

Dr. Alexandra POP

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Education

Institution: Babeş-Bolyai University, Cluj-Napoca (România), Faculty of Chemistry and Chemical Engineering

- *June 2014–Dec. 2015* Postdoctoral study
Funded by European project: POSDRU/159/1.5/S/ 137750.
- *Oct. 2008 – Feb. 2012* Doctor of Chemistry
Funded by European project POSDRU/6/1.5/S/3.
- *Oct. 2007 – July 2008* Master of Science, Organometallic and Coordination Chemistry
- *Oct. 2003 – July 2007* Bachelor of Science, Chemistry

Professional experience

Institution: Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

- *2017 –Present* **Lecturer**
- *2012 – Present* **Crystallographer**, National Centre for X-Ray Diffractometry (NCXRD)
- *2006 – Present* **Research assistant**

Research stays and Training

- *1 Sep. – 30 Nov. 2018* Research stay, ISQCH (CSIC-University of Zaragoza, Spain), UEFISCDI project **PN-III-P1-1.1-MC-2018-2580**
- *1 Dec. 2018 – 15 March 2019* Short Term Scientific Missions (research stay), ISQCH (CSIC-University of Zaragoza, Spain), **COST Action CA15106**
- *1 May – 7 June 2015* 3 secondments at the Institut des Sciences Chimiques de Rennes (UMR
1 Oct. – 1 Dec. 2014 6226, Rennes, France)
15 Sep.– 15 Nov. 2013
- *27 – 29 Aug. 2012* Training on single crystal X-ray diffraction (**SMART APEX user training** at Bruker AXS, Karlsruhe, Germany)
- *1 Feb. – 30 Sept. 2010* Università degli Studi di Cagliari, Dipartimento di Chimica Inorganica ed Analitica; Cagliari, Italia. **POSDRU programme** scholarship - *Doctoral studies: Science towards society*

- *15 Feb. – 15 July 2008* Research stay, Instituto de Ciencia de Materiales de Aragon, Departamento de Quimica Inorganica, Universidad de Zaragoza, Spania.
ERASMUS/SOCRATES fellowship

Organisational / managerial skills

- Project manager of one project funded by the Romanian Ministry of Education, PN-III-P1-1.1-TE-2019-1342
- Project manager of one project funded by Babeş-Bolyai University, GTC-31809
- Member of the research team of 8 projects funded by national grants (COSETEORG; CNCSIS TIP A; ID 933/2011; ID 659/2011; PCCE 0050, TE-906, PCE 857/2016; PCCF 0088)
- Trainer - Summer School financed by the Ministry of National Education and Scientific Research - Romanian Secondary Education Project (ROSE) 24.06.2019 - 07.07.2019
- Trainer - BASF Chemgeneration Program 2018 – 2019
- Secretary of the Cluj Branch of the Romanian Chemical Society

Technical skills and competences

- Expertise in the synthesis and characterisation of chalcogen-containing (S, Se, Te) compounds
- Synthesis and handling of air-sensitive compounds (Schlenk and glove-box techniques)
- Qualification and experience in operating Bruker 300, 400, 500 and 600 MHz NMR spectrometers
- Crystallographer at National Centre for X-Ray Diffractometry, Certificate of attendance of the training course at Bruker AXS, Karlsruhe, Germany. SMART APEX Single Crystal X-ray Diffractometer User Training
- 8-year experience in solving, refining and graphical processing of X-ray structures with specific software (SHELX package, WinGX, ORTEP, Diamond etc.)
- Member of Supramolecular Organic and Organometallic Chemistry Centre - SOOMCC (Excellency recognized by Babeş-Bolyai University)
- Member of the Romanian Chemical Society

Awards

- *June 2019* - Awarded with the Prize of the Romanian Chemical Society
- *2011* Award from the Babeş-Bolyai University for very good results during the Ph.D. POSDRU program *Doctoral studies: through science towards society*, project POSDRU/6/1.5/S/3
- *1 Nov. 2007 – 1 Sept. 2008* Excellence Scholarship from Babeş-Bolyai University, Cluj-Napoca, Romania

Languages: Romanian (native), English (fluent), Spanish, Italian, French