

## List of publication

1. *Citrus fruits freshness assessment using Raman spectroscopy; Fran Nekvapil, I.Brezestean, S.Cinta Pinzaru, V.Chis, D.Barchewitz, B.Glamuzina; Food Chemistry; DOI: 10.1016/j.foodchem.2017.09.105*
2. *Biogeochemical specificity of adjacent natural carbonated spring waters from Swiss Alps promptly revealed by SERS and Raman technology, S.Cinta. Pinzaru, F.Nekvapil, I.Brezestean, M.M Venter, M. Ardeleanu; Analytical Methods; DOI: 10.1039/C8AY02580K*
3. *Microsphere packages of carotenoids: intact sea urchin eggs tracked by Raman spectroscopy tools; S.Cinta Pinzaru, F.Nekvapil, I.Brezestean, C.Muller, V. Chis; DOI:10.1039/C9PP00181F*
4. *Analisis of hypersaline water from Cojocna Balneary Resorts (Romania) using Raman Spectroscopy Tehniques; I.Brezestean , S.Cinta Pinzaru, Fran Nekvapil; ISSN 2067-743X, pp 3-13;*
5. *Cyanobacteria Detection and Raman Spectroscopy Characterization with a Highly Sensitive, High Resolution Fiber Optic Portable Raman System; S. Cinta Pinzaru; Csilla Muller, I.Brezestean, Daniel Barchewits, Branko Glamuzina STUDIA UBB PHYSICA, Vol. 61 (LXI), 1, 2016, pp.*
6. *Live diatoms facing Ag nanoparticles: surface enhanced Raman scattering of bulk *Cylindrotheca Closterium pennate* diatoms and of the single cells; ; S. Cinta Pinzaru; Csilla Muller, I.Brezestean, Monica M. Venter, Branko Glamuzina RSC Advances; April 2016; DOI: 10.1039/c6ra04255d*
7. *Electronic suppl info RSC-Adv-c6ra04255d1:Live diatoms facing Ag nanoparticles: surface enhanced Raman scattering of bulk *Cylindrotheca Closterium pennate* diatoms and of the single cells; ; S. Cinta Pinzaru; Csilla Muller, I.Brezestean, Monica M. Venter; April 2016*
8. *Analytical study of gallstones in patients from Transylvania, Romania; I. Brezestean, S. Cinta Pinzaru, A.Tantau, N.Har, M.Venter; January 2015 Studia Universitatis Babes-Bolyai Chemia I(LX 1):29-43*
9. *Cintă Pinzaru, S., Ardeleanu, M., Brezestean, I., Nekvapil, F., Venter, M.M. Unexpected inorganic-organic complementarity revealed by Raman and SERS spectroscopy of spring mineral waters from Swiss Alps. Submitted to: Journal of Raman Spectroscopy*
10. *Tracking and mapping carotenoids distribution in intact sea urchin eggs using microRaman spectroscopy, Raman imaging and micro-SERS; Fran Nekvapil, I.Brezestean, Cinta Pinazru S., Sanja Tomšić, Csilla Müller, Vasile Chiş; Submitted to: Journal of Raman Spectroscopy*

I have participated in different conferences:

