

List of papers

I. Papers published in ISI journals:

1. Microwave irradiation effect on polyphenol content and antioxidant activity of basil, Ildiko Lung, **Maria-Loredana Soran**, Ocsana Opris, Manuela Stan, Constantin Bele, *Studia UBB Chemia*, LXIII, 3, 2018, 87-94. IF 0.305
2. Removal of Lanasyne Red azo dye from aqueous solution by green synthesized magnetite nanoparticles, Lung I., **Soran M.L.**, Stan M., Opris O., Copaciu F., Ștefan M., Lazăr M.D., Leoștean C., Porav A.S., *Revue Roumaine de Chimie*, 2018, 63(10), 965-970.
3. Evaluation of the Anti-Gout Potential of *Calluna vulgaris* L. (*Ericaceae*) in Rats, O. Vostinaru, E. Dinte, **M.L. Soran**, I. Lung, O. Opris, C. Mogosan, *Records of Natural Products*, 2018,12(5), 432-444. IF 1.311
4. Removal of Lead(II), Cadmium(II), and Arsenic(III) from Aqueous Solution using Magnetite Nanoparticles Prepared by Green Synthesis with Box-Behnken Design, Ildiko Lung, Manuela Stan, Ocsana Opris, **Maria-Loredana Soran**, Marin Senila, Maria Stefan, *Anal. Lett.*, 2018, 51(16), 2517-2529 doi 10.1080/00032719.2018.1446974. IF 1.206
5. Investigating antibiotics, antibiotic resistance genes, and microbial contaminants in groundwater in relation to the proximity of urban areas, E. Szekeres, C.M. Chiriac, A. Baricz, T. Szoke-Nagy, I. Lung, **M.L. Soran**, K. Rudi, N. Dragos, C. Coman, *Environmental Pollution*, 2018, 236, 734-744. IF 5.099
6. Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of *Quercus robur* leaves by large larvae of gypsy moth (*Lymantria dispar*), Lucian Copolovici, Andreea Pag, Astrid Kännaste, Adina Bodescu, Daniel Tomescu, Dana Copolovici, **Maria-Loredana Soran**, Ülo Niinemets, *Environmental and Experimental Botany* 2017, 138, 184–192. IF 4.369
7. The efficiency of the multi-walled carbon nanotubes used for antibiotics removal from wastewaters generated by animal farms, **Soran M.L.**, Opris O., Lung I., Kacso I., Porav A.S., Stan M., *Environmental Science and Pollution Research* 2017, 24(19), 16396–16406. IF 2.741
8. Abundance of antibiotics, antibiotic resistance genes and bacterial community composition in wastewater effluents from different Romanian hospitals, Edina Szekeres, Andreea Baricz, Cecilia Maria Chiriac, Anca Farkas, Ocsana Opris, **Maria-Loredana Soran**, Adrian-Stefan Andrei, Knut Rudi, Jose Luis Balcazar, Nicolae Dragos, Cristian Coman, *Environmental Pollution*, 2017, 225, 304-315. IF 5.099
9. Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts, M. Stan, I. Lung, **M. L. Soran**, C. Leostean, A. Popa, M. Stefan, M. D. Lazar, O. Opris, T.D. Silipas, A. S. Porav, *Process Safety and Environmental Protection*, 2017, 107, 357-372, doi 10.1016/j.psep.2017.03.003. IF 2,078
10. Comparison of different extraction techniques for the evaluation of polyphenols content in summer savory extracts, Casoni, D; Olah, N; **Soran, L.**; Cobzac, SCA, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, 2017, 62 (3), 45-56
11. Determination of Antibiotics in Surface Water by Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode Array and Mass Spectrometry Detection, **M.L. Soran**, Ildikó Lung, Ocsana Opris, Veronica Floare-Avram, and Cristian Coman, *Anal. Lett.*, 2016, 50(7), 1209 - 1218, doi: 10.1080/00032719.2016.1209516. IF 1.150
