

## Publication lists

### Papers published in ISI journals:

1. T. Constantinescu, C.N. Lungu, **I. Lung**. Lipophilicity as a central component of drug-like properties of chalcones and flavonoid derivatives. *Molecules*, 2019, 24, 1505.
2. M. Stan, **I. Lung**, M.L. Soran, O. Opris, C. Leostean, A. Popa, F. Copaciu, M.D. Lazar, I. Kacso, T.D. Silipas, A.S. Porav. Starch-coated green synthesized magnetite nanoparticles for removal of textile dye Optilan Blue from aqueous media. *Journal of the Taiwan Institute of Chemical Engineers*, 2019, 100, 65-73.
3. C. Voica, **I. Lung**, M.D. Lazar, A.D. Magdas. Removal of Metals from Water Using Platinum Nanostructured Carbon Composites. *Analytical letters*, 2019, 52(1), 201-212.
4. **I. Lung**, M.L. Soran, M. Stan, O. Opris, F. Copaciu, M. Stefan, M.D. Lazar, C. Leostean, A.S. Porav. Green synthesized Fe<sub>3</sub>O<sub>4</sub> nanoparticles for Lanasyne Red azo dye removal from aqueous solutions. *Revue Roumaine de Chimie*, 2018, 63(10), 965-970.
5. **I. Lung**, M.L. Soran, O. Opris, M. Stan, C. Bele. Microwave irradiation effect on polyphenol content and antioxidant activity of basil. *Studia UBB Chemia, LXIII*, 2018, 3, 87-94.
6. O. Vostinaru, E. Dinte, M.L. Soran, **I. Lung**, O. Opris, C. Mogosan. Evaluation of the Anti-Gout Potential of *Calluna vulgaris* L. (Ericaceae) in Rats. *Records of Natural Products*, 2018, 12(5), 432-444.
7. **I. Lung**, M. Stan, O. Opris, M.L. Soran, M. Senila, M. Stefan. Removal of Lead(II), Cadmium(II), and Arsenic(III) from Aqueous Solution using Magnetite Nanoparticles Prepared by Green Synthesis with Box-Behnken Design. *Analytical letters*, 2018, 51, 2517-2529.
8. E. Szekeres, C.M. Chiriac, A. Baricz, T. Szoke-Nagy, **I. Lung**, M.L. Soran, K. Rudi, N. Dragos, C. Coman. Investigating antibiotics, antibiotic resistance genes, and microbial contaminants in groundwater in relation to the proximity of urban areas. *Environmental Pollution*, 2018, 236, 734-744.
9. D. Casoni, M. Badea, **I. Bros**, S.C.A. Cobzac. Investigation on image processing parameters for plate evaluation in TLC analysis of mycotoxins. *Studia Universitatis Babeş-Bolyai Chemia*, 2017, 62(3), 89-102.
10. M.L. Soran, O. Opris, **I. Lung**, I. Kacso, A.S. Porav, M. Stan. The efficiency of the multi-walled carbon nanotubes used for antibiotics removal from wastewaters generated by animal farms. *Environmental Science and Pollution Research*, 2017, 24(19), 16396-16406.
11. M. Stan, **I. Lung**, M.L. Soran, C. Leostean, A. Popa, M. Stefan, M.D. Lazar, O. Opris, T.D. Silipas, A.S. Porav. Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts. *Process Safety and Environmental Protection*, 2017, 107, 357-372.
12. M.L. Soran, **I. Lung**, O. Opris, V. Floare-Avram, C. Coman. Determination of Antibiotics in Surface Water by Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode Array and Mass Spectrometry Detection. *Analytical letters*, 2017, 50(7), 1209-1218.
13. O. Opris, M.L. Soran, **I. Lung**, M.R.C. Trusca, T. Szoke-Nagy, C. Coman. The optimization of the antibiotics extraction from wastewaters and manure using Box-Behnken experimental design. *International Journal of Environmental Science and Technology*, 2017, 14(3), 473-480.
14. R. Puscas, D.A. Magdas, **I. Lung**, G. Cristea, M.L. Soran, I. Feher, A. Dehelean. Isotopic composition influence of irrigation water on some aromatic plants. *Studia UBB Chemia*, 2016, LXI, 4, 31-42.
15. **I. Lung**, M.L. Soran, O. Opris, M.R.C. Trusca, Ü. Niinemets, L. Copolovici. Induction of stress volatiles and changes in essential oils content and composition upon microwave exposure in the *Ocimum basilicum* aromatic plant. *Science of the Total Environment*, 2016, 569-570, 489-495.
16. A. Dehelean, D.A. Magdas, R. Puscas, **I. Lung**, M. Stan. Quality assessment of some commercial Romanian juices. *Romanian Reports in Physics*, 2016, 68, 746-759.
17. M. Stan, A. Popa, D. Toloman, A. Dehelean, **I. Lung**, G. Katona. Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. *Materials Science in Semiconductor Processing*, 2015, 39, 23-29.
18. **I. Lung**, M. Stan, O. Opris, M.L. Soran. Determination of Myristicin and Linalool in Plants Exposed to Microwave Radiation by High-Performance Liquid Chromatography. *Analytical letters*, 2015, 48, 1-8.
19. M. Stan, M.L. Soran, C. Varodi, **I. Lung**. Influence of microwave field on the ascorbic acid content in leaves of some common aromatic plants in Romania. *Studia Universitatis Babeş-Bolyai, Chemia*, 2014, LIX, 1, 125-133.
20. M. Stan, O. Opris, **I. Lung**, M.L. Soran. High-performance thin-layer chromatographic quantification of myristicin and linalool from leaf extracts of microwave-irradiated parsley, dill and celery. *Journal of planar chromatography – Mod. TLC*, 2014, 27(2), 97-101.
21. M. Stan, **I. Lung**, O. Opris, M.L. Soran. High-performance thin-layer chromatographic quantification of some essential oils from *Anethum graveolens* extracts. *Journal of planar chromatography – Mod. TLC*, 2014, 27(1), 33-37.

