

PERSONAL INFORMATION

Dana Alina MAGDAS


📍 37 Ady-Endre STR, 400064 CLUJ-NAPOCA, ROMANIA

☎ 0040746105837

✉ alina.magdas@itim-cj.ro

Date of birth: 1st. of March 1974

Natinality: Romanian

WORK EXPERIENCE

2014-today: CS I, **Head of Mass Spectrometry, Chromatography and Applied Physics**, National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca

2014-2018: **Head of Accredited Laboratory of Mass Spectrometry, Chromatography and Ion Physics**, National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca

2014-today: **Head of Applications of Stable Isotopes at Natural Abundance and Elemental Screening at Ultra-traces Level Group**

2009- 2013: **Head of Stable Isotopes Applications Group**

2007 - 20013: Senior researcher CS III, CS I in Mass Spectrometry, Chromatography and Applied Physics Department, National Institute for Research and Development of Isotopic and Molecular Technologies

2002-2006: **PhD student**, Department of Biomedical Physics, Faculty of Physics, "Babes-Bolyai" University

1996-2003: *teacher* of physics at different top colleges in Cluj-Napoca

EDUCATION AND TRAINING

2022: **Habitation in Physics**, "Babes-Bolyai" University, Faculty of Physics

2008: *Master degree in Environmental Management, Technical University, Cluj-Napoca, Romani*

2003 - 2007: "Babes-Bolyai" University, Faculty of Physics

PhD Studies in the field of material science, molecular physics - **Doctor in Physics Diploma**

1995 - 1996: Technical University, Cluj-Napoca, Romania - **Master's Degree in Computer Sciences**

1992 - 1996: "Babes-Bolyai" University, Faculty of Physics - **Bachelor's Degree**

1988 - 1992: "Emil Racovita" National College, Cluj-Napoca - **High School Diploma**

PERSONAL SKILLS

Mother tongue(s) ROMANIAN

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH LANGUAGE	C1	C2	C1	C1	C1
SPANISH LANGUAGE	B2	B2	B2	B2	B1

Communication skills Good communication skills gained through my experience as teacher (tenure in education) and as a member in different research teams

Job-related skills

- a) **135 ISI articles**
- b) **1 book ; 4 books chapters (as main author)**
- c) **> 1600 citations** (<https://scholar.google.ro/citations?user=qBwMb7wAAAAJ&hl=ro&oi=ao>)
- d) **Hirsch Factor 21**
- e) Technical representative of Romania in the EU-Network ERC-CWS-European Reference Centre for Control in the Wine Sector;
- f) Member in the Regional Committee of representatives in EU project Enhancing SME competitiveness and sustainability in the organic sector;
- g) Member in the Management Committee of the COST Action TD 1047 "Network on technology-critical elements - from environmental processes to human health threats »
- h) Member in the Management Committee of the COST CA 18225: "Taste and Odor in early diagnosis of source and drinking Water Problems" 2019 – 2022
- i) Project evaluator PN III (Bridge grant, PD, PTE)
- j) Guest editor for the Special Issue "Processes in Isotopes and Molecules (PIM 2019), Analytical Letters (FI. 2.329).
- k) Topic Editor and Guest Editor for Molecules (MDIP) – (FI. = 4.411)
- l) Guest Editor for Applied Sciences (MDIP) – (I.F. = 2.679)

Computer skills ▪ good command of Microsoft Office™ tools (PC user)

▪ Origin program

Driving licence

▪ B

ADDITIONAL INFORMATION

FELLOWSHIPS

01.04.- 01.11.2005: Marie Curie PhD fellowship at Complutense University, Madrid, Spain