12. The optimization of the antibiotics extraction from wastewaters and manure using Box-Behnken experimental design, Opris O., **Soran M. L.**, Lung I., Trușcă M. R. C., Szoke-Nagy T., Coman C., *International Journal of Environmental Science and Technology*, 2016, DOI 10.1007/s13762-016-1165-2 14(3), 473 – 480. IF 1.915
13. Induction of stress volatiles and changes in essential oils content and composition upon microwave exposure in the *Ocimum basilicum* aromatic plant, Lung I, **Soran M. L.**, Opris O., Trușcă M. R. C., Niinemets Ü., Copolovici L., *Science of the Total Environment*, 2016, 569–570, 489–495. IF 4.900
14. Isotopic composition influence of irrigation water on some aromatic plants, R. Pușcaș, D.A. Măgdaș, I. Lung, G. Cristea, **M.L. Soran**, I. Feher, A. Dehelean, *Studia Universitatis "Babes-Bolyai", Chemia*, 2016, LXI, 4, 31 – 42. IF 0.244
15. Determination of Myristicin and Linalool in Plants Exposed to Microwave Radiation by High-Performance Liquid Chromatography, I. Lung, M. Stan, O. Opris, **M.L. Soran**, *Analytical Letters*, 2015, 48(4), 567-574. IF 1.088
16. Influence of microwave frequency electromagnetic radiation on terpene emission and content in aromatic plants, **Maria L. Soran**, Manuela Stan, Ulo Niinemets, Lucian Copolovici, *Journal of Plant Physiology* 2014, 171(15):1436-43. IF 2.557
17. Influence of microwave field on the ascorbic acid content in leaves of some common aromatic plants in Romania, Manuela Stan, **Maria L. Soran**, Codruța Varodi, Ildiko Lung, *Studia Universitatis Babes-Bolyai, Chemia* 2014, LIX, 1, p. 125-133. IF 0.191
18. High performance thin-layer chromatographic quantification of myristicin and linalool from leaf extracts of microwave-irradiated parsley, dill and celery, Manuela Stan, Ocsana Opris, Ildiko Lung, **Maria L. Soran**, *Journal of planar chromatography – Mod. TLC* 2014, 27(2), 97-101. IF 0.670
19. Synthesis and characterization of Fe₃O₄@ZnS and Fe₃O₄@Au@ZnS core-shell nanoparticles, M. Stefan, C. Leostean, O. Pana, **M.L. Soran**, R.C. Suci, E. Gautron, O. Chauvet, *Applied Surface Science* 2014, 288, 180-192. IF 2.711

20. High-performance thin-layer chromatographic quantification of some essential oils from *Anethum graveolens* extracts, Manuela Stan, Ildiko Lung, Ocsana Opriş, **Maria L. Soran**, *Journal of planar chromatography – Mod. TLC* 2014, 27(1), 33-37. IF 0.670
21. Extraction and HPLC determination of the ascorbic acid content of three indigenous spice plants, M. Stan, **M. L. Soran**, and C. Marutoiu *Journal of Analytical Chemistry*, 2014, 69(10), 998-1002. IF 0.479
22. Grape seed extract as photochemopreventive agent against UVB-induced skin cancer, M. Perde-Schrepler, G. Chereches, I. Brie, C. Tatomir, I.D. Postescu, **L. Soran**, A. Filip, *Journal of Photochemistry and Photobiology B: Biology*, 2013, 118, 16-21. IF 2.803
23. 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, Ocsana Opriş, **Maria-Loredana Soran**, Virginia Coman, Florina Copaciu, Dumitru Ristoiu, *Central European Journal of Chemistry* 2013, 11(8), 1343-1351. IF 1.329
24. Synthesis and characterization of Fe–Pt based multishell magnetic nanoparticles, O. Pana, C. Leostean, **M.L. Soran**, M. Stefan, S. Macavei, S. Gutoiu, V. Pop, O. Chauvet, *J. Alloy. Compd.* 2013, 574, 477-485. IF 2,726
