




PERSONAL INFORMATION

Pîmău Adrian



 National Institute for Research and Development of Isotopic and Molecular Technologies(NIRDIMT), Cluj-Napoca, Romania
 +40(0) 264 584037, int.181
 adrian.pimau@itim-cj.ro

Sex Male | Date of birth | 08.08.1976 | Nationality Romanian

WORK EXPERIENCE

oct. 2006 – present

Research Assistant, Scientific Researcher III, Scientific Researcher II

National Institute for Research and Development of Isotopic and Molecular Technologies (NIRDIMT), Donat Street, 67 - 103, Cluj-Napoca Romania, www.itim-cj.ro

The study of molecular and biomolecular systems. High resolution NMR, relaxometry, diffusometry. The study of the bioligand – macromolecule intermolecular interactions.

EDUCATION AND TRAINING

oct. 2003 – dec. 2007

PhD in Physics

Babes-Bolyai University, Faculty of Physics, Cluj-Napoca, Romania
Theoretic and experimental correlations in the analysis of some biomedical compounds

sept 2002 – june 2003

M.Sc, Physics (Biophysics and Medical Physics)

Babes-Bolyai University, Faculty of Physics, Cluj-Napoca, Romania
Research on depleted water and its biological effects

sept. 1998 – june 2002

B.Sc, Physics

Babes-Bolyai University, Faculty of Physics, Cluj-Napoca, Romania
Analysis by mass spectrometry of deuterium from biological liquids

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Limba engleză English	B1/2	B1/2	B1/2	B1/2	B1/2

Driving licence B

Computer skills and competences

Gaussian, Gauss View, Molekel, Top Spin, ACD Labs, Origin

Professional competence

- High resolution NMR, Relaxometry, Diffusometry.
- The study of the bioligand – macromolecule intermolecular interactions investigated by spectroscopic techniques.. nteraction of biomolecules with plasma proteins.
- Study of the isotopic footprint of deuterium in natural and synthetized compounds. Application of ²H NMR for authentication of wines and natural juices. Implementation of the european legislation EEC 2676/90.
- Analysis of minor components from wine, by high resolution NMR spectroscopy, to improve a new methods for wines authentication.

PERSONAL SKILLS

ADDITIONAL INFORMATION

Publications

Hirsch index: 20

90 ISI papers

7 BDI papers

> 950 Independent ISI citations citări

Determination of 4 molecular structures, deposited in Cambridge Crystallographic Data Center

Scientific papers (as main author) published in ISI indexed journals among (selection): Journal of Molecular Structure, Vibrational Spectroscopy, J. Incl. Phenom. Macrocycl. Chem., J. Solution Chem., Food Biophysics, LWT - Food Science and Technology, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy

Reviewer for: Journal of Molecular Structure, Journal of Molecular Modeling,

The Journal of Physical Chemistry

Projects

Experience in over 20 research projects as member,, 1 as project leader, 1 as project leader to INCDTIM - in collaboration with the University of Bucharest and a private company – SANIMED

Memberships

Member of Romanian Society of Pure and Applied Biophysics

Member of the Management Committee of the COST Action 18206 - Glioma Magnetic Resonance Imaging 2.0 (GliMR)