

Curriculum Vitae

Personal information

Surname / First name **APOPEI ANDREI IONUȚ**
Age **29**
E-mail(s) andrei.apopei@uaic.ro; andrei_ionut1987@yahoo.com
Websites <http://geology.uaic.ro/andrei.apopei/>
https://researchgate.net/profile/Andrei_Apopei

Research highlights

ISI publications: **8** // Citations: **16** (excluding self-citations), *according to ISI Web of Knowledge* // *h-index*: **4**
Non-ISI Publications: **8** // Citations: **42** (excluding self-citations) in prestigious journals.

Work experience 2015 – onward

Teaching and
Research

Senior Lecturer, PhD, “Alexandru Ioan Cuza” University, Department of Geology, Romania

- Courses and laboratory: Mineralogy, Crystallography, Igneous Petrology, Optical Mineralogy, Field courses, scientific advisor for BSc theses.
- Research (areas of interest): Mineralogy and geochemistry of ore deposits, Vibrational spectrometry, Environmental geochemistry.

2011 – 2015
Teaching and
Research

Teaching assistant, “Alexandru Ioan Cuza” University, Department of Geology, Romania

- Courses and laboratory: Mineralogy, Crystallography, Igneous Petrology, Optical Mineralogy, Geoinformatics, Field courses.
- Research (areas of interest): Mineralogy and geochemistry of ore deposits, Vibrational spectrometry, Environmental geochemistry.

**Education and
training
2011 – 2014**

PhD degree in *Mineralogy and geochemistry of ore deposits*

Theme of the doctoral thesis: “*Mineralogy and geochemistry of polymetallic mineralization from Coranda- Hondol (Metaliferi Mts., ROMANIA)*”, under the scientific supervision of Prof. dr. Damian Gheorghie

http://geology.uaic.ro/andrei.apopei/Apopei_Andrei_PhD_thesis_abstract.pdf

August 2014

POSDRU research fellowship

- Performing μ -Raman analyzes, macro-photos at binocular loupe @ Matej Bel University, Faculty of Natural Sciences, Banská Bystrica, Slovakia

2009 – 2011

Master studies in *Environmental Geochemistry*

- Principal studied disciplines / occupational skills covered: Spectrometry in geosciences, supergene alteration of rocks, geostatistic with applications in geochemical modeling @ “Alexandru Ioan Cuza” University, Faculty of Geography and Geology, Iași

2010 – 2011

LLP Erasmus scholarship, Belgium

- Principal studied disciplines / occupational skills covered: Soil mineralogy, Optical spectrometry of materials, Geographic information systems (GIS) @ Gent University, Belgium

2006 – 2009

Bachelor studies in *Geochemistry*

- Principal studied disciplines / occupational skills covered: Mineralogy, Igneous, Metamorphic and Sedimentary Petrology, Metallogeny, Geochemistry @ “Alexandru Ioan Cuza” University, Faculty of Geography and Geology, Iași

Personal skills

Mother tongue

Romanian

Other languages

European level *

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Written expression	
C1	Proficient user	C1	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user

English* *Common European Framework of Reference for Languages***Analytical competences**

I have the appropriate knowledge to work with the following analytical techniques: Raman and Infrared spectrometry, X-ray diffraction, SEM-EDX, electronic microprobe, atomic absorption spectrometry, optical microscope.

Organizational / managerial skills and competences

- Organized person with experience in project and team management gained through the coordination and membership of several research projects: MINGEN (project leader, budget: 4500 €), Chevron contract no. C981073 (member, responsible for AAS analyses and sampling, budget: 152000 €).
- I possess teamwork skills and the ability to adapt to multi-cultural environments gained through my Erasmus scholarship and through the research fellowships (Belgium, Slovakia).
- Organizing student field trips in the time period 2012 - 2016.
- Member Scientific Board in Carpathian Journal of Earth and Environmental Sciences (ISSN 1842-4090).

Computer Skills

- Microsoft Office suite. Knowledge and use of specialized applications: QGIS, ArcGIS, Jmol (+ scripting), OriginPro.
- Knowledge and use of JAVA and Android programming languages used successfully in projects / applications related to current research interests:
 - **Apopei A. I.** - Raman Data Search and Storage (RDSS): A Raman spectra library software using peaks position for fast and accurate identification of unknown inorganic compounds (<http://rdss.sourceforge.net>) (with over 4000 downloads).
 - **Apopei A. I.** – Geology Toolkit (<https://play.google.com/store/apps/details?id=mvpm.minerals.and.rocks>) (with over 10000 downloads).
 - **Apopei A. I.** - Java Virtual Petrographic Microscope (jVPM) (<http://jvpm.sourceforge.net>) (with over 1000 downloads).
- Knowledge and use of the following programming languages HTML5 (+ CSS3), PHP, JavaScript, jQuery, SQL, XML, used successfully to creating projects / applications related to current research interests:
 - Buzgar N., **Apopei A. I.**, Buzatu A. - Romanian Database of Raman Spectroscopy (<http://rdrs.uaic.ro>) (cited in international scientific articles (ISI) and with a high impact factor).
 - **Apopei A. I.** - Infrared Spectra Database of Mineral Species (<http://ft-ir.ro>).
 - **Apopei A. I.** - The Mohs scale clock (<http://geology.uaic.ro/andrei.apopei/mohs/>)
- Operating systems: (Windows 7/10) and Linux.

The most relevant 5 papers:

1. **Apopei A. I.**, Damian G., Buzgar N., Buzatu A., (2016) Mineralogy and geochemistry of Pb–Sb/As-sulfosalts from Coranda-Hondol ore deposit (Romania) – Conditions of telluride deposition, ***Ore Geology Reviews***, v. 72, pp. 857-873, DOI: 10.1016/j.oregeorev.2015.09.014, IF = 3,819 / 2015.
2. **Apopei A. I.**, Buzgar N., Damian G., Buzatu A., (2014) The Raman study of weathering minerals from the Coranda-Hondol open pit (Certej gold-silver deposit) and their photochemical degradation products under laser irradiation, ***Canadian Mineralogist***, v. 52, pp. 1027-1038, DOI: 10.3749/canmin.1300054, IF = 1.181 / 2014
3. **Apopei A. I.**, Damian G., Buzgar N., Milovska S., Buzatu A. (2014) New occurrences of hessite, petzite and stützite at Coranda-Hondol open pit (Certej gold-silver deposit, ROMANIA), ***Carpathian Journal of Earth and Environmental Sciences***, v. 9(2), pp. 71-78, IF = 0,630 / 2014.
4. Buzatu A., Dill H. G., Buzgar N., Damian G., Maftai A., **Apopei A. I.** (2016) Efflorescent sulfates from Baia Sprie mining area (Romania) – Acid mine drainage and climatological approach, ***Science of the Total Environment***, v. 542, pp. 629-641, DOI: 10.1016/j.scitotenv.2015.10.139, IF = 3,976 / 2015.
5. Buzatu A., Damian G., Dill H. G., Buzgar N., **Apopei A. I.** (2015) Mineralogy and geochemistry of sulfosalts from Baia Sprie ore deposit (Romania) – New bismuth minerals occurrence, ***Ore Geology Reviews***, 65-1, pp. 132-147, DOI: 10.1016/j.oregeorev.2014.09.016, IF = 3,819 / 2015.

11.02.2017

Dr. Andrei Ionuț APOPEI