25. Effect of microwave irradiation on polyphenolic compounds from *Satureja hortensis* L., I. Lung, **M.L. Soran**, C. Tudoran, C. Măruţoiu, *Central European Journal of Chemistry* 2013, 11(4), 535-541. IF 1.329
26. Influence of nine antibiotics on key secondary metabolites and physiological characteristics in *Triticum aestivum*: leaf volatiles as a promising new tool to assess toxicity, Ocsana Opris, Florina Copaciu, **Maria Loredana Soran**, Dumitru Ristoiu, Ulo Niinemets, Lucian Copolovici., *Ecotoxicology and Environmental Safety* 2013, 87, 70–79. IF 2.482
27. Separation and identification of some non-steroidal anti-inflammatory drugs using TLC and HPLC-MS, B. Tiţa, O.F. Măruţoiu, D. Tiţa, C. Măruţoiu, **M.L. Soran**, Z. Moldovan, *Journal of Planar Chromatography – Mod. TLC* 2012, 25(6), 523-527. IF 0.955
28. Interface charge transfer in polypyrrole coated perovskite manganite magnetic nanoparticles, O. Pana, **M.L. Soran**, C. Leostean, S. Macavei, E. Gautron, C.M. Teodorescu, N. Gheorghe, O. Chauvet, *Journal of Applied Physics*, 2012, 111(4), 044309 - 044309-8. IF 2.210
29. Essentials Oils Determination from *Satureja hortensis* L. by Chromatographic Techniques, **Maria - Loredana Soran**, Codruta Varodi, Simona Codruta Cobzac, Ildiko Lung, *Journal of Essential Oil – Bearing Plants*, 2011, 14(6), 699-707. IF 0.290
30. Comparative study of core-shell iron/iron oxide gold covered magnetic nanoparticles obtained in different conditions, C. Leostean, O. Pana, R. Turcu, **M.L. Soran**, S. Macavei, O. Chauvet, C. Payen, *J. Nanopart. Res.* 2011, 13, 6181-6192. IF 3.287
31. Synthesis and characterization of the core–shell Au covered LSMO manganite magnetic nanoparticles, O. Pana, R. Turcu, **M.L. Soran**, C. Leostean, E. Gautron, C. Payen, O. Chauvet, *Synth. Met.* 2010, 160, 1692-1698. IF 1.871
32. HPTLC Analysis of Thymol in Extracts of *Satureja hortensis* L. Obtained by Different Techniques, **M.L. Soran**, I. Lung, *Journal of Planar Chromatography – Mod. TLC* 2010, 23(5), 320-322. IF 1.247
33. Extraction and chromatographic determination of essential oils from *Ocimum basilicum* L. Leaves, **M. L. Soran**, S. C. Cobzac, C. Varodi, I. Lung, E. Surducan, V. Surducan, *Studia Universitatis “Babes-Bolyai”, Chemia*, 2010, LV(3), 31-38. IF 0.231
34. Separation of Pesticides Mixture by Bidimensional HPTLC, C. Tigae, O.F. Marutoiu, N.G. Baghina, **M. L. Soran**, A. Simionescu, C. Marutoiu, *Revista de chimie*, 2009, 60(5), 494-496. IF 0.389
35. HPTLC Quantification of Some Flavonoids in Extracts of *Satureja hortensis* L. Obtained by Use of Different Techniques, Ildiko Bros, **Maria - Loredana Soran**, Rodica Domnica Briciu, Simona Codruta Cobzac, *Journal of Planar Chromatography – Mod. TLC*, 2009, 22(1), 25-28. IF 0.982
36. Microwave Assisted Thin-Layer Chromatography - an Improved Separation Technique, **Maria-Loredana Soran**, Ildikó Bros, Emanoil Surducan, and Vasile Surducan, *J. Planar Chromatogr.-Mod. TLC*, 2008, 21(4), 243-248. IF 0.982
37. Structure, morphology and magnetic properties of Fe–Au core-shell nanoparticles, O. Pana, C.M. Teodorescu, O. Chauvet, C. Payen, D. Macovei, R. Turcu, **M.L. Soran**, N. Aldea, L. Barbu, *Surface Science* 2007, 601, 4352–4357. IF 1.855
