
Lista de Publicații (2008 – prezent):

**Ocsana – Ileana Opreș**

Departament: Fizica sistemelor nanostructurate, Grup de cercetare: Materiale multifuncționale și compuși biologic activi, Institutul Național de Cercetare – Dezvoltare pentru Tehnologii Izotopice și Moleculare (INCDTIM), Strada Donat, nr. 67 – 103, Ro-400293, Cluj-Napoca

Articole (ISI):

1. **O. Opreș**, A. Ciorîță, M. L. Soran, I. Lung, D. Copolovici, L. Copolovici: "Evaluation of the photosynthetic parameters, emission of volatile organic compounds and ultrastructure of common green leafy vegetables after exposure to non-steroidal anti-inflammatory drugs (NSAIDs)", *Ecotoxicology*. (acceptat spre publicare)
2. M. Stan, I. Lung, M. L. Soran, **O. Opreș**, C. Leostean, A. Popa, F. Copaciu, M. D. Lazar, I. Kacso, T. D. Silipas, A. S. Porav: "Starch-coated green synthesized magnetite nanoparticles for removal of textile dye Optilan Blue from aqueous media", *Journal of the Taiwan Institute of Chemical Engineers*, **100**, 65–73 (2019).
3. I. Lung, M. L. Soran, **O. Opreș**, M. Stan, C. Bele: "Microwave irradiation effect on polyphenol content and antioxidant activity of basil", *Studia UBB Chemia*, **LXIII**(3), 87–94 (2018).
4. I. Lung, M. L. Soran, M. Stan, **O. Opreș**, F. Copaciu, M. Ștefan, M. D. Lazăr, C. Leostean, A. S. Porav: "Removal of Lanasyne Red azo dye from aqueous solution by green synthesized magnetite nanoparticles", *Revue Roumaine de Chimie*, **63**(10), 965–970 (2018).
5. I. Lung, M. Stan, **O. Opreș**, M. L. Soran, M. Șenilă, M. Ștefan: "Removal of lead (II), cadmium (II), and arsenic (III) from aqueous solution using magnetite nanoparticles prepared by green synthesis with Box-Behnken design", *Analytical Letters*, **51**(16), 2519–2531 (2018).
6. O. Vostinaru, E. Dinte, M. L. Soran, I. Lung, **O. Opreș**, C. Mogoșan: "Evaluation of the anti-gout potential of an extract from *Calluna vulgaris* L. (Ericaceae) in rats", *Records of Natural Products*, **12**(5), 432–444 (2018).
7. M. L. Soran, **O. Opreș**, I. Lung, I. Kacso, A. S. Porav, M. Stan: "The efficiency of the multi-walled carbon nanotubes used for antibiotics removal from wastewaters generated by animal farms", *Environmental Science and Pollution Research*, **24**(19), 16396–16406 (2017).
8. E. Szekeres, A. Baricz, C. Chiriac, A. Farkas, **O. Opreș**, M. L. Soran, A. S. Andrei, K. Rudi, J. L. Balcazar, N. Dragoș, C. Coman: "Abundance of antibiotics, antibiotic resistance genes and bacterial community composition in wastewater effluents from different Romanian hospitals", *Environmental Pollution*, **225**, 304–315 (2017).
9. M. Stan, I. Lung, M. L. Soran, C. Leostean, A. Popa, M. Ștefan, M. D. Lazar, **O. Opreș**, T. D. Silipas, A. S. Porav: "Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts", *Process Safety and Environmental Protection*, **107**, 357–372 (2017).
10. M. L. Soran, I. Lung, **O. Opreș**, V. Floare-Avram, C. Coman: "Determination of antibiotics in surface water by solid-phase extraction and high-performance liquid chromatography with diode array and mass spectrometry detection", *Analytical Letters*, **50**(7), 1209–1218 (2016).

