

Listă lucrări publicate:

- [1] C. Lăzău, **P. Sfirloagă**, P. Vlăzan, S. Novaconi, I. Miron, C. Rațiu, L. Mocanu, A. Ioiteșcu, I. Grozescu, "Synthesis and characterization of functional TiO₂ nanomaterials", Chem. Bull. "POLITEHNICA" Univ. (Timișoara) Volume 53 (67), (2008), p.273.
- [2] C. Lăzău, F. Burada, I. Siloși, **P. Sfirloagă**, C. Rațiu, C. Orha, S. Novaconi, P. Vlăzan, I. Rogoz, S. Rogoz, P. Barvinschi, I. Grozescu, "Immune response of animal organism treated with TiO₂ nanocrystals", Scientific and Technical Bulletin 13 (2008), ISSN 1582-1021, p. 48.
- [3] C. Lazău, **P. Sfirloagă**, C. Rațiu, C. Orha, A. Ioiteșcu, I. Miron, Ș. Novaconi, D. I. Hădărugă, N. G. Hădărugă, G. N. Bandur, G. Rusu, I. Grozescu, „Synthesis of bioactive materials based on undoped/doped TiO₂ and their nanocrystals with α / β -cyclodextrins” Journal of Optoelectronics and Advanced Materials vol.11, no. ISS7 (2009), ISSN: PRINT: 1454 – 4164, p. 981.
- [4] Lăzău C., Mocanu L., Miron I., **Sfirloagă P.**, Tanasie G., Tatua C., Gruia A., Grozescu I., Digest Journal of Nanomaterials and Biostructures, 2, 3, (2007), 257.
- [5] C. Rațiu, C. Lăzău, C. Orha, **P. Sfirloagă**, F. Manea, G. Burtică, A. Iovi, I. Grozescu, „Synthesis of hybrid zeolitic materials with TiO₂ nanocrystals using solid-solid method”, Journal of Optoelectronics and Advanced Materials vol.11, no. ISS6 (2009), ISSN: PRINT: 1454 – 4164, p.838.
- [6] **Sfirloagă P.**, Lăzău C., Rațiu C., Orha C., Grozescu I. , Vaszilcsin N., Journal of Optoelectronics and Advanced Materials, p. 1884 – 1888, Vol. 12, ISS9, 2010.
- [7] Lăzău C., **Sfirloagă P.**, Orha C., Rațiu C., Grozescu I., Materials Letters, in press.
- [8] C. Rațiu, C. Orha, C. Lăzău, **P. Sfirloagă**, A. Ioiteșcu, F. Manea, A. Grozescu, P. Barvinschi, P. Vlăzan, I. Grozescu, „Synthesis and characterization of zeolite materials functionalized with undoped and N-doped TiO₂ nanocrystals”, Moldavian Journal of the Physical Sciences, 8 (2009), ISSN 1810-648X, p. 70.
- [9] C. Rațiu, C. Orha, **P. Sfirloagă**, C. Lăzău, F. Manea, A. Păcală, I. Vlaicu, G. Burtică, I. Grozescu, „Enhancement of Natural Organic Matter Removal from Surface Water Using TiO₂-Modified Zeolite”, Chem. Bull. "POLITEHNICA" Univ., 53(67) (2008), p. 171.
- [10] C. Lăzău, C. Rațiu, **P. Sfirloagă**, A. Ioiteșcu, I. Miron, P. Vlăzan, C. Orha, A. Grozescu, F. Manea, P. Barvinschi, I. Grozescu, „Synthesis and characterization of zeolite materials functionalized with undoped and Ag-doped TiO₂ nanocrystals”, Journal of Optoelectronics and Advanced Materials - Symposia, 1 (2009), ISSN: Print: 2066-057X, p. 12.
- [11] C. Rațiu, C. Lăzău, **P. Sfirloagă**, C. Orha, D. Sonea, S. Novaconi, F. Manea, G. Burtică, I. Grozescu, „Decontaminate effect of the functionalized materials with undoped and doped (Ag) TiO₂ nanocrystals”, Environmental Engineering and Management Journal vol. 8, no. 2, (2009), ISSN 1582-9596, p. 237.
- [12] Rațiu C., Orha C., Lăzău C., **Sfirloagă P.**, Ioiteșcu A., Manea F., Grozescu A., Barvinschi P., Vlăzan P., and Grozescu I., Moldavian Journal of the Physical Sciences, 8 (2009), ISSN 1810-648X, 70.
- [13] M. Vasile, P. Vlăzan, **P. Sfirloaga**, I. Grozescu, E. Rusu, Luminescent properties of ZnGa₂O₄ spinel doped with rare earth ions, Physica Scripta T135, 2009, 014046.
- [14] P. Vlăzan, M. Bradiceanu, **P. Sfirloaga**, R. Baies, A. Grozescu, S. Novaconi, The precursors influence on the physical properties of cobalt ferrites nanoparticles, Journal of Optoelectronics and Advanced Materials-Symposia, Vol.1, pp.34, (2009).
- [15] Gh. Iliă, N. Plesu, **P.Sfirloaga**, M. Vasile, A. Popa, S. Iliescu, Polyvinylphosphonic acid used in synthesis of organic inorganic hybrids by sol-gel method, Optoelectronics and Advanced Materials-Rapid Communications, 3 (12), 2009, pp. 1253-1258,
- [16] Coneac, G.; Gafițanu, E.; Hădărugă, N.G.; Hădărugă, D.I.; Riviș, A.; Bandur, G.; Pînzaru, I.A.; Rusu, G.; Urșica, L.; Păunescu, V.; Gruia, A.; Sebeșan, M.; Grozescu, I.; Lazău, C.; **Sfirloagă, P.**, Propolis extract/ β -cyclodextrin nanoparticles: synthesis, physico-chemical, and multivariate analyses, Journal of Agroalimentary Processes and Technologies 2008, 14(1), 58-70, ISSN 1453-1399.

- [17] M. Vasile, P. Vlăzan, A. Bucur, **P. Sfirloagă**, I. Grozescu, N. M. Avram, Nanoparticle properties of $ZnAl_2O_4$ obtained by hydrothermal method, *Optoelectronics and Advanced Materials - Rapid Communications (OAM-RC)*, Vol 4 ISS. 2 201, pag. 220-222.
- [18] M. Ștefănescu, M. Stoia, O. Ștefănescu, C. Davidescu, G. Vlase and **P. Sfirloagă**, Synthesis and characterization of poly(vinyl alcohol)/ethylene glycol /silica hybrids. Thermal analysis and FT-IR study, *Rev. Roum. Chim.*, 2010, 55(1), 17-23.
- [19] **P. Sfirloagă**, C. Lăzău, C. Orha, C. Rațiu, S. Novaconi, I. Grozescu, „Thermoelectric materials based on SnTe binary compounds”, *Analele Universității de Vest din Timisoara*, Vol. LII, (2008), ISSN: 1224-9718, p. 136.