38. Use of Di(n-butyl) and Di(iso-butyl)dithiophosphoric acids as complexing agents in the TLC separation of some d and f transition metal ions, Maria Curtui, **Maria - Loredana Soran**, *J. Planar Chromatogr.-Mod. TLC*, 2007, 20, 153-158. IF 0.683
39. The Organophosphoric Ligands – Complexing Agents in Thin Layer Chromatography, **Maria - Loredana Soran**, Maria Curtui, Diana Gherman, *Revista de chimie*, 2007, 58(5), 447-450. IF 0.261
40. TLC Separation of Metal Ions Using Di(n-butyl)dithiophosphoric Acid and Neutral Organophosphorus Ligands, M. Curtui, **M.L. Soran**, *J. Planar Chromatogr.-Mod. TLC* 2006, 19, 310-314. IF 1.153
- New polypyrrole – multi wall carbon nanotubes hybrid materials, R. Turcu, Al. Darabont, A. Nan, N. Aldea, D. Macovei, D. Bica, L. Vekas, O. Pana, **M.L. Soran**, A.A. Koos, L.P. Biro, *Journal of Optoelectronics and Advanced Materials*, 2006, 8(2), 643-647. IF 1.106
41. Separation of U(VI) and Th(IV) from Some Rare Earths by thin layer chromatography with Di(2-ethylhexyl)dithiophosphoric acid on silica gel, **M.L. Soran**, M. Curtui, C. Măruţoiu, *J. Liq. Chromatogr. & Rel. Techn., Special Issue on Thin Layer Chromatography*, 2005, 28(16), 2515-2524. IF 0.814
42. Quality control of commercial mustard by thin-layer chromatography, C. Măruţoiu, L. Oprean, O.F. Măruţoiu, **M.L. Soran**, C. Tigae, M.C. Goncea, *J. Planar Chromatogr.-Mod. TLC*, 2005, 18(104), 282-284. IF 0.667

43. TLC Separation of Rare Earths Using Di(2-ethylhexyl)dithiophosphoric Acid as Complexing Reagent, **L. Soran**, T. Hodişan, M. Curtui, D. Casoni, *J. Planar Chromatogr.-Mod. TLC*, 2005, 18(102), 160-163. IF 0.667
44. Optimization of separation of some aflatoxins by thin-layer chromatography, C. Măruţoiu, S. Puiu, M.I. Moise, **L. Soran**, O.F. Măruţoiu, L. Boboş, *J. Planar Chromatogr.-Mod. TLC*, 2004, 17, 374-376. IF 0.824
45. HPLC monitoring synthesis of R₂NCH₂ substituted benzene derivatives, **L. Soran**, V. Coman, A. Soran, C. Silvestru, *Central European Journal of Chemistry*, 2004, 2(4), 1-10. IF 0.171
46. Calibration based estimation of detection and determination limits of Cu(II) and Ni(II), for a TLC analytical system, C. Sârbu, **L. Soran**, M. Curtui, *Revista de Chimie (Bucureşti)*, 2004, 55(3), 137-139. IF 0.308
47. Utilizarea unor schimbători de ioni anorganici în cromatografia pe strat subţire I. Separarea unor complecşi pe silicat de zirconiu(IV), C. Măruţoiu, M. Dascălu, **M. L. Soran**, C. Tigae, A. Popescu, C. Spînu, *Revista de Chimie (Bucureşti)*, 2003, 54(2), 178-180. IF 0.291
48. Complecşi ai Sb(III) cu sulfatazozolul, C. Măruţoiu, M. Dascălu, **M.L. Soran**, I. Tarsiche, R. Grecu, R. Morar, *Revista de Chimie (Bucureşti)*, 2001, 52(10), 563-565. IF 0.163

II. Papers published in non-ISI journals:

1. Influenţa condiţiilor de extracţie asupra compoziţiei şi activităţii antioxidante a extractelor liposolubile de măceşe, V. Popovici, R. Sturza, A. Ghendov-Moşanu, **L. Soran**, I. Lung, A. Patraş, *Meridian Ingineresc*, 2018, 1(68), 23-27
2. Microwave Field Effect on Polyphenolic Compounds from Aromatic Plants, **M.L. Soran**, M. Stan, I. Lung, M.R.C. Truşcă, *Journal of Sustainable Development of Energy, Water and Environment Systems*, 2016, 4(1), 48-55.
