

**Lucrări științifice prezentate la conferințe internaționale cu comitet de program****2007**

1. M. Miclau, A. Grozescu, R. Bucur, , M. Poienar, P. Vlazan, I.Grozescu, The  $\text{Si}_{1-x}\text{Ge}_x\text{O}_2$  single crystal with alpha-quartz structure obtained by hydrothermal method using high temperatures and pressures, The 11 th European Conference on Solid State Chemistry, Caen, Franta, 2007
2. A.Zamfir, Ž. Vukelić, A. Schneider, E. Sisu, A. Ingendoh Keynote, A Novel method for structural analysis of human brain gangliosides based onnanoelectrospray multiple stage sequencing mass spectrometry, Vienna MS Forum, Viena, Austria, Feb. 19-22, 2007
3. F. Harja, C. Flangea, D. G. Seidler, N. Dinca, E. Sisu, A. Zamfir, Structural analysis of human decorin dermatan sulfate by nanoelectrospray ionization quadrupole time-of-flight tandem mass spectrometry, German Society for Mass Spectrometry Conference, Bremen, Germany, 11-14 March, 2007,
4. F. Serb, F. Harja, Ž. Vukelić, N. Dinca, E. Sisu, A.Zamfir, Mapping and sequencing of gangliosides from defined regions of human brain by nanoelectrospray ionization quadrupole time-of-flight tandem mass spectrometry, German Society for Mass Spectrometry Conference, Bremen, Germany, 11-14 March, 2007
5. D. G. Seidler, C. Flangea, A. Schneider, A. Serb, E. Sisu, A. Ingendoh, A. D. Zamfir, Structural analysis of chondroitin/dermatan sulfate glycosaminoglycans from human decorin by electrospray ionization multiple stage mass spectrometry, 53<sup>rd</sup> American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, June 2-7, 2007, Indianapolis, Indiana, USA
6. Perdivara, E. Sisu, I. Sisu, M. Przybylski, A. D. Zamfir,Electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry of long chain polysaccharides 53<sup>rd</sup> American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, June 2-7, 2007, Indianapolis, Indiana, USA.
7. D. Zamfir , Principles and applications of electrospray ionization mass spectrometry Plenary lecture: 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania

8. D. Zamfir, Applications of fully automated chip-based electrospray in biological mass spectrometry, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
9. Udrescu, Ioana Sisu, N. Dinca, A. Lascu, C.Neanu E. Sisu, L. Rusnac, A. D. Zamfir, NanoESI QTOF and MALDI TOF MS of modified maltodextrins and dextrans, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
10. Mosoarca, Ž. Vukelić, A. D. Zamfir Mapping and sequencing of gangliosides from anencephaly by electrospray ionization high capacity ion trap mass spectrometry, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
11. Flangea, A. F. Serb, E. Sisu, N. Dinca, A. D. Zamfir, D. G. Seidler , Determination of decorin glycosaminoglycan oversulfation by electrospray ionization quadrupole time-of-flight tandem mass spectrometry, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
12. Irina Perdivara, E. Sisu, I. Sisu, M. Przybylski, K. B. Tomer, A. D. Zamfir Compositional and structural analysis of long chain polysaccharides by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
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15. Sisu, E. Sisu, N. Dinca, Vasile Rusu, A. D. Zamfir Microspray high capacity ion trap multiple stage mass spectrometry of polysaccharides functionalized with aromatic amines,

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  18. M.C. Ienascu, C. Mosoarca, I. M. Popescu, A. X. Lupea, A. D. Zamfir, Electrospray ionization mass spectrometry of novel o-hydroxy-benzamide derivatives, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
  19. Tibeana, F. Vata, M. Chirita, I. B. Pancan, A. D. Zamfir, C. C. Toma, Electro spray ionization tandem mass spectrometric investigation of *Melissa officinalis* oil, 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Sept. 23-27, 2007, Herculane, Romania
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  21. M. I. Chirita, Ž. Vukelić, A. D. Zamfir, Determination of ganglioside expression and structure in human neocortex by electrospray ionization multiple stage mass spectrometry, 18th Joint Meeting of the „Studiengruppe Glykobiologie der Gesellschaft für Biochemie und Molekularbiologie“, the „Nederlandse Vereininging voor Glycobiologie“ and the „Groupe Lillois de Glycobiologie“, Nov. 5-8, Lille, France.
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24. **Terezia Nyari**, Radu Banica, Paul Barvinschi, Maria Poienar, Paulina Vlazan, Paula Sfirloaga, Constantin Mirea, Emil Indrea: *Microwave synthesis and characterization of ternary chalcogenide semiconductor nanocrystals*, 14<sup>th</sup> International Symposium on Metastable and Nano Materials ISMANAM 2007, Corfu, Greece, 26-30 August 2007, Book of Abstracts p. 148 (J.Alloys & Comp. – submitted).
25. Radu Banica, Paul Barvinschi, Nicolae Vaszilcsin, **Terezia Nyari**: *Studies on the Electrochemical Deposition of MoO<sub>3-x</sub> Thin Films on Copper*, 14<sup>th</sup> International Symposium on Metastable and Nano Materials ISMANAM 2007, Corfu, Greece, 26-30 August 2007, Book of Abstracts p. 158 (J.Alloys & Comp. – submitted).
26. Emil Indrea, Simina Dreve, Dan Teofil Silipas, Gheorghe Mihailescu, Liliana Olenic, Virginia Danciu, Veronica Cosoveanu, Laura Elena Muresan, Elisabeth Jeanne Popovici, Violeta Popescu, Nascu Horea-Iustin, Vinteler Romulus Tetean, Gheorghe Lucian Baia, **Terezia Nyari**: *Nanocrystalline TiO<sub>2</sub> for photoelectrochemical generation of hydrogen* Isotopic and Molecular Processes – PIM 2007, Cluj-Napoca, Romania, 20–22 Sept. 2007 (J.Opt.Adv.Mat. - submitted).
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