



CS2 Dr Poienar Maria
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West University of Timisoara, Romania
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Nationality: Romanian, 41 years old

EDUCATION

- 2007 – 2010 **PhD in Chemistry of Materials.** Thesis: *Functional oxides based on chromium*, elaborated at Caen Basse-Normandie University, CRISMAT Laboratory, Caen, France (Defended in 28.09.2010).
- 2005 – 2007 **Master in Smart Nano-Microsystems.** *Magneto-optical effects in magnetic fluids* elaborated at West University of Timisoara, Faculty of Physics, Timisoara, Romania.
- 2001 – 2005 **Bachelor Degree in Physics.** *Opto-granulometry of magnetic liquids* elaborated at West University of Timisoara, Faculty of Physics, Timisoara, Romania.

PROFESSIONAL EXPERIENCE

01.02.2023- present:

Scientific Researcher 2; Institute for Advanced Environmental Research (ICAM), West University of Timisoara, Romania.

- 2014 – 2023 *Scientific Researcher 3; National Institute for Research and Development Electrochemistry and Condensed Matter Timisoara, Romania.*
- 2011- 2013 *Scientific Researcher; National Institute for Research and Development in Electrochemistry and Condensed Matter Timisoara, Romania.*
- 2011 – 2012 *Post – Doctoral Researcher; Institute Charles Gerhardt, Montpellier, France.*
- 2006 – 2011 *Research assistant; National Institute for Research and Development Electrochemistry and Condensed Matter Timisoara, Romania.*

PUBLICATION AND SCIENTIFIC CONTRIBUTION

57 ISI articles; Publications as main author: 16. HIRSCH Index: 15 (Web of Science Core Collection); 16 (SCOPUS). 2 National Patents (co-author) and more than 50 participations at National and International conferences.

PROJECTS

Year	Project title - Role – Funder – Budget
01.01.2013-31.12.2015	Project title: <i>Influence of temperature and high pressure on the structural and physical properties in Fe-based Charge Order systems</i> (PN-II-ID-JRP-2011-2) – Role: Principal Investigator/Project Manager – Funder: UEFISCDI – Budget 250 000 Euro
01.10.2015-01.10.2017	Project title: <i>Improved multifunctional crednerite type oxides: from magnetism to catalysis</i> (PN-II-RU-TE-2014-4) – Role: Principal Investigator//Project Manager – Funder: UEFISCDI – Budget 100 000 Euro
2007-2024	Member in 6 National Research Project and in 1 Grant PNRR/2022/C9/MCID/I8.

SCIENTIFIC SKILLS / INTEREST

General: Inorganic Chemistry, Materials Science. **Technical:** Synthesis by solid state reaction, hydrothermal synthesis, microwave assisted hydrothermal synthesis, ultrasound assisted co-precipitation method. Thermo gravimetric analysis; Powder and single crystal X-ray and neutron diffraction; Optic, magnetic and electric measurements. **Computational skills:** Advanced user of several Software packages including Origin, FullProf (refinement by the Rietveld method for X-Ray and neutrons patterns), Vesta and Diamond (crystal structure visualisation).

ADDITIONAL RELEVANT INFORMATION

Teaching activity: (Physics Faculty, West University of Timisoara)

- X-ray characterization of materials (seminars)

Administrative responsibility: Responsible for Radiological Protection (CNCAN licence level 1) - X-Ray Laboratory, WUT.

Member of the doctoral thesis guidance committee- PhD students at West University of Timisoara, Faculty of Physics.

Scientific reviewer at recognized journal in the field of materials science (Materials Letters, Solid State Sciences, Materials Chemistry and Physics..).

Participation at training courses/schools organised by experts in different interdisciplinary techniques (5).