3. The influence of soil salinity to chlorophylls and β-carotene contents in *Lycopersicon esculentum* Mill, Tomescu D. Sumalan R., **Soran Loredana**, Copolovici L., *Journal of Horticulture, Forestry and Biotechnology*, 2015, 19(2), 35-38
4. Evaluation of Total Chlorophyll Content in Microwave-Irradiated *Ocimum basilicum* L., I. Lung, **M.L. Soran**, M. Stan, C. Bele, C. Matea, *Scientific Bulletin of ESCORENA*, 2013, 8, 31-35
5. Quantification of Total Flavonoids and Phenolic Acids from Microwave Irradiated and Non-irradiated Plants, I. Lung, **M.L. Soran**, M. Stan, D. Podar, *Advances in Research*, 2013, 1(1), 1-10
6. Analytical determination of carotenoids in inland *Ocimum basilicum* L., C.T. Matea, **M.L. Soran**, A. Pinteaa, C. Bele, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (Agriculture)* 2010, 67(2), 298-302
7. The extraction and chromatographic determination of the essentials oils from *Ocimum basilicum* L. by different techniques, **Maria Loredana Soran**, Simona Codruta Cobzac, Codruta Varodi, Ildiko Lung, Emanoil Surducun and Vasile Surducun, *Journal of Physics: Conference Series*, 2009, **182**, 012016
8. Synthesis and characterization of LSMO nanoparticles covered with Au having a core-shell structure, O Pana, R Turcu, **M L Soran**, S. Macavei, C. Leostean, *Journal of Physics: Conference Series*, 2009, **182**, 012071
9. Properties of novel Fe@Au core-shell nanoparticles, C. Leostean, O. Pana, R. Turcu, **M.L. Soran**, *Studia Universitatis Babeş-Bolyai, Physica*, 2008, **LIII**, 2, 39-46
10. Magnetic composites between core-shell Fe@Au nanoparticles and polymers, O. Pana, I. Craciunescu, C. Mijangos, E. Goiti, **M.L. Soran**, R. Turcu, O. Chauvet, *J. Nanostruct. Polym. Nanocomp.* 2007, 3(3), 96-102.
11. TLC separation of U(VI) from Co(II), Ni(II) and Cu(II) on various stationary phases using di(n-butyl)dithiophosphoric acid as complexing agent, **M.L. Soran**, M. Curtui, T. Hodişan, E. Hopîrtean, *Acta Universitatis Cibiniensis, Seria F, Chemia*, 2005, 8(1), 55-59.
12. Some rare earths separation from U(VI) and Th(IV) using dialkyldithiophosphoric acids, **L. Soran**, M. Curtui, T. Hodişan, I. Haiduc, *Analele Universităţii din Oradea, Fascicula Chimie*, 2004, 11, 99-106.
13. Separation of some cations by TLC using di(n-octyl)dithiophosphoric acid as complexing reagent, **L. Soran**, C. Marutoiu, E. Hopirtean, I. Haiduc, *Acta Universitatis Cibiniensis, Seria F, Chemia*, 2003, 6(2), 3-7.
14. Separation and identification of some active compounds from plants by TLC coupled with mass spectrometry, C. Măruţoiu, D. Nica-Badea, M.I. Moise, **M.L. Soran**, A. Sicoe, C.A. Gavrilă, *Annals of West University of Timişoara, Series of Chemistry*, 2003, 12(3), 1629-1636.
15. HPLC determination of some antibiotics, V. Coman, V. Avram, **L. Soran**, R. Grecu, Z. Moldovan şi H. Farkas, *Studia Universitatis Babeş-Bolyai, Physica*, Special Issue 1 (Proceedings of The Third Conference with International Participation on Isotopic and Molecular Processes, PIM), 2003, 427-429.
16. Separation of some cations by TLC using dibutyldithiophosphoric acid as complexing reagent, **M.L. Soran**, C. Măruţoiu, M. Curtui, M. Dascălu, *Chemical and Environmental Research*, 2003, 12(1&2), 135-139.
17. Separation of nickel (II) and copper (II) from different cations by TLC using dipentyldithiophosphoric acid as complexing reagent, **M.L. Soran**, C. Măruţoiu, M. Curtui, T. Hodişan, R. Oprean, *Acta Universitatis Cibiniensis, Seria F, Chemia*, 2002, 5(2), 69-73.
