

## PERSONAL INFORMATION

**Birthday:** 04.09.1986  
**Nationality:** Romanian  
**Address:** 111, Pantelimon Str, Bucharest, Romania  
**Phone:** +40 741 170 501  
**Email:** alexandru.okos@imnr.ro

## WORK EXPERIENCE

- 03.03.2022 - present** **Position:** Assistant researcher  
**Institution:** INCDMNR – Laboratory for Advanced and Nanostructured Materials  
102 Biruinței Bd. Pantelimon, Ilfov  
**Domain:** Research and Development
- 2021 - 2022** **Position:** Quality control engineer  
**Work place:** S.C. Norstal SRL, Cluj-Napoca  
**Domain:** Quality control - metallic constructions
- 2016 - 2020** **Position:** Analysis engineer  
**Work place:** S.C. Robert Bosch SRL, Cluj-Napoca  
**Domain:** Research and Development for automotive industry, quality control
- 2015 - 2016** **Position:** Chemist technician  
**Work place:** S.C. Robert Bosch SRL, Cluj-Napoca  
**Domain:** Research and Development for automotive industry, quality control

## EDUCATION AND TRAINING

- 04.2021 - 08.2021** **Qualification:** Assistant programmer, back-end web development  
**Certificate:** Serial: N, Nr: 0058211  
**Name of training / education institute:** S.C. Ilbah Studio SRL
- 2010 - 2014** **Qualification:** Doctor of Philosophy - physics / material science  
**PhD diploma:** Serial: I, Nr: 0004981  
**Name and type of education institution:** Babeş-Bolyai University, Cluj-Napoca  
**Certificate of achievement:** registration Nr: 21160582  
**Name and type of education institution:** Joseph Fourier University, Grenoble
- 2008 - 2010** **Qualification:** Master's degree – solid state physics  
**Master diploma:** Serial: A, Nr: 0019459  
**Name and type of education institution:** Babeş-Bolyai University, Cluj-Napoca
- 2005 - 2008** **Qualification:** Licentiate degree – physics  
**Licence diploma:** Serial: A, Nr: 0105130  
**Name and type of education institution:** Babeş-Bolyai University, Cluj-Napoca

**PERSONAL SKILLS**

Maternal Language  
Foreign Language(s)

Engleză  
Franceză

Romanian				
UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken Interaction	Discourse	
C1	C1	C1	C1	C1
C1	C1	C1	C1	B2

**DIGITAL SKILLS**

General digital skills

Specific digital skills

SELF - EVALUATION				
Data processing	Communication	Content creation	Cyber security	Problem solving
Advanced	Advanced	Advanced	Advanced	Advanced
<ul style="list-style-type: none"> <li>▪ programming / software development: C++, PHP, MySQL</li> <li>▪ data processing in physics: FullProf, Origin, Excel</li> <li>▪ operating systems: Windows, Linux</li> <li>▪ MS Office / LibreOffice (especially Excel, Microsoft Word, Microsoft Power-Point)</li> </ul>				

**SCIENTIFIC ACTIVITY**

Publications

Conferences

Partnerships

- Simona Varvara, Sorin-Aurel Dorneanu, Alexandru Okos, Liana Maria Mureşan, Roxana Bostan, Maria Popa, Daniel Marconi, Petru Ilea, Dissolution of Metals in Different Bromide Based Systems: Electrochemical Measurements and Spectroscopic Investigations, Materials, Volume 13, Issue 16 (August-2 2020).
- Alexandru Okos, Claire Colin, Céline Darie, Oana Raita, Pierre Bordet, Aurel Pop, Structure and magnetic properties of the layered perovskite PbVO<sub>3</sub>, Journal of Alloys and Compounds, 602, p. 265-268, 2014.
- Alexandru Okos, Aurel Pop, Céline Darie, Pierre Bordet, High pressure – high temperature synthesis and phase characterization of PbVO<sub>3</sub> perovskite compound, Studia UBB Chemia, LVIII, 3, p. 57-62, 2013.
- Alexandru Okos, Aurel Pop, Céline Darie, Pierre Bordet, The influence of partial substitution of V with Fe on structure, phase purity and microstructure of the multiferroic Pb(V<sub>1-x</sub>Fe<sub>x</sub>)O<sub>3</sub> compound, Studia UBB Physica, LVIII, 2, p. 5-14, 2013.
- 20-22 iunie 2018 – Thermo Scientific's 6<sup>th</sup> XPS workshop, Fundamentals and applications of surface analysis, Karlsruhe Institute of Technology
- Poster presentation during conference: JMC13 Montpellier Franța 2012 – Synthesis, structure and physical properties of PbVO<sub>3</sub> multiferroic perovskite
- Poster presentation during conference: 5<sup>th</sup> BioNanoSpec, Cluj 2014 – Structure and physical properties of Pb(V<sub>1-x</sub>M<sub>x</sub>)O<sub>3</sub> (M = Ti, Fe) perovskite compounds
- Objective of project: dissolution of metals using Br based solutions for the recovery of metals from waste printed circuit boards  
Partner Institutions:
  - 1 December 1918 University, Alba Iulia, Department of exact sciences
  - Babeş-Bolyai University, Cluj-Napoca, Faculty of Chemistry
  - INCDTIM, Cluj-Napoca
  - Robert Bosch, Cluj-Napoca, Department of engineering and quality control