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INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU
TEHNOLOGII IZOTOPICE SI MOLECULARE
Departamentul de Fizica Sistemelor Nanostructurate

LISTA DE LUCRĂRI ȘTIINȚIFICE

1. Teza de doctorat:

Utilizarea derivaților acizilor tiofosforici ca agenți extractanți în cromatografia de extracție, 2005

2. Carte, capitole si articole publicate in carti:

2.1. Carte publicata in tara

1. **Maria – Loredana Soran** “*Cromatografia de extracție – Metoda de separare a ionilor metalici*”, Ed. Risoprint, Cluj-Napoca, 2009, ISBN 978-973-53-0041-8

2.2. Capitole în cărți publicate in tara

1. C. Coman, **M. L. Soran**, A. Farkas
Capitolul 1: Prelevarea probelor de mediu pentru investigarea reziduurilor de antibiotice, a diversitatii microbiene si a rezistentei la antibiotice, în Ghid metodologic de monitorizare a antibioticelor și a rezistenței la antibiotice în mediul înconjurător, editat de către Cristian Coman în limba română (pp. 25-39) și în limba engleză (pp. 201-214), **2016**. Editura ©Accent, Cluj-Napoca. ISBN 978-606-561-165-8.
2. **M. L. Soran**, **O. Opreș**, I. Lung
Capitolul 3: Investigarea poluării mediului înconjurător cu antibiotice, în Ghid metodologic de monitorizare a antibioticelor și a rezistenței la antibiotice în mediul înconjurător, editat de către Cristian Coman în limba română (pp. 63-77) și în limba engleză (pp. 237-251), **2016**. Editura ©Accent, Cluj-Napoca. ISBN 978-606-561-165-8.

2.2. Articole publicate in volum in strainatate

1. Nucleic Acid Derivatives: Analysis by TLC,
M.L. Soran, C. Măruțoiu
Encyclopedia of Chromatography, 2008, Edited by J. Cazes. Marcel. Dekker, Inc., New York, ISBN: 978-0-8247-2785-7 (hardback) 978-0-8247-2788-8 (electronic)
2. Peptides and Proteins: Analysis by TLC
C. Măruțoiu, **M.L. Soran**
Encyclopedia of Chromatography, 2008, Edited by J. Cazes. Marcel. Dekker, Inc., New York, ISBN: 978-0-8247-2785-7 (hardback) 978-0-8247-2788-8 (electronic)
3. Circular and Anticircular TLC
C. Măruțoiu, **M.L. Soran**
Encyclopedia of Chromatography, 2008, Edited by J. Cazes. Marcel. Dekker, Inc., New York, ISBN: 978-0-8247-2785-7 (hardback) 978-0-8247-2788-8 (electronic)

3. Articole publicate in reviste de specialitate de circulatie internationala recunoscute sau in reviste din tara recunoscute de catre CNCSIS

3.1. Articole publicate in reviste indexate ISI

1. 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
2. The efficiency of the multi-walled carbon nanotubes used for antibiotics removal from wastewaters generated by animal farms
Soran M.L., Opreș O., Lung I, Kacso I., Porav A.S., Stan M.
Environmental Science and Pollution Research 2017, 24(19), 16396–16406
IF 2,741
3. 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 Opreș, **Maria-Loredana Soran**, Adrian-Stefan Andrei, Knut Rudi, Jose Luis Balcazar, Nicolae Dragos, Cristian Coman
Environmental Pollution, 2017, 225, 304-315
IF 5,099
4. 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. Opreș, 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
5. Determination of Antibiotics in Surface Water by Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode Array and Mass Spectrometry Detection
Maria-Loredana Soran, Ildikó Lung, Ocsana Opreș, Veronica Floare-Avram, and Cristian Coman
Anal. Lett., 2016, 50(7), 1209 - 1218, doi: 10.1080/00032719.2016.1209516
IF 1,150
6. The optimization of the antibiotics extraction from wastewaters and manure using Box-Behnken experimental design
Opreș 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
7. 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.**, Opreș O., Trușcă M. R. C., Niinemets Ü., Copolovici L.
Science of the Total Environment, 2016, 569–570, 489–495
IF 4,900

8. Determination of Myristicin and Linalool in Plants Exposed to Microwave Radiation by High-Performance Liquid Chromatography
I. Lung, M. Stan, O. Opreș, **M.L. Soran**
Analytical letters, 2015, 48(4), 567-574
IF 1,088
9. 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
10. 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 Babeș-Bolyai, Chemia 2014, LIX, 1, p. 125-133
IF 0,191
11. High performance thin-layer chromatographic quantification of myristicin and linalool from leaf extracts of microwave-irradiated parsley, dill and celery
Manuela Stan, Ocsana Opreș, Ildiko Lung, **Maria L. Soran**
Journal of planar chromatography – Mod. TLC 2014, 27(2), 97-101
IF 0,670
12. 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
13. High-performance thin-layer chromatographic quantification of some essential oils from *Anethum graveolens* extracts
Manuela Stan, Ildiko Lung, Ocsana Opreș, **Maria L. Soran**
Journal of planar chromatography – Mod. TLC 2014, 27(1), 33-37
IF 0,670
14. 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.
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15. 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.
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16. 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 Opreș, **Maria-Loredana Soran**, Virginia Coman, Florina Copaciu, Dumitru Ristoiu
Central European Journal of Chemistry 2013, 11(8), 1343-1351
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17. 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
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18. Effect of microwave irradiation on polyphenolic compounds from *Satureja hortensis* L.
I. Lung, **M.L. Soran**, C. Tudoran, C. Măruțoiu
Central European Journal of Chemistry 2013, 11(4), 535-541
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19. 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, **María Loredana Soran**, Dumitru Ristoiu, Ulo Niinemets, Lucian Copolovici,
Ecotoxicology and Environmental Safety 2013, 87, 70–79
IF 2,482
20. Separation and identification of some non-steroidal anti-inflammatory drugs using TLC and HPLC-MS
B. Tița, O.F. Măruțoiu, D. Tița, C. Măruțoiu, **M.L. Soran**, Z. Moldovan
Journal of Planar Chromatography – Mod. TLC 2012, 25(6), 523-527
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21. 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
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22. Essentials Oils Determination from *Satureja hortensis* L. by Chromatographic Techniques
María - Loredana Soran, Codruta Varodi, Simona Codruta Cobzac, Ildiko Lung
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23. 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
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24. 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
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25. 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
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26. Extraction and chromatographic determination of essentials 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
27. 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
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28. 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
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29. Microwave Assisted Thin-Layer Chromatography - an Improved Separation Technique
Maria-Loredana Soran, Ildikó Broş, Emanoil Surducan, and Vasile Surducan
J. Planar Chromatogr.-Mod. TLC, 2008, 21(4), 243-248
IF 0,982
30. 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
31. 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
32. 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
33. 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
34. 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.
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35. 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.
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36. 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.
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37. 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
38. 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
39. 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
40. 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
41. 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.
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42. 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

3.2. Articole publicate in reviste necotate ISI

1. 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.
2. 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
3. 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
4. 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
5. 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

6. The extraction and chromatographic determination of the essential oils from *Ocimum basilicum L.* by different techniques
Maria Loredana Soran, Simona Codruta Cobzac, Codruta Varodi, Ildiko Lung, Emanoil Surducan and Vasile Surducan
Journal of Physics: Conference Series, 2009, **182**, 012016
7. 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
8. 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
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. HPLC determination of some antibiotics,
V. Coman, V. Avram, **L. Soran**, R. Grecu, Z. Moldovan şi H. Farkas,
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15. 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.
16. 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.

