

Publication list

1. Magdas D.A., Pirnau A., **Fehler I.**, Guyon F., Cozar B.I., Alternative approach of applying ¹H RMN in conjunction with chemometrics for wine classification, *LWT*, 2019, 422-428, IF=3.129
2. Voica C., Cristea G., **Fehler I.**, Multielemental and isotopic characterisation of bottled mineral waters on the Romanian market, chapter in *Bottled and Packaged Water*, vol 4, 2019, 121-144.
3. Marincas O., **Fehler I.**, A new cost-effective approach for lavender essential oils quality assessment, *Industrial Crops and Products*, 2018, 125, 241-247, IF=3.849.
4. Dehelean A., Kovacs E.D., Magdas, D.A., Cristea G., Voica C., **Fehler I.**, Kovacs M.H., Marincas O., Zhang Z., Li P., Zang Q., Infant supplement quality evaluation by inductively coupled plasma mass spectrometry, gas chromatography and isotope ratio mass spectrometry, *Analytical Letters*, 2018, 52, 1-12, IF=1.206
5. Magdas A., **Fehler I.**, Cristea G., Voica C., Taraban A., Mihaiu M., Cordea D.V., Bilteanu V.A., Dan S.D., Geographical origin and species differentiation of Transylvanian cheese. Comparative study of isotopic and elemental profiling vs. DNA results, *Food Chemistry*, 2019, 277, 307-313, IF=4.946.
6. Balazs H.E., Schmid C.A.O., **Fehler I.**, Podar D., Szatmari P.M., Marincas O., Balazs Z.R., Schroder P., HCH phytoremediation potential of native plant species from a contaminated urban site in Turda, Romania, *Journal of Environmental Management*, 2018, 223, 286-296, IF=4.005
7. Cristea G., Voica C., **Fehler I.**, Radu S., Magdas A., Isotopic and elemental characterisation of cider commercialized on Romanian market, *Analytical Letters*, 2018, 52, 1-11, IF=1.206.
8. Dehelean A., Cristea G., Balazs Z., Magdas A., **Fehler I.**, Voica C., Puscas R., Macro- and microelemental distribution in *Phaseolus Vulgaris* L. tissue irrigated with water and varying isotopic composition, *Analytical Letters*, 2018, 52, 111-126, IF=1.206
9. Magdas D.A., Cinta Pinzaru S., Guyon F., **Fehler I.**, Cozar B.I., Application of SERS technique in white wines discrimination, *Food Control*, 2018, 92, 30-36, IF=3.667.
10. Nan A., **Fehler I.**, A new polyester based on allyl α -hydroxy glutarate as shell for magnetite nanoparticles, *AIP Conference Proceedings*, 2017, 1917, 040003, 1-5, IF=0.
11. Moldovan Z., **Fehler I.**, Marincas O., Appearance of water micropollutants in water as effects of extreme meteorological events, *Studia UBB Ambientum*, 2017, LXII, 37-43, IF=0.
12. Magdas D.A., Guyon F., **Fehler I.**, Pinzaru S.C., Wine discrimination based on chemometric analysis of untargeted markers using FT-Raman spectroscopy, *Food Control*, 2018, 385-391, IF=3.667.
13. Marincas O., **Fehler I.**, Magdas D.A., Puşcaş R., Optimized and validated method for simultaneous extraction, identification, and quantification of flavonoids and capsaicin, along with isotopic composition, in hot peppers from different regions, *Food Chemistry*, 2018, 267, 255-262, IF=4.946.
14. Magdas D.A., **Fehler I.**, Dehelean A., Cristea G., Magdas T.M., Puscas R., Marincas O., Isotopic and elemental markers for geographical origin and organically grown carrots discrimination, *Food Chemistry*, 267, 2018, 231-239, IF=4.946.
15. Cristea G., Magdas A., Voica C., **Fehler I.**, Stable isotope fingerprinting for pharmaceutical authentication, *Analytical Letters*, 2017, 50, 2691-2698, IF=1.206.
16. Cristea G., **Fehler I.**, Magdas A., Voica C., Puscas R., Characterisation of vegetables by stable isotopic and elemental signatures, *Analytical Letters*, 2017, 50, 2677-2690, IF=1.206.
17. Voica C., Roba C.A., **Fehler I.**, Magdas A., Elemental analysis and metal intake of Romanian vegetables, *Analytical Letters*, 2017, 50, 2755-2771, IF=1.206.
18. Covaciu F., Magdas A., Dehelean A., **Fehler I.**, Radu S., Elemental, isotopic and pesticides analysis of wild berries, *Analytical Letters*, 2017, 50, 2699-2710, IF=1.206.
19. Magdas A., Dehelean A., **Fehler I.**, Radu S., Isotopic and multielemental fingerprinting of organically and conventionally grown potatoes, *Isotopes in Environmental and Health Studies*, 2017, 53, 1-10, IF=1.527.

