
Listă de publicații

PUBLICAȚII

1. **F.D. Covaciu**, D.A. Magdas, A. Dehelean, I.C. Feher and S. Radu. *Elemental, Isotopic, and Pesticide Analysis of Wild and Cultivated Berries*. Analytical Letters. 50(17): 2699-2710. **2017**.
2. **F.D. Covaciu**, D.A. Magdas, O. Marincas and Z. Moldovan. *Determination of Pesticides in Carrots by Gas Chromatography and Mass Spectrometry*. Analytical Letters. 50(17): 2665-2676. **2017**.
3. **F.D. Covaciu**, Z. Moldovan, A. Dehelean, D.A. Magdas, I.C. Feher, R. Puscas si M. Vlassa. *Determination of Pesticides, Elements and Isotopes in Strawberries*. Analytical Letters. 49 (16): 2560-2572. **2016**.
4. D.A. Magdas, G. Cristea, R. Puscas, **F. Tusa**. *The use of isotope ratios in commercial fruit juices authentication*. Romanian Journal of physics. 59 (3-4): 355-359. **2014**.
5. G. Schmutzer, V. Avram, **F. Covaciu**, I. Feher, A. Magdas, L. David, Z. Moldovan. *Study of Flavour Compounds from Orange Juices by HS-SPME and GC-MS*. American Institute of Physics: Conference Series AIP Conf. Proc. 1565: 79-84. **2013**.
6. **F. D. Tușa**, Z. Moldovan, G. Schmutzer, D.A. Magdas, A. Dehelean and M. Vlassa. *Analysis of Flavor Compounds by GC/MS after Liquid-Liquid Extraction from Fruit Juices*. American Institute of Physics: Conference Series AIP Conf. Proc. 1425: 53-57. **2012**.
7. D.A. Magdas, A. Dehelean, R. Puscas, G. Cristea, **F. Tusa**, C. Voica. *The Quality Control Of Fruit Juices By Using The Stable Isotope Ratios And Trace Metal Elements Concentrations*. American Institute of Physics: Conference Series AIP Conf. Proc. 1425: 178-181. **2012**.
8. **F. Tusa**, Z. Moldovan and M. Vlassa. *Identification and measurement of pesticide contaminants in food products by electron impact GC/MS*. Journal of Physics: Conference Series 182. 012043. **2009**.
9. C Cuna, M Leuca, N Lupsa, V Mirel, V Bocos-Bintintan, S. Cuna, V Cosma and **F. Tusa**. *Ion mobility analyzer–quadrupole mass spectrometer system design*. Journal of Physics: Conference Series 182. 012022. **2009**.
10. Z. Moldovan, G. Schmutzer, **F. Tusa**, R. Calin and A. C. Alder. *Pharmaceuticals and Personal Care Products in the Somes River Basin, Romania*. Geo-Eco-Marina 14: 49-57. **2008**.
11. Z. Moldovan, G. Schmutzer, **F. Tusa**, R. Calin, A.C. Alder. *An overview of pharmaceuticals and personal care products contaminations along the river Somes watershed, Romania*. Journal of Environmental Monitoring. 9: 986-993. **2007**.
12. Z. Moldovan, V. Coman and **F. Tusa**. *Determination of Oxygen containing compounds extracted from wine by Gas Chromatography and Mass Spectrometry*. International symposium ANALYTICAL FORUM 2004. Proceedings p. 171. Warsava. Poland. July 4-8th **2004**.
13. Z. Moldovan, C. Ionescu, **F. Tusa**, N. Palibroda, A. Pamula. *The structural characterisation of Fossil Resins based on Mass Spectra obtained in GC/MS mode on pyrolysed sample*. Studia Universitatis Babes-Bolyai. Physica. Special Issue 2: 404-407. XLVIII. **2003**.

14. Z. Moldovan, **F. Tusa**. *The separation of polycyclic aromatic hydrocarbons (PAHS) by high resolution gas chromatography*. Studia Universitatis Babes-Bolyai. Physica. Special Issue 2: 557-561. XLVIII. **2003**.