1. *Analisis of hypersaline water from Cojocna Balneary Resorts (Romania) using Raman Spectroscopy Tehniques; I.Brezestean , S.Cinta Pinzaru, Fran Nekvapil; ISSN 2067-743X, pp 3-13; Air and Water components of the Enviroment, 15-17 March 2018*
2. *Translation of SERS Technique to Hydrobiology: Use of Metallic Plasmonic Nanoparticles to Quench Fluorescence in Raman Spectroscopy Analysis of Natural Fluids; Fran Nekvapil \*, I Brezestean, S Tomšić, S Cinta Pinzaru; Conference: Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES2018"; 23-25 May, 2018*
3. *Natural Biocomposite Material with Antioxidant Properties and a Source of Valuable Compounds: the Cuticle of Squilla mantis Shrimp Fran Nekvapil \*, I Brezestean, B Glamuzina, S Tomšić, L Barbu-Tudoran, V Chis, S Cinta Pinzaru , Conference: Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES2018"; 23-25 May, 2018*
4. *New Data on Growing Mechanism of Human Gallstones from Transylvania, Romania: A joint Confocal Micro-Raman, Polarized Light Microscopy, X-Ray Diffraction and Thermal Analysis Study;*  
*Ioana Andreea Brezestean , Alina Tantau, Maria Gorea, Nicolae Har, Leontin David, Simona Cinta Pinzaru, Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2018"; 23-25 May, 2018*
5. *Microbial Community From Cojocna Balneary Lakes: Rich Resource Of Carotenoids Ascertained By Resonance Raman Micro-Spectroscopy: Ioana Andreea Brezestean , Fran Nekvapil, Leontin David,S. Cinta Pinzaru; Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES2018"; 23-25 May; 2018*
6. *Nodularin Cyanotoxin Molecular Characterization and detection using Surface Enhanced Raman Scattering (SERS) and Drop Coating Deposition Raman (DCDR); Brezestean I., S. Cinta*

Pinzaru, V. Chis, L.Davin, Reka Domokos; *6th International Iberian Biophysics Congress, X Iberoamerican Congress of Biophysics*;

7. .Nekvapil, F., **Brezestean, I.**, Barchewitz, D., Glamuzina, B., Chis, V., Cintă Pinzaru, S., Andronie, L. *Are the market citrus fresh? Raman spectroscopy can promptly tell it.* In: Vodnar, D.C. (ed) *Book of Abstracts, no. 4/2017, Faculty of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, ISSN: 2392-6937, ISSN-L: 2392-6937, 16th International Conference Prospects for the 3rd Millenium Agriculture, University of Agricultural Sciences and Veterinary Medicine, 28 – 30 September, Cluj-Napoca, Romania. p. 230*
8. Cintă Pinzaru, Nekvapil, F., Ljubimir, S., Tomšić, S., Glamuzina, B., **Brezestean, I.**, Venter, M.M., Andronie, L.M., Barbu-Tudoran, L., Suciu, M., Chis, V. *Fucoxanthin distribution in single pennate diatom cell in vivo and cell reaction under aggression.* In: Vodnar, D.C. (ed) *Book of Abstracts, no. 4/2017, Faculty of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, ISSN: 2392-6937, ISSN-L: 2392-6937, 16th International Conference Prospects for the 3rd Millenium Agriculture, University of Agricultural Sciences and Veterinary Medicine, 28 – 30 September, Cluj-Napoca, Romania. p. 231*
9. .Firta, C., Nekvapil, F., **Brezestean, I.**, Cintă Pinzaru, S. *Aquarium biofilm inhibition in the presence of AgNPs deposited on soda lime silica glass.* In: Vodnar, D.C. (ed) *Book of Abstracts, no. 4/2017, Faculty of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, ISSN: 2392-6937, ISSN-L: 2392-6937, 16th International Conference Prospects for the 3rd Millenium Agriculture, University of Agricultural Sciences and Veterinary Medicine, 28 – 30 September, Cluj-Napoca, Romania. p. 225*
10. Nekvapil, F., Tomšić, S., Glamuzina, B., Barbu-Tudoran, L., **Brezestean, I.**, Cintă Pinzaru, S., *Natural nanoarchitecture of blue crab (Callinectes sapidus Rathbun, 1896) claw studied by Raman spectroscopy and Scanning electron microscopy* In: Vladoiu, R., Mandes, A., Dinca Balan, V. (eds) *Conference proceedings. Issue 17/2017, University of Ovidius Press, ISSN 2501-9050, ISSN-L 2501-9058. 17th International Balkan Workshop on Applied Physics, July 11 – 14, Constanța, Romania. p. 146 – 147.*