11. **O. Opreș**, M. L. Soran, I. Lung, M. R. C. Trușcă, T. Szoke-Nagy, C. Coman: “*The optimization of the antibiotics extraction from wastewaters and manure using Box-Behnken experimental design*”, International Journal of Environmental Science and Technology, **14**(3), 473–480 (2016).
12. F. Copaciu, **O. Opreș**, Ü. Niinemets, L. Copolovici: “*Toxic influence of key organic soil pollutants on the total flavonoid content in wheat leaves*”, Water, Air & Soil Pollution, **227**:196 (2016).
13. I. Lung, M. L. Soran, **O. Opreș**, M. R. C. Trușcă, Ü. Niinemets, L. Copolovici: “*Induction of stress volatiles and changes in essential oil content and composition upon microwave exposure in the *Ocimum basilicum* aromatic plant*”, Science of the Total Environment, **569-570**, 489–495 (2016).
14. I. Lung, M. Stan, **O. Opreș**, M. L. Soran: “*Determination of myristicin and linalool in microwave-stressed aromatic plants using high performance liquid chromatography – diode array detection*”, Analytical Letters, **48**, 567–574 (2015).
15. M. Stan, **O. Opreș**, I. Lung, M. L. Soran: “*High-performance thin-layer chromatographic quantification of myristicin and linalool from leaf extracts of microwave-irradiated parsley, dill and celery*”, Journal of Planar Chromatography – Modern TLC, **27**(2), 97–101 (2014).
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17. **O. Opreș**, F. Copaciu, M. L. Soran, D. Ristoiu, Ü. Niinemets, L. Copolovici: “*Influence of nine antibiotics on key secondary metabolites and physiological characteristics in *Triticum aestivum*: leaf volatiles as a promising tool to assess toxicity*”, Ecotoxicology and Environmental Safety, **87**, 70–79 (2013).
18. **O. Opreș**, M. L. Soran, V. Coman, F. Copaciu, D. Ristoiu: “*Determination of some frequently used antibiotics in waste waters using solid phase extraction followed by high performance liquid chromatography with diode array and mass spectrometry detection*”, Central European Journal of Chemistry, **11**(8), 1343–1351 (2013).
19. F. Copaciu, **O. Opreș**, V. Coman, D. Ristoiu, Ü. Niinemets, L. Copolovici: “*Diffuse pollution by anthraquinone and azo dyes in environment importantly alters foliage volatiles, carotenoids and physiology in wheat (*Triticum aestivum*)*”, Water, Air, & Soil Pollution, **224**:1478 (2013).
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22. M. L. Soran, **O. Opreș**, F. Copaciu, C. Varodi: “*Determination of flavonoids in *Triticum aestivum* L. treated with ampicillin*”, Proceeding in Processes in Isotopes and Molecules (PIM 2011)”, Ed. Lazăr M.D., AIP Conference Proceedings, **1425**, 47–49 (2012).
23. F. Copaciu, V. Coman, M. Vlassa, **O. Opreș**: “*Determination of some textile dyes in wastewater by solid phase extraction followed by high performance thin layer chromatography*”, Journal of Planar Chromatography – Modern TLC, **25**(6), 509–515 (2012).

24. V. Coman, Ș. Kreibik, C. Tudoran, **O. Opreș**, F. Copaciu: “Dielectroosmotic effects in electric current pulse”, Journal of Planar Chromatography – Modern TLC, **25**(6), 504–508 (2012).
25. **O. Opreș**, F. Copaciu, V. Coman, D. Ristoiu: “UV-VIS study regarding the influence of two potential environmental pollutants on the total flavonoid content in *Triticum aestivum* L. and *Secale cereale* L.”, Studia Universitatis Babeș-Bolyai, Chemia, **56**(4), 17–25 (2011).
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Articole (non-ISI):

1. C. Varodi, M. L. Soran, I. Lung, **O. Opreș**, L. Mureșan: “Ascorbic acid determination from alcoholic and soft drinks by different techniques”, Proceeding in International Conference Modern Technologies, in the Food Industry, 395–400, Chișinău, Republica Moldova, ISBN: 978-9975-87-138-9, (2016).
2. **O. Opreș**, C. Roba, F. Copaciu, A. Bunea: “Quality assessment of waste waters generated by some important hospitals from Cluj County”, Bulletin UASVM Animal Science and Biotechnologies, **73**(1), 1–7 (2016).
3. F. Copaciu, C. Roba, **O. Opreș**, A. Bunea, V. Mireșan: “Assessment of industrial effluent quality and their possible impact on surface water”, Bulletin UASVM Animal Science and Biotechnologies, **72**(2), 131–141 (2015).
4. C. Varodi, **O. Axuc**, D. Gligor, I. C. Popescu, L. M. Mureșan: “Ascorbic acid determination by using an amperometric biosensor”, Proceeding in International Conference on Ecological Materials and Technologies, **1**, 99–101, Ed. Printech, București, ISBN 978-606-521-079-0, (2008).

Capitole de cărți:

1. M. L. Soran, **O. Opreș**, I. Lung (2016) “Capitolul 3: Investigarea poluării mediului înconjurător cu antibiotice”, în: Ghid metodologic de monitorizare a antibioticelor și a rezistenței la antibiotice în mediul înconjurător, Ed. de către Cristian Coman, în limba română (pp. 63–77) și în limba engleză (pp. 237–251). ©Accent, Cluj-Napoca, ISBN 978-606-561-165-8.

Brevete de invenție:

1. A. Ghendov-Moșanu, L. Popescu, R. Sturza, I. Lung, **O. I. Opreș**, M. L. Soran, M. Stan: “Procedeu de fabricare a desertului de brânză funcțional”, Nr. 9084 din 05.09.2018, Republica Moldova.
2. A. Ghendov-Moșanu, L. Popescu, R. Sturza, I. Lung, **O. I. Opreș**, M. L. Soran: “Procedeu de fabricare a cremei de brânză funcționale”, Nr. 9085 din 05.09.2018, Republica Moldova.