CONFERINȚE INTERNAȚIONALE

1. Cristea G., Voica C., Dehelean A., Magdas D. A., Feher I., Puscas R., **Covaciu F.** *Application of Isotopic and Elemental Profiling in Food Products and Beverages*. Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences - IC-ANMBES 2018. 23 – 25 May, Brasov, Romania, Transilvania University Press. ISSN 2360-3461. Book of abstracts pg. 164. **2018**.
2. **F. D. Covaciu**, D. A. Magdas, Z. Moldovan. *Analytical procedures for the determination of some functionalized materials performances used for retention of organic pollutants from waste water treatment plants*. 11th International Conference on Processes in Isotopes and Molecules. Romania. Cluj-Napoca. 27-29 September 2017.
3. **F.D. Covaciu**, D.A. Magdas, A. Dehelean, I.C. Feher and R. Puscas. *Multi-elemental, isotopic and trace pesticides analysis of wild and cultivated berries species*. International Conference on Analytical Methods from Biomedical and Environmental Sciences IC-ANMBES 2016. Brasov. Romania. June 29th - July 1th. **2016**.
4. **F.D. Covaciu**, D.A. Magdas, O. Marincas and Z. Moldovan. *Determination of trace pesticides in carrot samples having different origin by chromatography and mass-spectrometry methods*. International Conference on Analytical Methods from Biomedical and Environmental Sciences IC-ANMBES 2016. Brasov. Romania. June 29th - July 1th. **2016**.
5. **F.D. Covaciu**, Z. Moldovan, A.A. Dehelean, D.A. Magdas, I.C. Feher, R. Puscas, and M. Vlassa. *Comparison among strawberries grown in different countries from: pesticides, heavy metals and stable isotope content point of view*. Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 23-25th. **2015**.
6. G. Schmutzer, I. Feher, O. Marincas, V. Avram, M.H. Kovacs, A. Magdas, **F. Covaciu**, L. David, Z. Moldovan. *Study of flavour compounds from orange juices by HS-SPME and GC-MS*. Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 23-25th. **2013**.
7. C. Voica, **F. Tusa**, M. Kovacs, A. Iordache. *Multivariate characterization of Romanian wines according to their metallic and organic content*. EuroFoodChem XVII. Istanbul. Turcia. May 7-10th. **2013**.
8. Z. Moldovan, O. Marincas, V. Avram, **F. Tusa**, G. Schmutzer. *Specific organic pollutants detected in Prut River Basin*. International Conference ELSEMIDA. Cluj-Napoca. Romania. October. **2012**.
9. Z. Moldovan, O. Marincas, V. Avram, **F. Tusa**. *Characterization of organic pollutants in River Water by GC/MS ion profiles*. 19th International Mass Spectrometry Conference IMSC2012. Japan. September 15-22th. **2012**.
10. Z. Moldovan, O. Marincas, V. Avram, **F. Tusa**, I. Feher. *Comparison of pollutant analysis data obtained by GC/MS system after POCIS and grab sampling mode*. XXII Congress of Society of Chemists and Technologists of Macedonia. Ohrid. Macedonia. September 5-9th. **2012**.
11. Z. Moldovan, O. Marincas, V. Avram, G. Schmutzer, M. Kovacs, C. Voica, **F. Tusa**, I. Feher. *Non-target pollutants detected in Prut river aqueous phase using GC/MS system*. 36th International Symposium on Capillary Chromatography (ISCC) and 9th GCxGC Symposium. Riva Guardia. Italy. May 27th - 1th June. **2012**.
12. **F.D. Tusa**, Z. Moldovan, V. Mirel and M. Vlassa. *Analysis of pesticides by GC/MS after liquid-liquid extraction in comercial fruit juices from Romania*. International Conference on Analytical

- Methods from Biomedical and Environmental Sciences IC-ANMBES 2012. Brasov. Romania. May 24-27th. **2012**.
13. Z. Moldovan, V. Avram, O. Marincas, C. Voica, **F. Tusa**, I. Feher, G. Schmutzer, M. Kovacs, A.C. Alder. *Some families of pollutants detected in Prut River by GC/MS after SPE extraction*. 6th World Congress of Society of Environmental Toxicology and Chemistry. Berlin. Germany. May 20-24th. **2012**.
 14. **F. D. Tuşa**, Z. Moldovan, G. Schmutzer, D.A. Magdaş, A. Dehelean and M. Vlassa. *Analysis of Flavor Compounds by GC/MS after Liquid-Liquid Extraction from Fruit Juices*. Processes in Isotopes and Molecules. Cluj-Napoca. Romania September 29th - October 01th. **2011**.
 15. A. Dehelean, A. Magdas, **F. Tusa** and G. Schmutzer. *Multielement and stable isotope determinations in some Transylvanian fruit juices*. Processes in Isotopes and Molecules. Cluj-Napoca. Romania September 29th - October 01th. **2011**.
 16. D. A. Magdas, A. Dehelean, R. Puscas, G. Cristea, **F. Tusa**, C. Voica. *The Quality Control Of Fruit Juices By Using The Stable Isotope Ratios And Trace Metal Elements Concentrations*. Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 29th - October 01th. **2011**.
 17. **F. D. Tuşa**, Z. Moldovan, D.A. Magdaş, A. Dehelean and M. Vlassa. *The characterization of some commercial romania fruit juices using mass spectrometry methods (IRMS, GC/MS and ICP-MS)*. 16th European Conference on Analytical Chemistry–EUROanalysis16. "Challenges in Modern Analytical Chemistry". Belgrade. Serbia. September 11-15th. **2011**.
 18. A. Dehelean, D.A. Magdas, **F.D. Tusa**. *The investigation of trace metals content and stable isotopes composition on the soil-leave fruit chain from some Transylvanian areas*. 16th European Conference on Analytical Chemistry–EUROanalysis16. "Challenges in Modern Analytical Chemistry". Belgrade. Serbia. September 11-15th. **2011**.
 19. **F. Tusa**, Zaharie Moldovan and Mircea Vlassa. *Analytical method for identification and measurement of pesticide traces in food products by GC/MS system*. International Conference on Analytical Methods from Biomedical and Environmental Sciences IC-ANMBES. Brasov. Romania. June 18-20th. **2010**.
 20. **F. Tusa**, Zaharie Moldovan and Mircea Vlassa. *Identification and measurement of pesticide contaminants in food products by electron impact GC/MS*. Conference Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 24-26th. **2009**.
 21. C Cuna, M Leuca, N Lupsa, V Mirel, V Bocos-Bintintan, S. Cuna, V Cosma and **F. Tusa**. *Ion mobility analyzer – quadrupole mass spectrometer system design*. Conference Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 24-26th. **2009**.
 22. C. Cuna, S. Cuna, D. Ursu, M. Leuca and **F. Tusa**. *Volatile organic compounds analysis by ion mobility spectrometry*. 26th IMMS 2008, Fiera di Primiero. Italy. May 4-8th. **2008**.
 23. M. Kaucsar, C. Cuna, V. Bunea, S. Olteanu, D. Zotoiu, **F. Tusa**. *Electrolytic conductivity detector in pollutants monitoring system*. Conference Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 20-22th. **2007**.
 24. **Florina Tusa**, Zaharia Moldovan, Cezara Voica. *Micro-pollutants determination in aques medium, using liquid-liquid extraction and GC/MS analysis*. Conference Processes in Isotopes and Molecules. Cluj-Napoca. Romania. September 20-22th. **2007**.
 25. V. Coman, Z. Moldovan, **F. Tusa**. *Characterization of some wine types from Romania based on relative quantity of compounds detected by GC/MS methods*. 1 st European Chemistry Congress. Budapest. Hungary. August 27-31th. **2006**.
 26. Z. Moldova, G. Schmutzer, **F. Tusa**, N. Palibroda, A. Alder, L. Mic, R. Chira. *Characterization of Pharmaceutical and Personal Care Products as Micropollutants in Wastewater Treatment Plant*. 1st

