

## PERSONAL INFORMATION

## Teodora Radu

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 teodora.radu@itim-cj.ro

 C-2554-2012 ([www.researcherid.com](http://www.researcherid.com))

Sex Female | Date of birth 04/09/1976 | Nationality Romania

## WORK EXPERIENCE

01-04-2015-prezent

**Researcher (CSII)**

National Institute for Research and Development of Isotopic and Molecular Technologies,  
<http://www.itim-cj.ro/>

- Surface, Interface and Nanostructures investigations by XPS and EELS
- Sector Research

01-04-2006-31-03-2015

**Researcher (CSIII)**

Physic Research Laboratory of Faculty of Physics, Babes Bolyai University – Cluj

M. Kogalniceanu nr.1, [www.ubbcluj.ro](http://www.ubbcluj.ro)

- Materials surface investigation methods ( XPS and UPS)
  - Research, projects coordination and practical work with students
  - Mentoring students in elaboration graduate master theses
- Sector Academic education and Research

01.11.2013 – 31.10.2014

**Director grant – Grants Program for Young Researchers**

Babes Bolyai University – Cluj Napoca, M. Kogalniceanu nr.1, [www.ubbcluj.ro](http://www.ubbcluj.ro)

- Synthesis and characterization of nanostructured biomaterials with antibacterial and healing properties for use in implants with socio economic impact
- Research, projects coordination
- Sector Research

01. 09. 2006 – 30. 08. 2008

**Project Manager CEEEX - RP**

Babes Bolyai University – Cluj Napoca, M. Kogalniceanu nr.1, [www.ubbcluj.ro](http://www.ubbcluj.ro)

- Organizing and coordinating the activities and objectives of the project
  - Conducting measurements; Processing data and dissemination
- Sector Research

01.09. 2001 – 30.09. 2005

**PhD student**

Max Planck Institute for Chemical Physics of Solids, Nöthnitzer 40, Dresden, Germany

[www.cpfs.mpg.de](http://www.cpfs.mpg.de)

- Low Temperature Physics
- Thermodynamic measurements at ultralow temperatures and high magnetic field
- Practical work with students at TU Dresden, Germany

Sector Research

## EDUCATION AND TRAINING

01.03.2017-31.05.2017

**Certificate of attending training course, Ministry of Labour, Family, Social Protection and Elderly**

- Technology transfer and innovation management

06. 06. - 10.06 2016

**Certificate for attending training course**

Graz Center for Electron Microscopy and Nanoanalysis, TU Graz, Austria

- 31. 07. 2012 – 23. 08. 2012 **Diploma Project Manager**  
 Institute for Economical and Social Formation, Cluj Napoca, Romania

  - Methods, techniques and instruments of project management
  - Management of the research project
- 07.05. 2007 - 21.05.2007 **Certificate for attending training course**  
 SPECS Surface Nano Analysis GmbH, Voltastrasse 5, Berlin, Germany

  - X –Ray and UV Photoelectron Spectroscopy
  - Obtaining XPS and UPS spectra
  - Data processing and Interpretation using Casa XPS software
- 12.12.2011 - 16.12. 2011 **Certificate for attending training course**  
 SPECS Surface Nano Analysis GmbH, Germany - Interdisciplinary Research Institute in Bio-Nano-Sciences, Treboniu Laurian 42, Cluj Napoca, Romania

  - XPS Depth Profile measurements
  - Data processing and Interpretation using Casa XPS software
- 01. 09. 2001 – 30.09.2005 **PhD in Physics**  
 Max Planck Institute for Chemical Physics of Solids, Nöthnitzer 40, Dresden, Germany
- 01.10.1999 – 30.05.2001 **Masters Degree in Materials Science and Technology**  
 Babes Bolyai University - Cluj, 1. M. Kogalniceanu, Romania

  - Materials Science and Technology
  - Modern methods of obtaining and investigating advanced materials
- 01. 10. 2000 – 30.10.2001 **Program Tempus**  
 Technical University-Chemnitz, Germania

  - Preparation and electrical characterization in ultra-high vacuum organically modified diode
- 01. 10. 1994 – 01.07. 1999 **Diploma of Engineer Physicist**  
 Faculty of Physics, , Al. I. Cuza University-Iasi, Romania

  - Specialization Technological Physics

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
German	Independent user	Proficient user	Independent user	Independent user	Independent user

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills, adaptability, creativity, flexibility, initiative spirit gained during my research work in multinational research groups

**Organisational / managerial skills**

- Capacity of organization and coordination skills in analysis and synthesis, implementation capacity, capacity of planning and strategic action, loyalty to the interests of the institution and the research group to which I belong. These skills and competencies I have gained both during doctoral studies and later as project coordinator and mentor BA and MA level in the Faculty of Physics - University Babes Bolyai - Cluj.

**Job-related skills**

- good knowledge of the technology and electronics for X-ray and UV photoelectron spectroscopy
- processing and interpretation of spectra obtained by X-ray and UV photoelectron spectroscopy
- Project management – as project coordinator
- good knowledge in conducting XPS, UPS and EELS experiments
- MS Office
- Various programs for processing and analysis of experimental data (Origin, Casa XPS, Gatan Digital Micrograph )

**Other skills**

- Photo - personal experience

**Driving licence**

A, B

**ADDITIONAL INFORMATION**

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**Publications**

- Citation metrics (07/06/2019):
- Total Articles in Publication List: 54
- Sum of the Times Cited: 657
- h-index:14