17. Extraction of Zr(IV) with tritolyolphosphate,
M. Curtui, **M.L. Soran**,
Studia Universitatis "Babeş-Bolyai", Chemia, 2000, **45**(1-2), 169-173.

4. Studii publicate in volumele unor manifestari stiintifice internationale recunoscute din tara si din strainatate

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. Farcas, 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. Măruțoiu
AIP Conference Proceedings 2013, 1565, 75-78.
12. Power Consumption Monitoring Using Additional Monitoring Device
M.R.C. Trușcă, Ș. Albert, C. Tudoran, **M.L. Soran**, F. Fărcaș, M. Abrudean
AIP Conference Proceedings 2013, 1565, 185-187.
13. Power consumption monitoring in ITIM Datacenter
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **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. Fărcaș, M.R.C. Trușcă, Ș. 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. Trușcă, Ș. Albert, F. Fărcaș, **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. Gheorghe, 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. Surducun, E. Surducun, 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. Surducun, E. Surducun, 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
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Metal Elements in Environment Medicine and Biology, Timișoara, Publishing House Eurobit, 2006,
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complexing agent
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25. The use of organodithiophosphoric acids for separation and determination of some metal ions from residual
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27. Contrôle d'identité et de pureté de quelques antibiotiques utilisés à produire des sensidiscs pour
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COFrRoCA – 2004 (Proceeding of the *Troisième Colloque Franco-Roumain de Chimie Appliquée*,
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5. Brevete

E.Surducan, V.Surducan, **Soran Maria Loredana**, Bros Ildiko, "Instalație de separare a compusilor
chimici prin cromatografie în prezenta câmpului de microunde de putere " RO 123363 din 28.10.2011

6. Proiecte de cercetare-dezvoltare-inovare pe baza de contract / grant

Nr. Crt.	Programul/Proiectul	Funcția	Perioada: de la... până la...
1	2	3	4
1	ORIZONT (Contract 318 / 1996, Act adit. 26 / 2000) Studii privind obținerea și caracterizarea unor noi compuși ce pot fi utilizați la conservarea obiectelor de patrimoniu	Executant	2000
2	GRANT Nr. 318 / 2000 (Contract 6117 / 17.10.2000, 33495 / 17.07.2002) Cercetări privind sinteza și caracterizarea unor compuși chimic modificați ai aluminei	Executant	2000 – 2001
3	LEONARDO DA VINCI (Contract 94/819/CE, subcontract 4544 / 2.10.2000) Centre Regional d'Expertise et Formation en Recyclage et Protection de l'Environnement	Executant	1999 – 2001

Nr. Crt.	Programul/Proiectul	Funcția	Perioada: de la... până la...
1	2	3	4
4	GRANT Recuperarea uraniului din surse sarace si separarea de alte elemente insotitoare	Executant	1999-2001
5	RELANSIN (Contract 1035 / 11.01.2001) Tehnologie de reținere și denocivizare a fracțiilor poluate/toxice rezultate la incinerarea deșeurilor nevalorificabile cu conținut de pesticide	Executant	2001 – 2002
6	CERES (Contract 130 / 16.10.2001) Contribuții fundamentale și aplicative privind electrosinteza unor compuși organici (ELSINT-ORG)	Executant	2001 – 2003
7	VIASAN (Contract 059 / 29.10.2001) Sensidiscuri pentru antibiograme	Executant	2001 – 2003
8	CERES (Contract 65 / 13.11.2002) Dielectrocromatografia plană. Metodă și cameră dielectrocromatografică orizontală	Executant	2002 – 2004
9	CERES (Contract 32 / 12.11.2002) Cercetări în chimia compușilor staniu – organici	Executant	2002 – 2004
10	CERES (Contract 3–77 / 07.11.2003) Procesare dinamica a substantei in camp de microunde de putere in sistem cu control inteligent	Executant	2003 - 2005
11	CERES (Contract 3–113 / 13.11.2003) Cercetări privind comportamentul cromatografic și electrochimic al unor compuși chimici care definesc autenticitatea vinurilor (cro-el-vin)	Executant	2003 - 2004
12	CERES (Contract 4-93 / 04.11.2004) Sisteme magnetice micro și nano compozite de tipul perovskit de Mn – materiale diamagnetice	Executant	2004 - 2006
13	MATNANTECH (Contract 263(409) / 12.10.2004) Nanostructuri de perovskiți manganitici pentru aplicații ca atenuatori de microunde controlabili prin câmp magnetic	Executant	2004 - 2006
14	CERES (Contract 4-139 / 04.11.2004) Sisteme hibride nanostructurate pe baza de polimeri conductori, nanoparticule magnetice si nanotuburi de carbon	Executant	2004 – 2006
15	CEEX (Contract C-2995 / 11.10.2005) Separarea si determinarea unor metale din probe de apa, utilizand derivati ditiofosforici ca agenti complexanti	Director proiect	2005 - 2007
16	CEEX (Contract C-2996 / 11.10.2005) Caracterizarea si controlul proprietatilor magnetice si structurale ale nanofirelor magnetice	Executant	2005 - 2007
17	CEEX (Contract CEX 05-D11-32) Magnetismul clusterilor in interactiune: procese fundamentale si aplicatii	Executant	2005 - 2008
18	CEEX (Contract nr. 12 / 2005) Nanostructuri functionalizate pe baza de polimeri conjugati si nanocompozitele acestora	Executant	2005 - 2008

