




PERSONAL INFORMATION

Pîmău Adrian



 National Institute for Research and Development of Isotopic and Molecular Technologies(NIRDIMT), Cluj-Napoca, Romania  
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 [adrian.pimau@itim-cj.ro](mailto: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](http://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 <sup>2</sup>H 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: 16

80 ISI papers

7 BDI papers

690 Independent ISI citations

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, International Journal of Biological Macromolecules

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

The Journal of Physical Chemistry

## Projects

Experience in 17 research projects as member/responsible in the project team: (1 project leader, 2 research stage responsible, 14 member in the project team)

## Memberships

Member of Romanian Society of Pure and Applied Biophysics