


PERSONAL INFORMATION

**Adriana Paula Popa**

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WORK EXPERIENCE

2013–2019

**Research Scientist II**

National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca (Romania)

Composites nanomaterials characterization

Photocatalytic degradation of organic pollutants from waste waters under UV/ Visible light

Identification of Reactive Oxygen Species (ROS) by Electron Spin Resonance - spin trapping

Antioxidant activity evaluated by Electron Spin Resonance

2006–2013

**Research Scientist III**

National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca (Romania)

Magnetic Resonance (EPR) investigations of diluted magnetic semiconductors

AFM / STM characterization of thin films and nanostructures materials

2005–2006

**Research Scientist**

National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca (Romania)

Spin dynamics investigated by EPR in colossal magnetoresistive perovskites and high-Tc superconductors

EDUCATION AND TRAINING

2000–2004

**PhD in Physics**

Fourier University, CNRS/CEA-SPINTEC, Grenoble (France)

1999–2000

**Master Degree**

Babes-Bolyai University, Cluj-Napoca (Romania)

1994–1999

**University Degree**

Babes-Bolyai University, Physics Faculty, Technological Physics, Cluj-Napoca (Romania) Joseph

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	C1	B1	B1	B2

English                      B1                      B1                      A2                      A2                      B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Organisational / managerial skills**      I won and manage two national scientific projects: PNCDI-I- CEEX / 2996, PNCDI-I- CEEX /1445

**Job-related skills**                      Technical skills and competences:  
 Electron spin resonance (ESR), Atomic and Magnetic force microscopy (AFM/ MFM),

Digital skills				
SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

Word, Excel, Power Point, Origin, Windows

**Other skills**                      Specializations and qualifications:  
 Summer School on "Prospects of development and applications of magnetic nanostructures" within CDR / POMME / CNRS / Aspet, Toulouse, France, June 2001

- Summer School entitled "Mesomagnetism, spin dynamics and electron spin", organized within the project "Nanoscale Particles" Santorini, Greece, July 2001

- Winter School "Advanced Workshop on Recent Developements in Nanomaterials" International Centre for Theoretical Physics - Abdus Salam, Trieste, Italy, 15-19 January 2007.

- Specialization course Bruker BioSpin: CW-EPR, Germania, 4-6 martie 2009

**Publications**                      61 ISI articles, 462 citation, h-index:13