22. **I. Lung**, M.L. Soran, C. Tudoran, C. M. ru oiu. Effect of microwave irradiation on polyphenolic compounds from *Satureja hortensis* L. *Central European Journal of Chemistry*, 2013, 11(4), 535-541.
23. M.L. Soran, C. Varodi, S.C. Cobzac, **I. Lung**. Essentials Oils Determination from *Satureja hortensis* L. by Chromatographic Techniques. *Journal of Essential Oil – Bearing Plants*, 2011, 14(6), 699-707.
24. M.L. Soran, **I. Lung**. HPTLC Analysis of Thymol in Extracts of *Satureja hortensis* L. Obtained by Different Techniques. *Journal of Planar Chromatography – Mod. TLC*, 2010, 23(5), 320-322.
25. M. L. Soran, S. C. Cobzac, C. Varodi, **I. Lung**, E. Surducan, V. Surducan. Extraction and chromatographic determination of essentials oils from *Ocimum basilicum* L. Leaves. *Studia Universitatis “Babes-Bolyai”, Chemia*, 2010, LV(3), 31-38.
26. **I. Bros**, M.L. Soran, R.D. Briciu, S.C. Cobzac. HPTLC Quantification of Some Flavonoids in Extracts of *Satureja hortensis* L. Obtained by Use of Different Techniques. *Journal of Planar Chromatography – Mod. TLC*, 2009, 22(1), 25-28.
27. M.L. Soran, **I. Bros**, E. Surducan, V. Surducan. Microwave Assisted Thin-Layer Chromatography - an Improved Separation Technique. *J. Planar Chromatogr.-Mod. TLC*, 2008, 21(4), 243-248.