Nr. Crt.	Programul/Proiectul	Funcția	Perioada: de la... până la...
1	2	3	4
19	CEEX 1433/27.04.2006 Analiza calitatii uleiurilor vegetale prin aplicarea unui ansamblu de metode performante optotermice si cromatografice	Director proiect	2006 - 2008
20	CEEX 1443/27.04.2006 Nanostructuri functionalizate pe baza de polipirol	Executant	2006 - 2008
22	CEEX 59 / 2006 Nanoparticule magnetice cu structura „core-shell” acoperite cu metale nobile si polimeri conductori – sinteza, caracterizare si aplicatii	Executant	2006 - 2008
23	PN II 71-119 / 2007 Configuratii ordonate de nanoparticule feromagnetice si superparamagnetice	Executant	2007 - 2010
24	PN II 71-063 / 2007 Materiale cu magnetizare indusa, controlabila prin parametri externi	Executant	2007 - 2010
25	PNII 51-098 / 2007 Influenta microundelor asupra compusilor bioactivi prezenti in plantele autohtone	Director de proiect	2007 - 2010
26	Proiect PC6 –"Nanostructured and Functional Polymer-Based Materials and Nanocomposites” (NANOFUN-POLY) – Network of Excellence (NoE) nr. 500361-2 , Prioritatea 3-NMP, finanțat de Comunitatea Europeana	Executant	2004 - 2008
27	CAPACITATI, Modul III, proiect bilateral Brancusi: Contract nr. 320-1 / 20.05.2009 “Sisteme hibride polimeri / nanoparticule magnetice”	Executant	2009 - 2010
28	PN 09-44 02 02 Metode de investigare a sistemelor nanostructurate cu structura core-shell si a clusterilor metalici prin difractia de raze X si spectroscopia de absorbtie de raze X, XPS si de tunelare	Executant	2009
29	POSCCE ID 550 Metode avansate de sinteză a materialelor hibride	Executant	2010 - 2014
30	PCCE ID_76/2010 Stiinta suprafetelor si interfetelor:fizica, chimie, biologie, aplicatii	Executant	2010 - 2013
31	PN2-PCE ID_119/2011 Nanoparticole compozite core-shell pe baza de Fe si Pt cu proprietati magnetice, dispersive si functionale ajustabile	Executant	2011 - 2014
32	PN2-RU-TE 76/2011 Efectul microundelor asupra uleiurilor esentiale si metabolitilor secundari din cateva plante indigene	Director de proiect	2011 - 2014
33	EEA Grants, 3499/20.05.2015 Ghid metodologic de monitorizare a antibioticelor și a rezistenței antimicrobiene în mediu ca instrument suport pentru îmbunătățirea managementului calității apelor de suprafață și a pânzei freatice	Responsabil de proiect	2015 - 2016

Nr. Crt.	Programul/Proiectul	Funcția	Perioada: de la... până la...
1	2	3	4
34	PN16-30 02 02 Materiale nanostructurate cu proprietăți controlate pentru aplicații specifice în sănătate și mediu	Executant	2016 - 2017
35	PN16-30 02 05 Nanomateriale avansate pentru producerea și stocarea de energie	Executant	2016 - 2017
36	35/BM/19.09.2016 Substituirea aditivilor alimentari sintetici cu componenți bioactivi extrași din resurse naturale regenerabile	Director de proiect	2016 - 2018

7. Lucrari comunicate la conferinte internationale

- Removal of different pollutants from aqueous solutions using magnetite nanoparticles
Stan M., Lung I., **Soran M.-L.**, Opreș O., Leoștean C., Popa A., Ștefan M., Lazăr M. D., Silipaș T. D., Porav A. S.,
Workshop „*Integrated nanodevices for environmental analysis*”, 26 mai 2017, Cluj-Napoca, România.
- Antibiotics removal with carbon nanotubes
Soran M.L., Opreș O., Lung I., Kacso I., Porav A. S., Stan M.
Workshop „*Integrated nanodevices for environmental analysis*”, 26 mai 2017, Cluj-Napoca, România
- Improving of the GRID computing system efficiency
M R C Trușcă, F Fărcaș, Ș Albert, **M L Soran**
RO-LCG 2016 Conference, "Grid, Cloud and High-Performance Computing in Science, 26-28 octombrie 2016, Bucuresti
- Ascorbic acid determination from alcoholic and soft drinks by different techniques,
Varodi C., **Soran M. L.**, Lung I., Opreș O.,
„Modern technologies, in the Food Industry”, 20-22 octombrie, Chișinău, Republica Moldova.
- Investigarea poluării mediului înconjurător cu antibiotice,
Soran M. L., Opreș O., Lung I.
Conferința de prezentare a rezultatelor proiectului EnviroAMR "Ghid metodologic de monitorizare a antibioticelor și a rezistenței antimicrobiene în mediu ca instrument suport pentru îmbunătățirea managementului calității apelor de suprafață și a pânzei freatică", 31 octombrie 2016, Cluj-Napoca.
- Testing the efficiency of carbon nanotubes for removal of antibiotics from aqueous solutions
Opreș O., **Soran M. L.**, Lung I., Kacso I., Stan M., Porav A. S., Copaciu F.,
„*15th International Symposium – Prospects for the 3^d Millennium Agriculture*”, 29 septembrie – 01 octombrie 2016, Cluj-Napoca.
- Catalytic activity evaluation of MnO₂ nanoparticles obtained with plant extracts,
Opreș O., **Soran M. L.**, Lung I., Stan M., Kacso I., Lazăr D., Leoștean C., Pană O., Porav A. S., Silipaș T. D.,
„*15th International Symposium – Prospects for the 3^d Millennium Agriculture*”, 29 septembrie – 01 octombrie 2016., Cluj-Napoca.

8. Synthesis and characterization of nanoparticles based on iron and manganese oxides
16th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2016), 7-9 iulie, Constanța, Romania
I. Lung, **M.L. Soran**, M. Stan, O. Opreș, I. Kacso, C. Leostean, M. Stefan, O. Pana
9. Application Of Magnetite Nanoparticles Synthesized Using Agricultural Sources For Removal Of Lanasyne Red Dye
The Fourth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2016", 29 iunie – 01 iulie, 2016, Brașov, Romania
I. Lung, M. Stan, O. Opreș, **M.L. Soran**, C. Leostean, F. Copaciu, S.A. Porav
10. Magnetic Iron Oxide (Fe₃O₄) Nanoparticles From Agro-Wastes For Removal Of Antibiotic Pollutants From Waters
The Fourth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2016", 29 iunie – 01 iulie, 2016, Brașov, Romania
M. Stan, I. Lung, **M.L. Soran**, C. Leostean, T.D. Silipaș, S.A. Porav
11. Quantification of Some Antibiotics from Different Classes from Waste Waters
7th International Conference on Environmental Science and Technology (ICEST 2016), 10-12 iunie 2016, Barcelona, Spania
Maria - Loredana Soran, Ocsana Opreș, Ildiko Lung, Mihail Radu Cătălin Trușcă and Manuela Stan
12. Determination of Penicillins, Tetracyclines and Cephalosporins from Manure
7th International Conference on Environmental Science and Technology (ICEST 2016), 10-12 iunie 2016, Barcelona, Spania
Mihail Radu Cătălin Trușcă, Ocsana Opreș, Ildiko Lung, **Maria - Loredana Soran** and Veronica Floare - Avram
13. The benefits of data center temperature monitoring
RO-LCG 2015 Conference, "Grid, Cloud and High-Performance Computing in Science, 28-30 octombrie 2015, Cluj-Napoca
M.R.C. Trușcă, Ș. Albert, **M.L. Soran**
14. Antibiotics determination from waste waters
10th Conference on Sustainable Development of Energy, Water and Environment Systems, September 27 - October 3, 2015, Dubrovnik, Croatia
Mihail Radu Cătălin Trușcă, Ildiko Lung, Ocsana Opreș, **Maria - Loredana Soran**
15. Identification and quantification of antibiotics from manure used as biofertilizer
10th Conference on Sustainable Development of Energy, Water and Environment Systems, September 27 - October 3, 2015, Dubrovnik, Croatia
Maria - Loredana Soran, Ocsana Opreș, Ildiko Lung, Mihail Radu Cătălin Trușcă
16. Determination of the most used antibiotics in Romania from environmental samples
43rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Beijing, China, sept. 2015
Ildiko Lung, Ocsana Opreș and **Maria-Loredana Soran**
17. Optimization of antibiotics determination from manure
43rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Beijing, China, sept. 2015
Ocsana Opreș, **Maria-Loredana Soran** and Ildiko Lung