18. Extraction of Zr(IV) with tritolyphosphate, M. Curtui, **M.L. Soran**, *Studia Universitatis "Babeş-Bolyai", Chemia*, 2000, 45(1-2), 169-173.

III. Papers published in proceedings

1. The benefits of data center temperature monitoring
M.R.C. Truşcă, Ş. Albert, **M.L. Soran**

- RO-LCG 2015 Conference, "Grid, Cloud and High-Performance Computing in Science, 28-30 octombrie 2015, Cluj-Napoca
2. Ascorbic acid determination from alcoholic and soft drinks by different techniques, Varodi C., **Soran M. L.**, Lung I., Opriş O., Mureşan L.
International Conference „Modern technologies, in the Food Industry”, 20-22 octombrie 2016, Chişinău, Republica Moldova, 395-400. ISBN: 978-9975-87-138-9
 3. Integrating nano- and microparticles in practical decontamination processes for water and sediments in a green technology approach
T. Eggen, **M.L. Soran**
AIP Conference Proceedings 2015, 1700, doi: 10.1063/1.4938433
 4. Application for temperature and humidity monitoring of data center environment
Ş. Albert, M. R. C. Truşcă, **M. L. Soran**
AIP Conference Proceedings 2015, 1700, doi: 10.1063/1.4938450
 5. Ascorbic acid determination from alcoholic and soft drinks by different techniques
Varodi C., **Soran M. L.**, Lung I., Opriş O., Mureşan L.
Proceedings – International Conference „Modern technologies, in the Food Industry”, 20-22 octombrie 2016., Chişinău, Republica Moldova, 395-400. ISBN: 978-9975-87-138-9
 6. Control and reducing of computing system power consumption,
M.R.C. Truşcă, C. Tudoran, S. Albert, **M.L. Soran**, M. Abrudean
Proceeding of the 9th Conference on Sustainable Development of Energy, Water and Environments Systems, September 20-27, 2014, Venice-Istanbul, SDEWES2014.0083-1 - 10
 7. Microwave field effect on polyphenolic compounds from aromatic plants
M.L. Soran, M. Stan, I. Lung, M.R.C. Trusca
Proceeding of the 9th Conference on Sustainable Development of Energy, Water and Environments Systems, September 20-27, 2014, Venice-Istanbul, SDEWES2014.0086-1 – 7
 8. Environmental Parameters Control in Datacenter
M.R.C. Truşcă, Ş. Albert, **M.L. Soran**, M. Abrudean
Proceeding of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), - THETA 19th edition, May 22-24, 2014, Cluj-Napoca, Romania
 9. Application for some Parameters Monitoring in Installation for Isotopes Separation
M.R.C. Truşcă, Ş. Albert, **M.L. Soran**, C. Varodi, F. Fărcaş, M.L. Unguresan
Proceeding of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), - THETA 19th edition, May 22-24, 2014, Cluj-Napoca, Romania
 10. Synthesis and spectral characterization of Eu doped TiO₂ nanoparticles
M. Stefan, O. Pana, O. Onija, C. Leostean, **M.L. Soran**, M.C. Rosu, S. Gutoiu
AIP Conference Proceedings 2013, 1565, 259-262.
 11. Extraction and GC determination of volatile aroma compounds from extracts of three plant species of the *Apiaceae* family
M. Stan, **M.L. Soran**, C. Varodi, I. Lung, L. Copolovici, C. Măruţoiu
AIP Conference Proceedings 2013, 1565, 75-78.
 12. Power Consumption Monitoring Using Additional Monitoring Device
M.R.C. Truşcă, Ş. Albert, C. Tudoran, **M.L. Soran**, F. Fărcaş, M. Abrudean
AIP Conference Proceedings 2013, 1565, 185-187.