#### **Papers published in non-ISI journals:**

1. V. Popovici, R.Sturza, A. Ghendov-Mosanu, L. Soran, **I. Lung**, A. Patras. Influen a condi iilor de extrac ie asupra compozi iei i activit ii antioxidante a extractelor liposolubile de m ce e. *Meridian Ingineresc*, 2018, 1(68), 23-27.
2. M.L. Soran, M. Stan, **I. Lung**, M.R.C. Trusca. Microwave Field Effect on Polyphenolic Compounds from Aromatic Plants. *Journal of Sustainable Development of Energy, Water and Environment Systems*, 2016, 4(1), 48-55.
3. **I. Lung**, M.L. Soran, M. Stan, C. Bele, C. Matea. Evaluation of Total Chlorophyll Content in Microwave-Irradiated *Ocimum basilicum* L. *Scientific Bulletin of ESCORENA*, 2013, 8, 31-35.
4. **I. Lung**, M.L. Soran, M. Stan, D. Podar. Quantification of Total Flavonoids and Phenolic Acids from Microwave Irradiated and Non-irradiated Plants. *Advances in Research*, 2013, 1(1), 1-10.
5. V. Surducan, **I. Lung**, E. Surducan. The effect of coloured light on *Ipomoea purpurea* growth. *Journal of Physics: Conference Series*, 2009, 182, 012016.
6. M.L. Soran, S.C. Cobzac, C. Varodi, **I. Lung**, E. Surducan, V. Surducan. The extraction and chromatographic determination of the essentials oils from *Ocimum basilicum* L. by different techniques. *Journal of Physics: Conference Series*, 2009, 182, 012016.
7. S. Cobzac, M. Moldovan, **I. Bros**, N.K. Olah, E. Surducan, T. Hodisan. Flavonoids extraction from *Geranium macrorrhizum* herba using different extraction techniques and TLC quantification. *Acta Universitatis Cibiniensis, Seria F, Chemia*, 2005, 8(1), 33-39.
8. **I. Bros**, C. Neam u, V. Surducan, E. Surducan. Microwaves liquid-probe effective absorption measurement using a microwave power calorimetric method. *Studia Universitatis Babes-Bolyai, Physica, special issue*, 2005, 431-435.
9. M. Moldovan, **I. Bros**, C. Cobzac, E. Surducan, V. Surducan, T.Hodisan. Quantitative analysis of polyphenol compounds from plant extracts. *Studia Universitatis Babes-Bolyai, Physica, special issue*, 2005, 519-523.
10. V. Miclaus, **I. Bros**, Z. Moldovan, C. Cimpoi, E. Surducan, N. Palibroda. The identification by MS and GC/MS of photodegradation products of indomethacin ointment. *Studia Universitatis “Babes-Bolyai”, Chemia*, 2005, L, 1, 121-127.
11. **I. Bros**, M. Moldovan, S. Cobzac, E. Surducan, V. Surducan, T. Hodisan. Microwave calorimetry studies for plant extraction application. *Studia Universitatis Babes-Bolyai, Physica*, 2004, XLIX, 3, 135-140.
12. S. Cobzac, M. Moldovan, **I. Bros**, E. Surducan, S. Gocan. Microwave extraction of bioactive compounds from Geranium herba. *Studia Universitatis Babes-Bolyai, Physica*, 2004, XLIX, 3, 11-15.

#### **Papers published in proceedings**

1. C. Varodi, M.L. Soran, **I. Lung**, O. Opris, L. Muresan. Ascorbic acid determination from alcoholic and soft drinks by different techniques. *Proceedings – International Conference „Modern technologies, in the Food Industry”, 20-22 octombrie 2016, Chi in u, Republica Moldova*, 395-400. ISBN: 978-9975-87-138-9.
2. M.L. Soran, M. Stan, **I. Lung**, M.R.C. Trusca. Microwave field effect on polyphenolic compounds from aromatic plants. *Proceeding of the 9<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environments Systems*, September 20-27, 2014, Venice-Istambul, SDEWES2014.0086-1-7.
3. M. Stan, M.L. Soran, C. Varodi, **I. Lung**, L. Copolovici, C. Marutoiu. Extraction and GC determination of volatile aroma compounds from extracts of three plant species of the Apiaceae family. *AIP Conference Proceedings*, 2013, 1565, 75-78.
4. M. Stan, M.L. Soran, C. Varodi, **I. Lung**. Extraction and identification of flavonoids from parsley extracts by HPLC analysis. *AIP Conference Proceedings*, 2012, 1425, 50-52.

5. **I. Bros**, M. Streza, M.L. Soran, V. Surducan, E. Surducan, I. Bratu, R. Pop, C. Neamtu, D. Dadarlat. Microwave degradation of sunflower oil. Complementary study by photopyroelectric and infrared spectroscopy, gas chromatography and fluorescence. *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*
6. M. Streza, **I. Bros**, M.L. Soran, V. Surducan, E. Surducan, I. Bratu, I. Kacso, S.I. Farcas, C. Neamtu, D. Dadarlat. Photothermal methods applied for investigation of early spoilage of some vegetable oils. *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*

