phys 61 (7-8) 1265-1275 (2016)

7. Leopold Loredana F; Coman Cristina; Todor Istvan Sz; **Szabo Laszlo**; Soriţău Olga; Virag Piroska; Mihu Carmen M; Moisoiu Vlad; Leopold Nicolae; Raman imaging of dental follicle mesenchymal stem cells.;Studia Universitatis Babes-Bolyai Physica 602 2 (2015)

8. Tódor István Sz; **Szabó László**; Marişca Oana T; Chiş Vasile; Leopold Nicolae; Gold nanoparticle assemblies of controllable size obtained by hydroxylamine reduction at room temperature;Journal of nanoparticle research 1612 12 (1-8) (2014)

9. **Szabó László**; Herman Krisztian; Mircescu Nicoleta Elena; Tódor István Szabolcs; Simon Botond Lorand; Boitor Radu Alex; Leopold Nicolae; Chiş Vasile; Surface-enhanced Raman scattering and DFT investigation of 1 5-diphenylcarbazide and its metal complexes with Ca (II) Mn (II) Fe (III) and Cu (II);Journal of Molecular Structure 1073 (10-17) (2014)

10. Herman K; Mircescu NE; **Szabo L**; Leopold LF; Chiş V; Leopold N; In situ silver spot preparation and on-plate surface-enhanced Raman scattering detection in thin layer chromatography separation;Journal of Applied Spectroscopy 802 2 311-314 (2013)

11. **Szabó László**; Herman Krisztian; Mircescu Nicoleta E; Fălămaş Alexandra; Leopold Loredana F; Leopold Nicolae; Buzumurgă Claudia; Chiş Vasile; SERS and DFT investigation of 1-(2-pyridylazo)-2-naphthol and its metal complexes with Al (III) Mn (II) Fe (III) Cu (II) Zn (II) and Pb (II);Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 93 266-273 (2012)

12. Cozar O; Bratu I; **Szabo L**; Cozar IB; Chiş V; David L; IR and ESR study of copper (II) complexes with 15N-labelled lysine and ornithine;Journal of Molecular Structure 993(1-3) (1-3) 397-403 (2011)

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15. Herman Krisztian; **Szabó László**; Leopold Loredana F; Chiş Vasile; Leopold Nicolae; In situ laser-induced photochemical silver substrate synthesis and sequential SERS detection in a flow cell;Analytical and bioanalytical chemistry 4003 3 815-820 (2011)

16. **Szabó László**; Herman Krisztian; Leopold Nicolae; Buzumurgă Claudia; Chiş Vasile; Surface-enhanced Raman scattering and DFT investigation of Eriochrome Black T metal chelating compound;Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 791 1 226-231 (2011)

17. **Szabó László**; Leopold Loredana F; Cozar Bogdan I; Leopold Nicolae; Herman Krisztian; Chiş Vasile; SERS approach for Zn (II) detection in contaminated soil;Central European Journal of Chemistry 93 3 410-414 (2011)

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23. Cozar IB; **Szabó L**; Leopold N; Chis V; David L; Raman SERS and DFT study of atenolol and metoprolol cardiovascular drugs;Rom. J. Phys 55(7-8) (7-8) 772-781 (2010)

24. Cozar IB; **Szabo L**; Mogonea L; Cozar O; David L; EPR investigation of two Cu (II) complexes with low symmetry;Journal of Optoelectronics and Advanced Materials 12(8-10) (8-10) 1799-1804 (2010)

25. Niculescu Violeta; Tamaian Radu; Păun Nadia; Pîrnău Adrian; **Szabo Laszlo**; Synthesis and spectral characterisation of a new metal complex with a bidentate ligand;Journal of Physics: Conference Series 1821 1 12030 (2009)

26. Leopold Nicolae; **Szabó László**; Pîrnău Adrian; Aluaş Mihaela; Leopold Loredana F; Chiş Vasile; Cozar Onuc; Raman spectroscopic and DFT theoretical study of 4-(2-pyridylazo) resorcinol and its complexes with zinc (II) and copper (II);Journal of Molecular Structure 919(1-3) (1-3) 94-99 (2009)

27. Pîrnău Adrian; Chiş Vasile; **Szabo Laszlo**; Cozar Onuc; Vasilescu Mihai; Oniga Ovidiu; Varga Richard A; Experimental and theoretical investigation of 5-para-nitro-benzylidene-thiazolidine-2-thione-4-one molecule;Journal of Molecular Structure 924 361-370 (2009)

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32. Goga NO; Pirnau A; **Szabo L**; Smeets R; Riediger D; Cozar O; Blumich B; Mobile NMR: applications to materials and biomedicine;Journal of Optoelectronics and Advanced Materials 84 4 1430 (2006)

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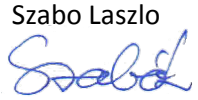

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