18. Application for Temperature and Humidity Monitoring of Data Center Environment
10th International Conference "Processes in Isotopes and Molecules" PIM 2015 –23 – 25 September, Cluj-Napoca, Romania
Ș. Albert, M.R.C. Trușcă, **M.L. Soran**
19. The influence of microwaves generated by WLAN device on the polyphenolic compounds from Lactuca sativa
10th International Conference "Processes in Isotopes and Molecules" PIM 2015 –23 – 25 September, Cluj-Napoca, Romania
M. L. Soran, I. Lung, M. Stan, O. Opreș
20. Antioxidant capacity of some aromatic plants and their synergistic activity
10th International Conference "Processes in Isotopes and Molecules" PIM 2015 –23 – 25 September, Cluj-Napoca, Romania
I. Lung, **M.L. Soran**, O. Opreș, M. Stan
21. The influence of some frequent environmental pollutants on carotenoid pigments and total flavonoid content in Triticum Aestivum
10th International Conference "Processes in Isotopes and Molecules" PIM 2015 –23 – 25 September, Cluj-Napoca, Romania
O. Opreș, F. Copaciu, **M L Soran**, L Copolovici, Ü Niinemets
22. Temperature and Active Power Monitoring in INCDTIM Data Center
RO-LCG 2014 Conference, "Grid, Cloud and High-Performance Computing in Physics Research, 3-5 noiembrie 2014, Bucuresti
M.R.C. Trușcă, Ș. Albert, **M.L. Soran**, M.I. Abrudean
23. The GSM Microwave Field Influence on Vitamin C and Polyphenols from Celery
2nd International Congress on Energy Efficiency and Energy Related Materials (ENEFM2014), October 16-19, 2014, Oludeniz, Turcia
M. L. Soran, M. Stan, I. Lung, M. R. C. Trușcă
24. Electricity Consumption Reducing by Use the Application UPT 210
2nd International Congress on Energy Efficiency and Energy Related Materials (ENEFM2014), October 16-19, 2014, Oludeniz, Turcia
M.R.C. Trușcă, Ș. Albert, **M.L. Soran**, M.I. Abrudean
25. Control and reducing of computing systems power consumption
9th Conference on Sustainable Development of Energy, Water and Environments Systems, September 20-27, 2014, Venice-Istanbul
Mihail Radu Catalin Trușcă, Cristian Tudoran, Stefan Albert, **Maria - Loredana Soran**, Mihail Abrudean
26. Microwave Field Effect on Polyphenolic Compounds from Aromatic Plants
9th Conference on Sustainable Development of Energy, Water and Environments Systems, September 20-27, 2014, Venice-Istanbul
M.L. Soran, M. Stan, I.Lung, M.R.C. Trusca
27. Effect of microwave field on total polyphenol and antioxidant activity of dill
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
I. Lung, **M.L. Soran**, M. Stan

28. Mirysticin and linalool content variation in microwave stressed aromatic plants
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
I. Lung, **M.L. Soran**, M. Stan, O. Opriş
29. Environment protection by parameters monitoring and energy consumption reducing from different systems
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
M.R.C. Truşcă, C. Tudoran, Ş. Albert, F. Fărcaş, **M.L. Soran**
30. The influence of microwave fields on volatile organic compounds from three Romanian aromatic plants
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
M. Stan, **M.L. Soran**, I. Lung, L. Copolovici
31. Microwave fields effect on the essential oils from some aromatic plants
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
M.L. Soran, M. Stan, I. Lung, L. Copolovici, M.R.C. Truşcă
32. Analysis on some fruits commercialized on Romanian market
XVI YUCORR, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, June 23 - 26, 2014, Tara Mountain, Serbia
A. Dehelean, D.A. Magdas, **M.L. Soran**
33. Environmental Parameters Control in Datacenter
2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014),- THETA 19th edition, May 22-24, 2014, Cluj-Napoca, Romania
M.R.C. Truşcă, Ş. Albert, **M.L. Soran**, M. Abrudean
34. Application for some Parameters Monitoring in Installation for Isotopes Separation
2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014),- THETA 19th edition, May 22-24, 2014, Cluj-Napoca, Romania
M.R.C. Truşcă, Ş. Albert, **M.L. Soran**, C. Varodi, F. Farcas, M.L. Unguresan
35. Monitoring Data Center Power Consumption
ATLAS Annual Meeting, 17 – 18 octombrie, 2013, Timisoara, Romania
M.R.C. Truşcă, Ş. Albert, C. Tudoran, **M.L. Soran**, F. Fărcaş, M. Abrudean
36. The Influence of Microwave Field on Vitamin C from Indigenous Seasoning Plants
International Congress on Energy Efficiency and Energy Related Materials, October 9-12, 2013, Kemer, Turcia
M.L. Soran, M. Stan, I. Lung, C. Varodi, M.R.C. Truşcă
37. Methods for Monitoring of Data Center Parameters to Reduce Energy Consumption
International Congress on Energy Efficiency and Energy Related Materials, October 9-12, 2013, Kemer, Turcia
M.R.C. Truşcă, C. Tudoran, Ş. Albert, F. Fărcaş, M. Abrudean, **M.L. Soran**
38. Extraction and gas chromatographic determination of essential oils from three plant species of the Apiaceae family
International Conference “Processes in Isotopes and Molecules” PIM 2013 –24 – 27 September, Cluj-Napoca, Romania

- M. Stan, **M.L. Soran**, C. Varodi, I. Lung, L. Copolovici, C. Măruțoiu
39. The monitoring of power consumption using additional monitoring device
International Conference "Processes in Isotopes and Molecules" PIM 2013 –24 – 27 September, Cluj-Napoca, Romania
M.R.C. Trușcă, Ș. Albert, C. Tudoran, **M.L. Soran**, F. Fărcaș, M. Abrudean
40. Quantification of ascorbic acid in parsley, dill and celery from Romania
International Conference "Processes in Isotopes and Molecules" PIM 2013 –24 – 27 September, Cluj-Napoca, Romania
M. L. Soran, M Stan, I Lung, O Opris
41. Separation and identification of volatile compounds from *Petroselinum crispum* L. by thin layer chromatography
International Conference "Processes in Isotopes and Molecules" PIM 2013 –24 – 27 September, Cluj-Napoca, Romania
I. Lung, M. Stan, **M. L. Soran** and O. Opris
42. Determination of Essential Oils from *Anethum graveolens* L. by Thin Layer Chromatography
The First Mediterranean Symposium on Medicinal and Aromatic Plants, MESMAP-2013, 17-20 April, 2013, Gazimagosa (Famagusta), Turkish Republic of Northern Cyprus
M. Stan, I. Lung, **M.L. Soran**
43. Determination of Essential Oils from Three Romanian Aromatic Herbs using Thin Layer Chromatography
The First Mediterranean Symposium on Medicinal and Aromatic Plants, MESMAP-2013, 17-20 April 2013, Gazimagosa (Famagusta), Turkish Republic of Northern Cyprus
M.L. Soran, M. Stan, I. Lung
44. Extraction and Determination of Essential Oils from Celery Using Modern Techniques
The First Mediterranean Symposium on Medicinal and Aromatic Plants, MESMAP-2013, 17-20 April, 2013, Gazimagosa (Famagusta), Turkish Republic of Northern Cyprus
I. Lung, M. Stan, **M.L. Soran**,
45. Power consumption monitoring in ITIM Datacenter
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **M. L. Soran**, M. Abrudean
Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science", 25 – 27 oct. 2012, Cluj-Napoca, Romania
46. ITIM activity in Grid and High Performance Computing
F. Fărcaș, M.R.C. Trușcă, Ș. Albert, **L. Soran**, G. Popeneciu
Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science", 25 – 27 oct. 2012, Cluj-Napoca, Romania
47. Temperature monitoring in Grid infrastructure
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **M. L. Soran**, I. Szabo
The 5th International Conference "Distributed Computing and Grid-technologies in Science and Education", July 16 - 21, 2012, Dubna, Russia
48. HPLC Determination of Vitamin C from Indigenous Parsley Extracts Obtained by Different Extraction Techniques
M.L. Soran, M. Stan, I. Lung, M.R.C. Trușcă
7th Conference on Sustainable Development of Energy, Water and Environment Systems, 1 - 7 iulie 2012, Ohrid, Macedonia