#### **Papers presented at international conferences:**

1. O. Opris, M.L. Soran, **I. Lung**, L. Copolovici. Chromatographic determination of different drugs from environment. Separation Sciences in the SChR Centenary, 26 October, 2018, Cluj-Napoca, Romania.
2. V. Popovici, R. Sturza, A. Ghendov-Mosanu, I. Rosca, L. Soran, **I. Lung**, O. Opris. Total carotenoid content of local berries lipophilic extracts. 4<sup>th</sup> International Conference „Modern Technologies in the Food Industry” MTFI – 2018, 18-20 October, Chisinau, Republic of Moldova.
3. O. Opris, M.L. Soran, **I. Lung**, A. Ciorita, L. Copolovici. Toxic influence of environmental pollutants on green leafy vegetables. 4<sup>th</sup> International Conference „Modern Technologies in the Food Industry” MTFI – 2018, 18-20 October, Chisinau, Republic of Moldova.
4. **I. Lung**, M.L. Soran, O. Opris, A. Stegarescu, S. Gutoiu, A. Ghendov-Mosanu. Optimization of the total polyphenols extraction from *Hippophae Rhamnoides* using Central Composite design. 4<sup>th</sup> International Conference „Modern Technologies in the Food Industry” MTFI – 2018, 18-20 October, Chisinau, Republic of Moldova.
5. O. Opris, M.L. Soran, **I. Lung**, A. Ciorita, L. Copolovici. Changes in foliage photosynthetic characteristics and structure of autochthonous vegetables upon nonsteroidal anti-inflammatory drugs exposure. 17<sup>th</sup> International Symposium – Prospects for the 3<sup>rd</sup> Millennium Agriculture, 27–29 September, Cluj-Napoca, Romania.
6. O. Opris, **I. Lung**, M.L. Soran, A. Ciorita, L. Copolovici. The influence of nonsteroidal anti-inflammatory drugs on photosynthesis and Leaf anatomy of *Atriplex patula* L. 17<sup>th</sup> International Symposium – Prospects for the 3<sup>rd</sup> Millennium Agriculture, 27–29 September, Cluj-Napoca, Romania.
7. M. Stan, M.L. Soran, **I. Lung**, O. Opris, C. Leostean, T.D. Silipas, D.C. Vodnar, M.D. Lazar, A.S. Porav, M. Stefan. Synthesis, characterization, and antibacterial activity of green synthesized Fe<sub>3</sub>O<sub>4</sub>/CuO/Ag nanocomposites. 18<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science, 10-13 July, 2018, Constanta, Romania.
8. M. Stan, **I. Lung**, A. Stegarescu, O. Opris, S. Gutoiu, M.L. Soran, T.D. Silipas, C. Leostean, O. Pana, M.D. Lazar, A.S. Porav. Preparation of MnO<sub>2</sub>/carbon nanotubes with sorption properties. *The Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences “IC-ANMBES 2018”, 23-25 May, 2018, Brasov, Romania.*
9. A. Stegarescu, M.L. Soran, S. Gutoiu, **I. Lung**, O. Pana. Functionalization of iron/platinum nanoparticles with core-shell structure. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.
10. V.A. Toma, A.C. Mot, A.D. Farcas, S. Neamtu, L. Soran, **I. Lung**, M. Parvu. Allicin: natural distribution, antioxidant and biological activity profile. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.
11. O. Opris, M.L. Soran, **I. Lung**, I. Kacso, A.S. Porav, M. Stan. The efficiency of the multi-walled carbon nanotubes used for the antibiotics removal from wastewaters generated by animal farms. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.
12. M.R.C. Trusca, O. Opris, **I. Lung**, A. Ghendov-Mosanu, R. Sturza, M.L. Soran. Optimization of polyphenols extraction from hawthorn fruits. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.
13. **I. Lung**, M. Senila, M.L. Soran, O. Opris, M. Stan, M. Stefan. Optimization of some heavy metals removal from aqueous solution using biosynthesized magnetite nanoparticles. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.
14. M.L. Soran, **I. Lung**, A. Stegarescu, C. Leostean, O. Opris, M.D. Lazar, L. Copolovici, M. Stan, O. Pana, A.S. Porav. Preparation of MnO<sub>2</sub> nanocatalyst used for biofuel production. 11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017), 27 – 29 September, 2017, Cluj-Napoca, Romania.