- European Chemistry Congress. Budapest. Hungary. August 27-31th. **2006**.
27. V. Avram, V. Coman, Z. Moldovan, **F. Tusa**. The Chromatographic fingerprint of some Romanian white wines. 1st European Chemistry Congress. Budapest. Hungary. August 27-31th. **2006**.
28. I. Broș, M.L. Soran, **F. Tusa**, E. Surducan, V. Surducan. *Composition analysis of inland sunflower and corn oils by gas-chromatography*. XXI International Symposium on Physico-Chemical Methods of Separation. Torun. Polonia. July 2-5th. **2006**.
29. Zaharie Moldovan, Virginia Coman, **Florina Tusa**. *Determination of oxygen containing compounds extracted from wine by Gas Chromatography and Mass Spectrometry*. International Symposium Analytical Forum 2004. Warsaw. Poland. July 4-8th. **2004**.
30. V. Coman, V. Avram, Z. Moldovan, H. Balazs, A.I. Popa and **F. Tusa**. *Chromatographic Separation of some polar compounds from different white wines*. 10th International Symposium on Separation Science. New Achievement in Chromatography. Optija. Croatia. October 12-15th. **2004**.

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1. **F. Tusa**, Zaharie Moldovan and Mircea Vlăssă. *Determination of pesticide traces in food products using GC/MS system after solid-liquid extraction*. a XVI-a conferința națională cu participare internațională "Progrese în criogenie și separarea izotopilor". Calimanești-Căciulata. Rm-Valcea. Romania. October 13-15th. **2010**.
2. V. Almasan, P. Marginean, M. Lazar, **F. Tusa**. *Catalytic dehydration of ethanol for poly ¹³C compounds synthesis*. The 9th Conference on Progress in Cryogenics and Isotopes Separation. Calimanești-Căciulata. Râmnicu-Valcea. Romania. October 17-18th. **2003**.
3. M. Streza, I. Broș, M.L. Soran, **F. Tusa**. *Determination of oil adulteration by gas chromatography and photopyroelectric method*. XXIX-a Conferința Națională de Chimie. Calimanești-Căciulata. Romania. October 4-6th. **2006**.
4. V. Almasan, P. Marginean, M. Lazar, **F. Tusa**. *Catalytic preparation of chlorethanol*. The 11th Physical Chemistry Conference. Timișoara. Romania. September 2-5th. **2003**.
5. Z. Moldovan, C. Ionescu, **F. Tusa**, N. Palibroda, A. Pamula. *The structural characterisation of Fossil Resins based on Mass Spectra obtained in GC/MS mode on pyrolysed sample*. The 3th Conference on Isotopic and Molecular Processes. Cluj-Napoca. Romania. September 25-27th. **2003**.
6. Z. Moldovan, **F. Tusa**. *The separation of polycyclic aromatic hydrocarbons (PAHS) by high resolution gas chromatography*. The 3th Conference on Isotopic and Molecular Processes. Cluj-Napoca. Romania. September 25-27th. **2003**.

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