


PERSONAL INFORMATION

Ioana Coralia Feher



 67-103 Donat Street PO 5 Box 700, Cluj-Napoca, 400239, Romania

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 ioana.feher@itim-cj.ro

Sex F | Date of birth 06/05/1982 | Nationality Romanian

WORK EXPERIENCE

April 2019-present

Scientific researcher III

National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Donat Street, 400293, www.itim-cj.ro

Mass Spectrometry, Chromatography and Applied Physics Department

▪ **Main responsibilities:**

- Documentation for different research themes
- Member of the research teams
- Phase reporting for research projects
- Sample preparation using extraction from different matrices (water, air, soil, cosmetics, alcoholic beverages) for GC / MS and HPLC / MS
- Development and validation of new analytical methods
- Operation of GC / MS, HPLC / MS, results interpretation, chromatographic areas calculation
- Writing scientific articles
- Chemometric processing of the experimental results obtained for different matrices
- Participation at training courses
- Responsible for economic contracts

February 2015-April 2019

Scientific researcher

National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Donat Street, 400293, www.itim-cj.ro

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- Development and validation of new analytical methods
- Operation GC / MS, HPLC / MS, results interpretation, chromatographic areas calculation
- Writing scientific articles
- Chemometric processing of the experimental results obtained for different matrices
- Participation in training curves
- Responsible at economic contracts
- Responsible for method "Determination of formaldehyde in cosmetic products using GC / MS coupled system" accredited according to ISO 17025

December 2007-
January 2015

Research Assistant

National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Donat Street, 400293, www.itim-cj.ro

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- Operation of GC / MS, HPLC / MS, results interpretation, chromatographic calculation
- Writing scientific articles
- Participation at training curves
- Preparation of documentation for validation of ISO 17025 methods (specific procedures, operational procedures, calibration curves, control diagrams, validation reports, etc.)

April 2007-November
2007 **Medical Representative**

S.C. MEDIPLUS EXIM S.R.L

133 Ciobanului Street, 077135, Mogosoia, Judetul Ilfov

Main responsibilities:

- Promoting medicines and medical devices
- Monthly and weekly reports with visits to doctors and pharmacists
- Preparing database with customers in the country's NV area
- Participation in the training provided by the employer
- Participation in various events or conferences

April 2006

Laboratory Practice

SC FARMEC SA

13 H Barbusse Street, 400616, Cluj-Napoca

Modules:

- Laboratory protection regulation
- Storage of raw materials or different bases for cosmetics
- Technological process for making creams and emulsions
- Packaging line for finished products
- Labelling of finished products
- Professional product quality testing

EDUCATION AND TRAINING

- 2008-2018 **PhD in Chemistry**
Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj Napoca,
Romania
- 2007-2008 **Master of Science in Advanced Process Engineering**
Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca,
Romania
- 2007-2008 **Master of Business Administration**
▪ British Academy of Business and Communication, Iasi, Romania
- 1997-2001 **High school diploma**
Tiberiu Popoviciu High School, Cluj-Napoca, Romania

PERSONAL SKILLS

Mother tongue(s) romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Lingvistic certificate for english language, from ALPHA Center, Cluj-Napoca .

- Acquired competences**
- Gas chromatography coupled with mass spectrometry (GC / MS)
 - Liquid Chromatography coupled with mass spectrometry (HPLC / MS)
 - Development of solid phase extraction methods (SPEs) for polar and non-polar organic compounds from complex matrices: surface waters, waste water, groundwater
 - Development and validation of new analytical methods suitable for various fields of interest (environment, food safety)
 - Evaluation of food and non-food quality by complex chromatographic techniques

- Digital skills**
- Windows, Microsoft Office, Corell 12, ChemWin, ChemDraw, Xcalibur Soft, SPSS

Driving licence B

ADDITIONAL INFORMATION

- Publications**
1. Marincas O., **Feher I.**, A new cost-effective approach for lavender essential oils quality assessment, *Industrial Crops and Products*, 2018, 125, 241-247, IF=3.849.
 2. Magdas A., **Feher 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.
 3. Balazs H.E., Schmid C.A.O., **Feher 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
 4. Magdas D.A., Cinta Pinzaru S., Guyon F., **Feher I.**, Cozar B.I., Application of SERS technique in white wines discrimination, *Food Control*, 2018, 92, 30-36, IF=3.667.
 5. Magdas D.A., Guyon F., **Feher 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.
 6. Magdas D.A., **Feher 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*, 2018, 231-239, IF=4.946.
 7. **Feher I.**, Magdas A., Dehelean A., Cristea G., Voica C., Application of light stable isotope ratios and elemental profile in the organic vegetables characterization, *Romanian Journal of Physics*, 2017, 62(1), 1-14, IF=1.433
 8. **Feher I.**, Voica C., Floare-Avram V., Marincas O., Oprean I., Elemental Analysis of River Water from Transylvania, Romania by Inductively Coupled Plasma – Mass Spectrometry and Chemometrics, *Analytical Letters*, 2016, 49(16), 2671-2685, IF=1.150.
 9. **Feher 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 (7), 1726-1735, IF=1.197.
 10. Marincas O., **Feher I.**, Magdas D.A., Pușcaș 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, 255-262, IF=4.946.
- Projects**
1. PNCDI III-Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare
187 PED/2017, O noua abordare chemometrică pentru autentificarea vinurilor albe, utilizând markeri neconvenșionali (CHEMWINE)
 2. PNCDI II-Plan National de Cercetare, Dezvoltare și Inovare, Resurse Umane, 159/01.10.2015, Agricultura organică vs convenșională? – Aplicații ale tehnicilor izotopice în stabilirea trasabilității legumelor (IZOGREEN)
 3. PNCDI-II- Plan National de Cercetare, Dezvoltare și Inovare, Parteneriate PCCA-2013, 153/2014, Dezvoltarea unor metode inovatoare, implementarea de modele demonstrative și funcționale pentru promovarea pe piața unică a brânzeturilor tradiționale obținute în zona Transilvaniei (TradFood)
 4. PNCDI II-Plan National de Cercetare, Dezvoltare și Inovare, 92095/2008, Metode moderne de investigare, autentificare conservare și punere în valoare a icoanelor din patrimoniul Muzeului Etnografic al Transilvaniei (CONSICON)

Date
30.05.2019

Dr. Ioana Feher