49. Techniques for establishing and maintaining constant temperature in ICT systems in order to reduce energy consumption
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **M. L. Soran**
7th Conference on Sustainable Development of Energy, Water and Environment Systems, 1 - 7 iulie 2012, Ohrid, Macedonia
50. Determination of Vitamin C in Parsley Grown in the Microwave Field
M.L. Soran, M. Stan, C. Varodi, I. Lung, C. Tudoran, M.R.C. Trușcă
1st International Congress of Environmental Science and Technology; 1st National Congress of the Argentinean Society of Environmental Sciences and Technologies, 28 mai - 01 iunie 2012, Mar del Plata, Argentina
51. Variation in the Amount of Flavonoids in Triticum aestivum L. Treated with Penicillin G
M.L. Soran, O. Opriș, F. Copaciu, C. Varodi
1st International Congress of Environmental Science and Technology; 1st National Congress of the Argentinean Society of Environmental Sciences and Technologies, 28 mai - 01 iunie 2012, Mar del Plata, Argentina
52. Temperature Monitoring in Different Systems and its Influence on Energy Consumption
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **M. L. Soran**
1st International Congress of Environmental Science and Technology; 1st National Congress of the Argentinean Society of Environmental Sciences and Technologies, 28 mai - 01 iunie 2012, Mar del Plata, Argentina
53. Implementation of an Additional Monitoring Device to Prevent Failures of the Cooling Systems
M.R.C. Trușcă, Ș. Albert, F. Fărcaș, **M. L. Soran**, M. Abrudean
2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012),- THETA 18th edition -, May 24-27, 2012, Cluj-Napoca, Romania
54. Vitamin C from indigenous plants – extraction and electrochemical detection
Codruta Varodi, Manuela Stan, **Maria Loredana Soran**, Liana Maria Muresan
Second International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, 2012, 24 – 27 Mai, Brașov, România
55. Determination of phenolic compounds from Ocimum basilicum L. by different extraction methods
I. Lung, **M.L. Soran**, M. Stan, E. Surducu, C. Măruțoiu
Second International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, 2012, 24 – 27 Mai, Brașov, România
56. Chromatographic identification and determination of essential oils from some indigenous spice plants
M. Stan, I. Lung, **M.L. Soran**, C. Varodi, C. Măruțoiu
Second International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, 2012, 24 – 27 Mai, Brașov, România
57. GC-FID determination of essential oils from parsley extracts obtained by different extraction techniques
I. Lung, M. Stan, **M.L. Soran**, C. Varodi
Second International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, 2012, 24 – 27 Mai, Brașov, România
58. Change the antioxidant character of basil by growth in microwave field
I. Lung, **M.L. Soran**, C. Matea, C. Bele
International Conference "Processes in Isotopes and Molecules" PIM 2011 – September 29 – 01 October, Cluj-Napoca, Romania

59. Identification of flavonoids from parsley extracts by HPLC analysis
M. Stan, **M.L. Soran**, C. Varodi, I. Lung
International Conference "Processes in Isotopes and Molecules" PIM 2011 – September 29 – 01 October, Cluj-Napoca, Romania
60. Determination of Flavonoids In *Triticum aestivum* L. Treated With Ampicillin
M.L. Soran, O. Opreș and F. Copaciu
International Conference "Processes in Isotopes and Molecules" PIM 2011 – September 29 – 01 October, Cluj-Napoca, Romania
61. Determination of Some Frequently Used Antibiotics from Waste Waters Using High Performance Liquid Chromatography
Ocsana Opris, **Maria-Loredana Soran**, Costel Sarbu, Florina Copaciu, Virginia Coman, Dumitru Ristoiu
36th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, 19-23 iunie, Budapesta, Ungaria
62. Flavonoids and Chlorophyll Fluorescence Modification in Rye (*Secale cereale* L.) Treated with Ampicillin
Ocsana Opris, **Maria-Loredana Soran**, Florina Copaciu, Dorina Podar, Virginia Coman
17th International Symposium on Separation Sciences, News and Beauty in Separation Sciences, 5-9 septembrie, Cluj-Napoca, Romania
63. Determination of dill essential oil composition using modern extraction techniques
M. Stan, **M.L. Soran**, C. Varodi, I. Lung
Chemistry and Life 2011- 14-16th September, Brno, Czech Republic
64. Single –Walled Carbon Nanotubes Functionalized by Fe@Au Nanoparticles
M.L. Soran, O. Pana, C. Leostean, M. Stefan, C. Bele, C. Matea
Meeting on Developments in Materials, Processes and Applications of Emerging Technologies, Mpatech NANOTECH Conference, Alvor, Portugal, 27-th – 29-th June 2011
65. Platinum Based Magnetic Nanoparticles and Functionalized Composites
O. Pana, **M.L. Soran**, C. Leostean, M. Stefan, S. Macavei
Meeting on Developments in Materials, Processes and Applications of Emerging Technologies, Mpatech NANOTECH Conference, Alvor, Portugal, 27-th – 29-th June 2011
66. 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
International conference on nanostructured materials - NANO 2010, Rome, sept. 13 – 17, 2010
67. Interface charge transfer polypyrrole coated perovskite manganite magnetic nanoparticles
O. Pana, N.G. Gheorghe, **M. L. Soran**, C. Leostean, S. Macavei, E. Gautron, C.M. Teodorescu, O. Chauvet
International conference on nanostructured materials - NANO 2010, Rome, sept. 13 – 17, 2010
68. Polypyrrole coated magnetite and perovskite manganite magnetic nanoparticles
O. Pana, N.G. Gheorghe, C. Leostean, **M. L. Soran**, D. Macovei, R Turcu, C.M. Teodorescu
WE-Heraeus-Seminar : "Polymer-Nano-Particles Interactions: Concepts, Observations and Applications" 28 – 31 March 2010, Physikzentrum Bad Honnef, Germania
69. Carotenoids determination in Inland *Ocimum basilicum* L
C.T. Matea, **M.L. Soran**, A. Pintea, C. Bele
IC-ANMBES 2010 – June 18-20, 2010, Brasov, Romania