15. M. Stan, M.L. Soran, **I. Lung**, O. Opris, C. Leostean, M.D. Lazar, T.D. Silipas, A.S. Porav. Chitosan coating of green synthesized magnetite nanoparticles: preparation and characterization. *11<sup>th</sup> International Conference – Processes in Isotopes and Molecules (PIM 2017)*, 27 – 29 September, 2017, Cluj-Napoca, Romania.
16. O. Opris, **I. Lung**, M. Stan, M.L. Soran, R. Sturza, A. Ghendov-Mosanu. Optimization of Polyphenols extraction from sea buckthorn and sea buckthorn groats. *8<sup>th</sup> International Symposium EuroAliment*, 7 – 8 September, 2017, Galati, Romania.
17. **I. Lung**, O. Opris, M. Stan, A. Ghendov-Mosanu, M.L. Soran, R. Sturza. Quantification of antioxidant activity of hawthorns fruits and food applications. *8<sup>th</sup> International Symposium EuroAliment*, 7 – 8 September, 2017, Galati, Romania.
18. A. Ghendov-Mosanu, R. Sturza, **I. Lung**, O. Opris, A. Patras. Characteristics of the composition and antioxidant capacity of forest fruits' oily extracts. *8<sup>th</sup> International Symposium EuroAliment*, 7 – 8 September, 2017, Galati, Romania.
19. M. Stan, **I. Lung**, M.L. Soran, O. Opris, C. Leostean, A. Popa, M. Stefan, M.D. Lazar, T.D. Silipas, A.S. Porav. Removal of different pollutants from aqueous solutions using magnetite nanoparticles. *Workshop „Integrated nanodevices for environmental analysis”*, 26 May, 2017, Cluj-Napoca, Romania.
20. M.L. Soran, O. Opris, **I. Lung**, I. Kacso, A.S. Porav, M. Stan. Antibiotics removal with carbon nanotubes. *Workshop „Integrated nanodevices for environmental analysis”*, 26 May, 2017, Cluj-Napoca, Romania.
21. C. Varodi, M.L. Soran, **I. Lung**, O. Opris. Ascorbic acid determination from alcoholic and soft drinks by different techniques. *International Conference - Modern technologies, in the Food Industry*, 20-22 October, 2016, Chisinau, Republic of Moldova.
22. O. Opris, M.L. Soran, **I. Lung**, I. Kacso, M. Stan, A.S. Porav, F. Copaciu. Testing the efficiency of carbon nanotubes for removal of antibiotics from aqueous solutions. *15<sup>th</sup> International Symposium – Prospects for the 3<sup>rd</sup> Millennium Agriculture*, September 29 –1 October, 2016, Cluj-Napoca, Romania.
23. O. Opris, M.L. Soran, **I. Lung**, M. Stan, I. Kacso, D. Lazar, C. Leostean, O. Pana, A.S. Porav, T.D. Silipas. Catalytic activity evaluation of MnO<sub>2</sub> nanoparticles obtained with plant extracts. *15<sup>th</sup> International Symposium – Prospects for the 3<sup>rd</sup> Millennium Agriculture*, September 29 –1 October, 2016, Cluj-Napoca, Romania.
24. **I. Lung**, M.L. Soran, M. Stan, O. Opris, I. Kacso, C. Leostean, M. Stefan, O. Pana. Synthesis and characterization of nanoparticles based on iron and manganese oxides. *16<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2016)*, 7-9 July, Constanta, Romania.
25. **I. Lung**, M. Stan, O. Opris, M.L. Soran, C. Leostean, F. Copaciu, S.A. Porav. Application Of Magnetite Nanoparticles Synthesized Using Agricultural Sources For Removal Of Lanasyn Red Dye. *The Fourth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2016"*, June 29 – 1 July, 2016, Brasov, Romania.
26. M. Stan, **I. Lung**, M.L. Soran, C. Leostean, T.D. Silipas, S.A. Porav. Magnetic Iron Oxide (Fe<sub>3</sub>O<sub>4</sub>) 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"*, June 29 – 1 July, 2016, Brasov, Romania.
27. O. Opris, **I. Lung**, M.R.C. Trusca, M. Stan. Quantification of Some Antibiotics from Different Classes from Waste Waters. *7<sup>th</sup> International Conference on Environmental Science and Technology (ICEST 2016)*, 10-12 June, 2016, Barcelona, Spain.
28. M.R.C. Trusca, O. Opris, **I. Lung**, M.L. Soran, V. Floare – Avram. Determination of Penicillins, Tetracyclines and Cephalosporins from Manure. *7<sup>th</sup> International Conference on Environmental Science and Technology (ICEST 2016)*, 10-12 June, 2016, Barcelona, Spain.
29. M.R.C. Trusca, **I. Lung**, O. Opris, M.L. Soran. Antibiotics determination from waste waters. *10<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems*, September 27 - 3 October, 2015, Dubrovnik, Croatia.
30. M.L. Soran, O. Opris, **I. Lung**, M.R.C. Trusca. Identification and quantification of antibiotics from manure used as biofertilizer. *10<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems*, September 27 - 3 October, 2015, Dubrovnik, Croatia.
31. **I. Lung**, O. Opris, M.L. Soran. Determination of the most used antibiotics in Romania from environmental samples. *43<sup>rd</sup> International Symposium on High Performance Liquid Phase Separations and Related Techniques*, 21-25 September, 2015, Beijing, China.
32. O. Opris, M.L. Soran, **I. Lung**. Optimization of antibiotics determination from manure. *43<sup>rd</sup> International Symposium on High Performance Liquid Phase Separations and Related Techniques*, 21-25 September, 2015, Beijing, China.
33. M.L. Soran, **I. Lung**, M. Stan, O. Opris. The influence of microwaves generated by WLAN device on the polyphenolic compounds from Lactuca sativa. *10<sup>th</sup> International Conference “Processes in Isotopes and Molecules” PIM 2015*, 23 – 25 September, Cluj-Napoca, Romania.