20. **Fehér I.**, Magdas A., Dehelean A., Cristea G., Voica C., Application of light stable isotope ratios and elemental profile in the organic vegetable's characterization, *Romanian Journal of Physics*, 2017, 62, 1-14, IF=1.433
21. **Fehér I.**, Moldovan Z., Oprean O., Spatial and seasonal variation of organic pollutants in surface water using multivariate statistical techniques, *Water Science and Technology*, 2016, 74, 1726-1735, IF=1.197.
22. Magdas A., Dehelean A., **Fehér I.**, Cristea G., Puscas R., Dan S.D., Cordea D.V., Discrimination markers for the geographical and species origin of raw milk in Romania, *International Dairy Journal*, 2016, 61, 135-141, IF=2.201.
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27. Hosu A., Floare-Avram V., Magdas A., **Fehér I.**, Inceu M., Cimpoi C., The influence of the variety, vineyard and vintage on the Romanian white wine's quality, *Journal of Analytical Methods in Chemistry*, 2016, article ID 4172187, 1-11, IF=1.801.
28. Balazs Z., Dumitru R., Magdas A., Cristea G., Dehelean A., Voica C., Romulus P., Pirnau A., **Fehér I.**, Rdu S., Vadan M., Determination of isotopic ratios and metal concentrations in *Nicotiana tabacum* (Tobacco), *Analytical Letters*, 2016, 49, 364-377, IF=1.150.
29. Voica C., Magdas A., **Fehér I.**, Metal content and stable isotope determination in some commercial beers from Romanian market, *Journal of Chemistry*, 2015, Article ID 192032, 1-10, IF=1.300.
30. Schmutzer G., Avram V., Covaciu F., **Fehér I.**, Magdas A., Study of flavour compounds from orange juices by HS-SPME and GC-MS, *AIP Conference Proceedings*, 2013, 1575, 79-84, IF=0.
31. **Fehér I.**, Schmutzer G., Voica C., Moldovan Z., Determination of formaldehyde in Romanian cosmetic products using coupled GC/MS system after SPME extraction, *AIP Conference Proceedings*, 2013, 1565, 294-297, IF=0.
32. Voica C., Kovacs M., **Fehér I.**, Studies on the content of heavy metals in Aries River using ICP-MS, *AIP Conference Proceedings*, 2013, 1565, 317-321, IF=0.
33. Schmutzer G., **Fehér I.**, Marincas O., Avram V., Kovacs M.H., David L., Danciu V., Photodegradation study of some indoor air pollutants in the presence of UV-VIS irradiation and TiO₂ catalyst, *Studia UBB Chemia*, 2012, LVII, 15-22, IF=0.089
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36. **Fehér I.**, Moldovan Z., Photodegradation of the indoor organic pollutants by UV irradiation using TiO₂ catalyst, *AIP Conference Proceedings*, 2009, 182, 012039, 1-3, IF=0.