70. Analytical determination of carotenoids in inland *ocimum basilicum* L.
C.T. Matea, **M.L. Soran**, A. Pinteaa, C. Bele
9th International Symposium *Prospects for the 3rd Millenium Agriculture, 30 septembrie – 2 octombrie 2010*
71. 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 Surducan and Vasile Surducan
Processes in Isotopes and Molecules, 24 – 26 septembrie 2009, Cluj-Napoca, Romania
72. 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
Processes in Isotopes and Molecules, 24 – 26 septembrie 2009, Cluj-Napoca, Romania
73. Hybrid magnetic nanocomposites based on core – shell magnetic nanoparticles with polymers
O. Pana , J. Martin, **M. L. Soran**, R. Turcu, C. Leostean, C. Mijangos
ECNP-Paris 2009 *International Conference on Nanostructured and Functional Polymer-based Materials and Nanocomposite*, 2009,15-17 aprilie 2009 Paris, Franta
74. Characterization of the core-shell nanoparticles by using X-ray techniques
O. Pana, N. Aldea, R. Turcu, S. Macavei, **M. L. Soran**, C.M. Teodorescu, O. Chauvet
E-MRS 2009 Conf., Spring Meeting; symposium R : Strasbourg (France), June 1-5, 2009
75. Hybrid nanocomposites based on gold covered core –shell functionalized magnetic nanoparticles
O. Pana, R. Turcu, **M.L. Soran**, C. Leostean, . Macavei, O. Chauvet, C. Payen
International Conference "NANOTECH INSIGHT", 29 Martie – 2 Aprilie 2009, Barcelona
76. Flavonoids Identification by HPLC-MS from Different Extracts of Savory
I. Lung, **M.L. Soran**, C. Cobzac
34th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, 28 iunie – 2 iulie 2009, Dresda, Germania
77. Essentials Oils Determination from *Satureja Hortensis* L. By Chromatographic Techniques
I. Lung, **M.L. Soran**, C. Cobzac
34th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, 28 iunie – 2 iulie 2009, Dresda, Germania
78. Synthesis and spectroscopic characterization of hybrid magnetic nanoparticles, based on Fe@Au and N-succinimide
M.L. Soran, O. Pana, A. Nan, C. Leostean, I. Bratu
Advanced Spectroscopies on Biomedical and Nanostructured Systems, 7-10 septembrie 2008, Cluj-Napoca, Romania
79. HPLC Analysis of flavonoids from *Satureja Hortensis* L.,
Bros Ildiko, **Maria – Loredana Soran**, Constantin Bele, Emanoil Surducan, Vasile Surducan, Cristian Tudoran
4th meeting on CHEMISTRY AND LIFE 2008, 9-11 septembrie 2008, Brno, Cehia.
80. Different extraction techniques of flavonoid bioactive compounds from *Satureja hortensis* L. and HPTLC analysis
Ildiko Bros, **Maria - Loredana Soran**, Ionela Spinu, Codruta Cobzac,
INTERNATIONAL SYMPOSIUM FOR HIGH PERFORMANCE THIN-LAYER CHROMATOGRAPHY, 11-13 iunie 2008, Helsinki, Finlanda

81. Analysis of the essential oil of *Satureja hortensis* L. by HPTLC
Ildiko Bros, **Maria - Loredana Soran**, Angelica Lostun, Codruta Cobzac,
INTERNATIONAL SYMPOSIUM FOR HIGH PERFORMANCE THIN-LAYER CHROMATOGRAPHY, 11-13 iunie 2008, Helsinki, Finlanda
82. HPTLC quantification of some flavonoids from *Satureja hortensis* L. extracts obtained with different extraction techniques
Ildiko Bros, **Maria - Loredana Soran**, Briciu Rodica, Simona Cobzac,
INTERNATIONAL SYMPOSIUM FOR HIGH PERFORMANCE THIN-LAYER CHROMATOGRAPHY, 11-13 iunie 2008, Helsinki, Finlanda
83. Functionalized core-shell magnetic nanostructures
O. Pana, R. Turcu, **M.L. Soran**, A. Nan, O. Chauvet, C. Payen;
E-MRS 2008 Conf., Spring Meeting; symposium P: Advanced organic and/or inorganic functional material May 25- 30, 2008, Strasbourg, France
84. Functionalized Nanostructures with Noble Metals Shells and Magnetic Cores
O. Pana, R. Turcu, **M.L. Soran**, A. Nan, O. Chauvet, C. Payen, E. Gautron
3rd International Conference "Smart Materials, Structures and Systems", CIMTEC 2008, June 8 – 13, 2008, Acireale, Sicily, Italy
85. Synthesis and characterization of bio-functionalized core-shell magnetic nanoparticles with substituted PPy
O. Pana, R. Turcu, A. Nan, **M.L. Soran**, D. Bica, L. Vekas
4th International Conference on Nanostructured and Functional Polymer-based Materials and Nanocomposite, April 16 - 18, 2008, Rome, ITALY.
86. Sunflower oil degradation - study by chromatographic methods and accurate photopyroelectric calorimetry
M. Streza, I. Bros, **M.L. Soran**, J. Leistner, N. Dadarlat, C. Neamtu
Isotopic and Molecular Processes, Cluj-Napoca, 20-22 septembrie, 2007.
87. Vegetable oils analysis by gas chromatography coupled with mass spectrometry
I. Bros, M. Streza, **M.L. Soran**, Z. Moldovan, D. Dadarlat
5th Euro Fed Lipid Congress, 16-19 septembrie 2007, Gothenburg, Suedia.
88. Synthesis and characterization of the core-shell magnetic nanostructures with polypyrrole
O. Pana, **M.L. Soran**, N. Aldea, R. Turcu, C.M. Teodorescu, O. Chauvet, C. Payen, E. Gautron
9th International Conference on Frontiers of polymers and advanced materials (ICFPAM), 8-12 iulie 2007 Cracovia, Polonia
89. 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
International Conference „Agricultural and Food Sciences, Processes and Technologies”, Third edition, April 26-27, 2007, Sibiu
90. 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
International Conference „Agricultural and Food Sciences, Processes and Technologies”, Third edition, April 26-27, 2007, Sibiu