 13. Power consumption monitoring in ITIM Datacenter
M.R.C. Truşcă, Ş. Albert, F. Fărcaş, **M. L. Soran**, M. Abrudean
Proceeding - Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science", 25 – 27 oct. 2012, Cluj-Napoca, Romania, 93-95
 14. ITIM activity in Grid and High Performance Computing
F. Fărcaş, M.R.C. Truşcă, Ş. Albert, **L. Soran**, G. Popeneciu
Proceeding - Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science", 25 – 27 oct. 2012, Cluj-Napoca, Romania, 27-30
 15. Implementation of an Additional Monitoring Device to Prevent Failures of the Cooling Systems
M.R.C. Truşcă, Ş. Albert, F. Fărcaş, **M. L. Soran**, M. Abrudean
Proceeding of 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), - THETA 18th edition, May 24-27, 2012, Cluj-Napoca, Romania, M1 225
 16. Determination of flavonoids in *Triticum aestivum* L. treated with ampicillin
M.L. Soran, O. Opris, F. Copaciu, C. Varodi
AIP Conference Proceedings, 2012, 1425, 47-49
 17. Extraction and identification of flavonoids from parsley extracts by HPLC analysis
M. Stan, **M.L. Soran**, C. Varodi, I. Lung
AIP Conference Proceedings, 2012, 1425, 50-52
 18. Magnetization enhancement of magnetic nanoparticles coated with polypyrrole
O. Pana, C. Leostean, **M.L. Soran**, M. Stefan, S. Macavei, N.G. Gheorghie, C.M. Teodorescu
AIP Conference Proceedings, 2012, 1425, 135-138
 19. Structural characterization of zinc sulphide thin films by radial distribution function analysis using X-ray scattering
M. Stefan, E. Indrea, E.J. Popovici, **M.L. Soran**, O. Pana

- AIP Conference Proceedings*, 2012, 1425, 155-158
20. Microwave degradation of sunflower oil. Complementary study by photopyroelectric and infrared spectroscopy, gas chromatography and fluorescence.
I. Bros, M. Streza, **M.L. Soran**, V. Surducan, E. Surducan, I. Bratu, R. Pop, C. Neamtu, D. Dadarlat
Proceeding of the International Conference „Agricultural and Food Sciences, Processes and Technologies” (International Conference „Agricultural and Food Sciences, Processes and Technologies”, Third edition, Sibiu, April 26-27, 2007), 2007, 5-12; ISSN 1843-0694
 21. Photothermal methods applied for investigation of early spoilage of some vegetable oils
M. Streza, I. Bros, **M.L. Soran**, V. Surducan, E. Surducan, I. Bratu, I. Kacso, S.I. Farcas, C. Neamtu, D. Dadarlat
Proceeding of the International Conference „Agricultural and Food Sciences, Processes and Technologies” (International Conference „Agricultural and Food Sciences, Processes and Technologies”, Third edition, Sibiu, April 26-27, 2007), 2007, 83-90; ISSN 1843-0694
 22. Separation, identification and determination of some hard metals from Silybum Marianum L
Măruțoiu C., Gogoșă I., Măruțoiu Olivia Florena, **Maria-Loredana Soran**, Nica Badea Delia
Metal Elements in Environment Medicine and Biology, Timișoara, Publishing House Eurobit, 2006, 241-243; ISBN 973-620-119-8, ISSN 1583-4204
 23. TLC separation of Th(IV) and lanthanides(III) on various stationary phases using HDEHDTP as complexing agent
M.L. Soran, M. Curtui, D. Gherman
Studia Universitatis Babes-Bolyai, Chemia, 2007, **52**(4), 95-102
 24. The use of organodithiophosphoric acids for separation and determination of some metal ions from residual waters
Maria-Loredana Soran, Maria Curtui, Iovanca Haiduc, Diana Gherman
Studia Universitatis Babes-Bolyai, Chemia, 2006, **LI**(2), 21-26.
 25. The use of organodithiophosphoric acids for separation and determination of some metal ions from residual waters
Maria-Loredana Soran, Maria Curtui, Iovanca Haiduc, Diana Gherman
Studia Universitatis Babes-Bolyai, Chemia, 2006, **LI**(2), 21-26.
 26. Separation, identification and determination of some metal ions from *Calendula Officinalis L.*
C. Măruțoiu, L. Oprean, M.I. Moise, O.F. Măruțoiu, **L. Soran**, M.L. Rusu
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