TRAININGS

1. 12-17, August, 2007, 9th EMU School, Nanoscopic Approaches in Earth and Planetary Sciences, Munich, Germany
2. 4-8, Julie, 2005, – Nanociencia: Advances experimentales y perspectivas de futuro, San Lorenzo de El Escorial, Spain
3. 16-18, May, 2005, – Nanomateriales semiconductores y magneticos: propiedades y aplicaciones, Madrid, Spain
4. 14-15, October, 2004 – Radioactivity, Radionuclides, and Radiation- A Multi-Media Training Course with Nuclides.net, Karlsruhe, Germany

Research Projects Coordination

1. PN-III-P2-2.1-PED-2021-1095 “WineRec - AI - Wine fingerprint recognition based on spectroscopic methods and Artificial Intelligence”, (2002-2004) contr: no. 651PED/2022 - Project Director
2. PN-III- PCE-2020 „Metabolomic approaches – challenges and a step forward in honey recognition”, (2021 – 2023) contr: no. 7PCE/2021 - Project Director
3. PN-III-PED-2019 – “Transylvanian spirits- from story to local fingerprint”, UEFISCDI (2020 – 2022) - contr: no. 260PED/2020 - Project Director
4. PN-III-PED *A new chemometric approach for white wines authentication, based on unconventional markers*, UEFISCDI (2017 – 2018) contr: no. 187 PED/2017
5. PN-II- RU-TE-2014: “*Organic vs. Conventional agriculture? – Applications of isotopic techniques in vegetable traceability assessment,*” UEFISCDI (2014-2016), no. 159/2015, (www.itim-cj.ro/PNCIDI/ru159/index.htm) - Dr. Dana Alina Magdas – Project Director
6. PN-II-PT-PCCA: “*Development of inovative methods, implementation of functional and demonstrative models in order to promote on the unique market the traditional cheeses manufactured in Transylvania*”, UEFISCDI (2014-2016), contract no. 153/2014 – Project Responsible
7. PN-II-RU-TE: “*Authentication and traceability of fruit juices using isotopic methods*”, UEFISCDI (2010-2013), contract no. 120/2010 – Project Director
8. PN-II program: Partnership in priority areas: “*Traceability of foods using isotope methods. Case study: wines and honey*”, UEFISCDI (2008-2011), contract no. 52-140/2008 – Project Director
9. PN-II program: Partnership in priority areas: “*Aboriginal wines aroma profile defining using isotopical IRMS and Gas-chromatographic techniques, as authentication factor for these products on the European market*”, UEFISCDI (2008-2011), contract no. 32138/01.10.2008 – Project Responsible for INCDTIM
10. PN-II program: Partnership in priority areas: “*The multidisciplinary evaluation of hydrodynamic and hydrochemical processes in the aim of the diagnosis of the vulnerability to pollution of water resources from South Dobrogea*”, UEFISCDI (2008-2011), contract no. 32138/01.10.2008 - Project Responsible for INCDTIM
11. PN-II program: Bilateral cooperation Romania – Austria “*Application of advanced methods in determination of geographic origin of wine: comparison of Austrian and Romanian wine*”- 543CB/2012(2012-2013) - coordinator of project for Romanian team

12. PN-II program: Bilateral cooperation Romania – Austria “Isotopic composition of river water in the Danube basin”, ANCS (2009-2010), contract no. 226CB/2009
13. PN-II program: Bilateral cooperation Romania – Hungary “Applications of stable isotopes in study food and water quality”, ANCS (2008-2009), contract no. 20CB/2008 - coordinator of project for Romanian team

Coordination of two contracts with the industry in the frame of POC Project - TTC-ITIM, ID_40_404, SMIS2014+ 105533

- 1) **Contract no. 279/23.04.2019** “Fingerprint and traceability of new Transylvanian cheeses specialties” in partnership with **S.C. AgroCosmFan** (2019 - 2021) – **Project Responsible**
- 2) **Contract no. 278/10.04.2019** “The development of a new enameled vessels sorts with benefits on human health”, with **INSPRESSO S.A.** (2019 - 2021) – **Project Responsible**

Membership

President of Romanian Society of Mass Spectrometry

CSI. Dana Alina Magdas, PhD