91. Synthesis and characterization of the core-shell magnetic nanostructures with noble metals
O. Pana, O. Chauvet, C. Payen, E. Gautron, R. Turcu, C. M. Teodorescu, M.L. Soran, N. Aldea, C. Leostean
E-MRS 2007 Spring Meeting in Strasbourg, May 28th - June 1st, 2007
92. Magnetic composites between core-shell Fe@Au nanoparticles and polymers
O. Pana, I. Craciunescu, **M. L. Soran**, Eunata Goiti, R. Turcu, Carmen Mijangos, O. Chauvet
3rd International Conference on Nano-Structured Polymers & Composites, 13-15 may 2007, Corfu, Grecia
93. 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
European Conference on Surface Science, ECOSS 24, 3-8 sept. 2006, Paris
94. Conjugated polymer coated magnetic nanoparticles
R. Turcu, I. Craciunescu, A. Nan, N. Aldea, O. Pana, **M.L. Soran**, D. Bica, L. Vekas, O. Chauvet, C. Payen, L. Barbu
Workshop on „Nanofun-Poly Internal Research Projects”, 15-16 sept. 2006, San Sebastian, Spania
95. Core-shell composites based on polypyrrole and different types of magnetic nanoparticles,
O. Pana, R. Turcu, **M.L. Soran**, A. Nan, I. Craciunescu, D. Bica, L. Vekas, C. Prayen and O. Chauvet,
2nd International Symposium on “NANOSTRUCTURED AND FUNCTIONAL POLYMER-BASED MATERIALS & NANOCOMPOSITES” (NANOFUN-POLY), Lyon-Villeurbanne, France, May 29 - 31, 2006
96. TLC Separation of Th(IV) and Ln(III) on Various Stationary Phases Using HDEHDTP as Complexing Agent
Maria - Loredana Soran, Maria Curtui, Alexandrina Nan
International Symposium for High Performance Thin-Layer Chromatography, 9-11 octombrie 2006, Berlin, Germania
97. Di(*n*-butyl)- and di(*iso*-butyl)dithiophosphoric acids-complexing agents in TLC separation of U(VI), Th(IV) and other transition metal ions
Maria - Loredana Soran, Maria Curtui, Diana Gherman
5th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 5) & The XIX Congress of the Chemists and Technologists of Macedonia, 10-14 septembrie 2006, Ohrid, Macedonia
98. Synthesis of iron-gold-polypyrrole core-shell nanoparticles
Maria - Loredana Soran, Ovidiu Pană, Cristian Mihail Teodorescu, Rodica Turcu, Lucian Barbu
5th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 5) & The XIX Congress of the Chemists and Technologists of Macedonia, 10-14 septembrie 2006, Ohrid, Macedonia
99. The analysis of olive and corn oils composition by high-performance liquid chromatography
Ildiko Broş, **Maria - Loredana Soran**, Alexandrina Nan, Joachim Leistner
5th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 5) & The XIX Congress of the Chemists and Technologists of Macedonia, 10-14 septembrie 2006, Ohrid, Macedonia
100. TLC Separation of U(VI), Th(IV), Co(II), Ni(II) and Cu(II) on Various Stationary Phases Using HDEHDTP as Complexing Agent
Maria - Loredana Soran, Maria Curtui, Ildiko Bros, Albert Soran

XXI International Symposium on Physico-Chemical Methods of Separation, 2-5 iulie 2006, Torun, Polonia

101. Composition analysis of inland sunflower and corn oils by gas-chromatography
Ildiko Broş, **Maria - Loredana Soran**, Florina Tuşa, Emanoil Surducan, V. Surducan
XXI International Symposium on Physico-Chemical Methods of Separation, 2-5 iulie 2006, Torun, Polonia
102. TLC separation of thorium(IV) from rare earths (III) using di(*n*-butyl)- and di(*iso*-butyl)dithiophosphoric acids as complexing agents
M.L. Soran, M. Curtui
Several aspects of biology, chemistry, informatics, mathematics and physics - International Conference,
11-13 noiembrie, 2005, Oradea
103. Nanostructured composites based on conducting polymers,
R. Turcu, O. Pana, A. Nan, N. Aldea, **M.L. Soran**, C.V.L. Pop, L.M. Giurgiu,
First Annual Meeting of NOE NANOFUN-POLY, Terni, Italia, 12 - 14 June, 2005.
104. Correlations between the synthesis parameters and the properties of polypyrrole-magnetic nanoparticles composites
R. Turcu, D. Bica, L. Vekas, N. Aldea, D. Macovei, O. Pana, O. Marinica, **M.L. Soran**, A. Nan, O. Marinica, C. Pop
2005 E-MRS Spring Meeting, Symposium I. Advanced functional nanomaterials - from nanoscale objects to nanostructured inorganic and hybrid materials, Strasbourg, Franţa, May 31 - June 3, 2005.
105. Hybrid structures based on polypyrrole and magnetic nanoparticles of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ perovskite manganite
O. Pana, R. Turcu, C. M. Teodorescu, Al. Darabont, **M.L. Soran**, N. Jumate
2005 E-MRS Spring Meeting, Symposium I. Advanced functional nanomaterials - from nanoscale objects to nanostructured inorganic and hybrid materials, Strasbourg, Franţa, May 31 - June 3, 2005.
106. Synthesis and structural characterization of nanostructured $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ (LCMO)/ C_{60} thin films composites
O. Pana, C. M. Teodorescu, D. Macovei, R. Turcu, Al. Darabont, **M.L. Soran**, I. Bratu, N. Jumate
2005 E-MRS Spring Meeting, Symposium E: Synthesis, characterization and applications of mesostructured thin layers, Strasbourg, Franţa, May 31 - June 3, 2005.
107. Hybrid structures based on polypyrrole and magnetic nanoparticles
R. Turcu, D. Bica, L. Vekas, N. Aldea, D. Macovei, O. Pana, O. Marinica, **M.L. Soran**, A. Nan, R. Grecu, C. Pop,
2nd NANOFUN-POLY Workshop „Applications” and „Nanostructure-property relationships”, 14th-15th March 2005, Madrid, Spain.
108. Carbon nanotubes-pyrrole nanocomposites; synthesis and characterization,
R. Turcu, O. Pană, Al. Darabont, D. Lupu, A.R. Biris, N. aldea, N. Jumate, **M.L. Soran**
1st Workshop nanofun-poly, Dresden, Germany, January 28-29, 2005.
109. Polypyrrole with $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ perovskite manganite nanocomposites: synthesis and characterization
O. Pana, R. Turcu, Al. Darabont, **M.L. Soran**, N. Jumate, I. Deac
2nd NANOFUN-POLY WORKSHOP on “Responsive Polymers, Gels and Networks. Characterization of their Structure, Properties and Applications.” and “Structure and Properties of Functional Coatings. Characterization of their Surfaces.”, Madrid, Spain, March 14-15, 2005.