34. **I. Lung**, M.L. Soran, O. Opris, M. Stan. Antioxidant capacity of some aromatic plants and their synergistic activity. *10<sup>th</sup> International Conference "Processes in Isotopes and Molecules" PIM 2015*, 23 – 25 September, Cluj-Napoca, Romania.
35. M.L. Soran, M. Stan, **I. Lung**, M.R.C. Trusca. The GSM Microwave Field Influence on Vitamin C and Polyphenols from Celery. *2<sup>nd</sup> International Congress on Energy Efficiency and Energy Related Materials (ENEFM2014)*, 16-19 October, 2014, Oludeniz, Turkey.
36. M.L. Soran, M. Stan, **I. Lung**, M.R.C. Trusca. Microwave Field Effect on Polyphenolic Compounds from Aromatic Plants. *9<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environments Systems*, 20-27 September, 2014, Venice-Istanbul.
37. **I. Lung**, M.L. Soran, M. Stan. 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*, 23 – 26 June, 2014, Tara Mountain, Serbia.
38. **I. Lung**, M.L. Soran, M. Stan, O. Opris. Myristicin 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*, 23 – 26 June, 2014, Tara Mountain, Serbia.
39. M. Stan, M.L. Soran, **I. Lung**, L. Copolovici. 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*, 23 – 26 June, 2014, Tara Mountain, Serbia.
40. M.L. Soran, M. Stan, **I. Lung**, L. Copolovici, M.R.C. Trusca. 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*, 23 – 26 June, 2014, Tara Mountain, Serbia.
41. M.L. Soran, M. Stan, **I. Lung**, C. Varodi, M.R.C. Trusca. The Influence of Microwave Field on Vitamin C from Indigenous Seasoning Plants. *International Congress on Energy Efficiency and Energy Related Materials*, 9-12 October, 2013, Kemer, Turkey.
42. M. Stan, M.L. Soran, C. Varodi, **I. Lung**, L. Copolovici, C. Marutoiu. 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, 2013, Cluj-Napoca, Romania.
43. M. L. Soran, M Stan, **I Lung**, O Opris. Quantification of ascorbic acid in parsley, dill and celery from Romania. *International Conference "Processes in Isotopes and Molecules" PIM 2013*, 24 – 27 September, 2013, Cluj-Napoca, Romania.
44. **I. Lung**, M. Stan, M. L. Soran, O. Opris. 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, 2013, Cluj-Napoca, Romania.
45. M. Stan, **I. Lung**, M.L. Soran. 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, Gazimagusa (Famagusta), Cyprus.
46. M.L. Soran, M. Stan, **I. Lung**. 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, Gazimagusa (Famagusta), Cyprus.
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48. M.L. Soran, M. Stan, **I. Lung**, M.R.C. Trusca. HPLC Determination of Vitamin C from Indigenous Parsley Extracts Obtained by Different Extraction Techniques. *7<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems*, 1 - 7 July, 2012, Ohrid, Macedonia.
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