



## Scientific activity:

Books : 21  
ISI papers: 12  
ISI proceedings: 9  
Others: 80

## Most recent results:

**1. Green synthesis, characterization and anti-inflammatory activity of silver nanoparticles using European black elderberry fruits extract**, Luminita David; Bianca Moldovan; Adriana Vulcu; Liliana Olenic; Maria Perde-Schrepler; Eva Fischer-Fodor; Maria Crisan; Ioana Chiorean; Simona Clichici; Gabriela Adriana Filip,

*Colloids and Surfaces B: Biointerfaces*, Ms. Ref. No.: COLSUB-D-13-02016R3, 2014, [Volume 122](#), 1 October 2014, Pages 767–777 (Elsevier Ed.)

**2. Statistical Aspects on the Usage of some Dermatological Creams with Metallic Nanoparticles**, Ioana Chiorean, *Studia Univ B B, Mathematica*, vol.59, nr.4, 2014 (NAAT2014)

**3. Nanomaterials based on Gold/Silver Nanoparticles-Kuromarin Chloride and their Applications in Medicine**, Liliana Olenic, Ioana Chiorean, Maria Crisan, Adriana Vulcu, Camelia Grosan, Lucian-Barbu Tudoran, Irina Kacso, Lidia Magerusan, Ioan Bratu. *ATOM-N2014 Conference, Constanta, 21-24 august 2014 (poster)*

**4. Effect of Natural Extracts pH on Morphological Characteristics of Hybrid Materials Based on Gold Nanoparticles**, L.Olenic, A. Vulcu, I. Chiorean, M. Crisan, C. Berghian-Grosan, S. Dreve, L. David, L. B. Tudoran, I. Kacso, I. Bratu, C. Neamtu and C. Voica, *PIM 2013 International Conference Processes in \_\_\_Isotopes and Molecules, 25 - 27 Septembrie 2013 Cluj-Napoca, AIP Conference Proceedings*.

**5. ARFI quantitative elastography of the submandibular glands. Normal measurements and the diagnosis value of the method in radiation submaxillitis.**, Alexandru Florin Badea, Attila Tamas Szora, Elisabeta Ciuleanu, Ioana Chiorean, Grigore Băciuț, Monica Lupșor Platon, Radu Badea, *Medical Ultrasonography Journal 2013, Vol. 15, no. 3, 173-179*

**6. New Nanomaterials for the Improvement of Psoriatic Lesions**, Maria Crisan, Luminita David, Bianca Moldovan, Adriana Vulcu, Simina Dreve, Maria Perde Schrepler, Corina Tatomir, Adriana Gabriela Filip, Pompei Bolfa, Marcela Achim, Ioana Chiorean, Irina Kacso, Camelia Berghian Grosan and Liliana Olenic, *J. Mater. Chem. B*, (2013), DOI: 10.1039/c3tb20476f

**7. The Finite Element method applied to a Problem of Blood Flow in Vessels**, Gabriela Nuț, Ioana Chiorean, Maria Crișan, *Hindawi Journal*, 2012, *Computational and Mathematical Methods in Medicine*, Volume 2012 (2012), Article ID 204926, 6 pages, doi:10.1155/2012/204926

**8. Medico-Economic Index for Photoinduced Skin Cancers**, Ioana Ciorean, Liana LUPȘA, Luciana NEAMȚIU, Maria CRIȘAN, *Computational and Mathematical methods in medicine, Hindawi Journal*, vol.2012 (factor de impact: 0.814) *Computational and Mathematical Methods in Medicine, Volume 2012 (2012)*, Article ID 414683, 3 pages, doi:10.1155/2012/414683

**9. Multicriteria Optimization Model for the Study of the Efficacy of Skin Antiaging Therapy**, Maria Crișan, Guido Cappare, Luciana Neamțiu, Ioana Chiorean, Liana Lupșa, Diana Crișan, and Radu Badea, *Hindawi Journal Computational and Mathematical Methods in Medicine, Volume 2012 (2012)*, Article ID 103919, 6 pages, doi:10.1155/2012/103919

**10. Some Special Traveling Salesman Problems with Applications in HealthEconomics**, Liana Lupsa, Ioana Chiorean, Radu Lupsa and Luciana Neamtiu (2010). Some Special Traveling Salesman Problems with Applications in HealthEconomics, *Traveling Salesman Problem, Theory and Applications, Donald Davendra (Ed.)*, ISBN: 978-953-307-426-9, InTech

**11. Analiza Numerica**, Ed. Presa Univ. Clujeana (colab. cu T. Catinas si R. Trambitas), 2010

**12. Numerical Methods in Abstract Spaces**, Ed. Presa Universitara Clujeana, 2008

**13. Numerical Analysis. An Advanced Cours**, Ed. Presa Universitara Clujeana, 2007 ( colab. cu Coman si Catinas), ZBL.05201393

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