110. Contrôle d'identité et de pureté de quelques antibiotiques utilisés à produire des sensidisques pour l'antibiogramme ,
V. Coman, R. Grecu, **L. Soran**, A. Şteţco, V. Avram,
Troisième Colloque Franco-Roumain de Chimie Appliquée, Slănic Moldova, Bacău, 22 – 26 septembre, 2004.
111. Chromatographic separation of the active components of horseradish and mustard,
C. Măruţoiu, M. Moise, O. F. Măruţoiu, **L. Soran**, M. Goncea, D. Nica-Badea
Al III-lea simpozion internaţional „Perspective ale Agriculturii Mileniului III”, Cluj-Napoca, October 20 – 22, 2004.
112. Separation, identification and determination of some metal ions from *Calendula Officinalis L.*
C. Măruţoiu, L. Oprean, M.I. Moise, O.F. Măruţoiu, **L. Soran**, M.L. Rusu
6th Int. Symp. of Roumanian Academy-Branch Timișoara – „Metal elements in environment, medicine and biology”, November 8-10, 2004.
113. Separation of uranium(VI), thorium(IV), rare earth(III) and other elements by TLC using dialkyldithiophosphoric acid as complexing agent,
L. Soran, M. Curtui, T. Hodişan, I. Haiduc,
The 1st International Conference of the Moldavian Chemical Society “Achievements and perspectives of modern chemistry”, Chişinău, Moldova, October 6 – 8, 2003.
114. HPLC monitoring of some chemical processes,
V. Coman, **L. Soran**, C. Cîrţiu, M. Filip,
The 1st International Conference of the Moldavian Chemical Society “Achievements and perspectives of modern chemistry”, Chişinău, Moldova, October 6 – 8, 2003.
115. HPLC Monitored Synthesis of R₂NCH₂ Substituted Benzene Derivatives,
L. Soran, V. Coman, A. Soran, C. Silvestru,
5th Balaton Symposium on High-Performance Separation Methods, Siófok, Hungary, September 3 – 5, 2003.
116. Thermoanalytical study of unmodified and chemically modified alumina used in TLC,
V. Coman, M. Filip, I. Dranca, **L. Soran**,
3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millennium – an Endless Frontier, Bucharest, Romania, September 22-25, 2002.
117. Separation of uranium (VI) and thorium (IV) from different cations by TLC using dibutyldithiophosphoric acid as complexing reagent ,
M.L. Soran, C. Măruţoiu, M. Curtui, T. Hodişan,
2nd Romanian International Conference on Analytical Chemistry, SCAR 2002, Timișoara, Romania, September 19-21, 2002.
118. The synthesis and characterization of biologically active antimony compounds,
C. Măruţoiu, M. Dascălu, I. Tarsiche, **M.L. Soran**, R. Morar,
4-th International Symposium on “Metal Elements in Environment, Medicine and Biology”, Timișoara, November 6-8, 2000.
119. The synthesis and characterization of biologically active tin compounds,
C. Măruţoiu, R. Constantinescu, R. Grecu, G. Sigartău, I. Gogoasă, **M.L. Soran**,
4-th International Symposium on “Metal Elements in Environment, Medicine and Biology”, Timișoara, November 6-8, 2000.

120. Separation and identification of natural antioxidants in red wines,
C. Măruțoiu, V. Coman, **M.L. Soran**, I. Andrei,
First Romanian International Conference on Analytical Chemistry, SCAR 2000, Brașov, Romania, September 21-23, 2000.

8. Lucrari comunicate la conferinte nationale

1. Sunflower oil degradation - study by chromatographic methods and accurate photopyroelectric calorimetry
M. Streza, I. Broș, **M.L. Soran**, J. Leistner, N. Dadarlat, C. Neamtu
Isotopic and Molecular Processes, 20-22 septembrie 2007, Cluj-Napoca.
2. Determination of oil adulteration by gas chromatography and photopyroelectric method
M. Streza, I. Broș, **M.L. Soran**, F. Tușa
9th National Conference on Chemistry, Călimănești-Căciulata, 04-06 octombrie, 2006.
3. Some pesticides separation by TLC in microwave field
I. Broș, **M.L. Soran**, V. Surducan, E. Surducan
9th National Conference on Chemistry, Călimănești-Căciulata, 04-06 octombrie, 2006.
4. 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
The 4th National Conference „New research trends in material science”, Constanta, 4-6 septembrie 2005.
5. The use of organodithiophosphoric acids for separation and determination of some metal ions from residual waters
Maria-Loredana Soran, Maria Curtui, Iovanca Haiduc
Simpozionul national cu participare internationala “Mediul- cercetare, protectie si gestiune”, Editia a V-a, Agnita, 13-15 octombrie 2005.
6. Thin films of fullerite with perovskites manganites composites
O. Pană, C.M. Teodorescu, D. Macovei, Al. Darabont, N. Jumate, R. Turcu, **M.L. Soran**
IVth Conference with International Participation on Isotopic and Molecular Processes, Cluj-Napoca, 22-24 septembrie, 2005.
7. The thin films synthesis of Ca and Sr perovskites manganites
O. Pană, C.M. Teodorescu, D. Macovei, Al. Darabont, N. Jumate, N. Aldea, **M.L. Soran**
IVth Conference with International Participation on Isotopic and Molecular Processes, Cluj-Napoca, 22-24 septembrie, 2005.
8. The synthesis and characterization of $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ – polypyrrole nano composites
O. Pană, Al. Darabont, R. Turcu, **M.L. Soran**, N. Aldea, N. Jumate
Zilele Academice Timișene, Ediția a IX-a, Timișoara, 26-27 mai 2005.
9. The organophosphoric ligands – complexing agents in thin layer chromatography
M.L. Soran, M. Curtui, I. Haiduc,
Zilele Academice Timișene, Ediția a IX-a, Timișoara, 26-27 mai 2005.
10. Separarea Cu(II), Ni(II) și Co(II) prin CSS folosind acizi dialchiliditiofosforici ca agenți complexanți,
L. Soran, M. Curtui, T. Hodișan,

A XXVIII-a Conferință Națională de Chimie, Călimănești-Căciulata, Vâlcea, 6 – 8 octombrie 2004.

11. Some rare earths separation from U(VI) and Th(IV) using dialkyldithiophosphoric acids,
L. Soran, M. Curtui, T. Hodișan, I. Haiduc,
Sesiunea anuală de comunicări științifice, Oradea, 27 - 29 mai, 2004.
12. HPLC determination of some antibiotics,
V. Coman, V. Avram, **L. Soran**, R. Grecu, Z. Moldovan și H. Farkas,
Third Conference with International Participation on Isotopic and Molecular Processes, Cluj-Napoca, 25-27 septembrie, 2003, (Proceedings, p. 114).
13. Separation and identification of some active compounds from plants by TLC coupled with mass spectrometry ,
C. Măruțoiu, D. Nica – Badea, M.I. Moise, **L. Soran**, A. Sicoe, Camelia Anca Gavrilă,
11th Physical Chemistry Conference with International Participation – Romphyschem 11, Timișoara, 2-5 septembrie, 2003.
14. Separation of nickel (II) and copper (II) from different cations by TLC using dipentyldithiophosphoric acid as complexing reagent,
M.L. Soran, C. Măruțoiu, M. Curtui, T. Hodișan, R. Oprean,
Conference: Agricultural and Food Sciences, Processes and Technologies, Sibiu, 31 octombrie – 1 noiembrie, 2002.
15. Separarea și identificarea unor erbicide din apă prin cromatografie,
C. Măruțoiu, I. Schinger, **M.L. Soran**, E. Stan, C. Popa-Schneider,
A XXVI-a Sesiune Națională de Comunicări Științifice, Căciulata-Vâlcea, 4-6 octombrie, 2000.
16. Separarea unor cefalosporine prin cromatografie pe strat subțire,
C. Măruțoiu, **M.L. Soran**, I. Udrea,
A XXVI-a Sesiune Națională de Comunicări Științifice, Căciulata-Vâlcea, 4-6 octombrie, 2000.

Cluj-Napoca,
16.10.2017