



**Europass
Curriculum Vitae**

Personal information

First name / Surname **Andrei-Constantin / Berbecaru**
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Nationality Romanian

Date of birth 26.11.1984

Gender Male

Occupational field Assistant Professor

Work experience

Dates **From October 2011 – present**

Occupation or position held **Assistant Professor, Ecometallurgy and Material Processing Department (PME)**

Main activities and responsibilities

- Teaching and publishing activities
- Consulting, training and preparation activities for diploma
- Laboratory activities with graduated students
- Elaboration of research and laboratory articles together with students for different student competitions
- Research activities focused on: environment and material field, pollutants analyses, new material synthesis characterization and analyses, environmental laboratory management
- Technical activities within national and international projects

Name and address of employer **POLITEHNICA University of Bucharest, Faculty of Material Science and Engineering, 313, Splaiul Independentei, 6 District, Bucharest, Romania**

Type of business or sector Education

From October 2008 - present

Research assistant

Participation and execution of some national and international projects from environmental field, characterization and monitoring of environmental factors: water, soil and wastes
Participation and execution of some national and international projects from materials science field, characterization of materials.

POLITEHNICA University of Bucharest, Faculty of Material Science and Engineering, Center for Ecometallurgical Researches and Expertises

313, Splaiul Independentei, 6 District, Bucharest, Romania

Research

Dates **From October 2008 – September 2011**

Title of qualification awarded **Ph. D. in Material Science**

Principal subjects/occupational skills covered Materials Science and Engineering

Name and type of organisation providing education and training POLITEHNICA University of Bucharest, Faculty of Material Science and Engineering

Level in national or international classification

ISCED - 8

From October 2008 to February 2010

Master

Automated Management and ecology of industrial areas

POLITEHNICA University of Bucharest, Faculty of Material Science and Engineering

ISCED - 7

From October 2003 to July 2008

Engineer

Chemical industry and Materials Science

POLITEHNICA University of Bucharest, Faculty of Material Science and Engineering

ISCED - 6

Personal skills and competences

Mother tongue

Other languages

Self-assessment

European level (*)

English

French

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Proficient user
B1	Independent user	B2	Independent user	B1	Independent user	B2	Independent user	B1	Independent user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

- team spirit gained by working with people having different qualifications;
 - good ability to adapt to multicultural environments, gained through my work experience with young people, students and also by research activities;

Organisational skills and competences

Competences as Metrology Laboratory Responsible

- Maintenance and verification of the equipments

Competences as Assistant Teacher

- Organization of infrastructure didactic laboratory and organizing groups of students for applied laboratory works according to the courses: Introduction in Ecology, Control the impact of pollutants on the environment, Management of the metallurgical environment, Dispersion and monitoring of pollutant immissions.

Competences as Research Assistant

- Activities regarding fundamental and applied research in the field:
 - environmental expertises regarding the quality of water and soil
 - material expertises regarding the possible use of some sub-products as raw materials for decontamination processes
 - environmental monitoring for water pollutant and statistical analysis
 - Member of Organization Staff for some national symposium:
 - ROMAT Junior 2008 – National symposium of young researchers in the material field
 - GEPROPOL 2009 – Generation, prevention and pollutant processing Symposium
 - XRD analyses;
 - EOS analyses;
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Technical skills and competences

- Good skills in *working with various analytical equipment* including techniques such as: optical emission spectrometry, atomic absorption spectrometry, X-ray diffraction.

Some of the competences were gained by attending the following courses:

February 2009: Graduated course: X-ray diffractometry Training course for X'Pert Pro MPD, Organization Panalytical, Almelo, Oland

Qualification: *Trainer for XRD technique*

Computer skills and competences
Driving licence

Microsoft – Word, Excel, Power Point, Outlook, C ++, Windows 95 / 98 / ME / 2000 / NT / XP / Vista
Driving licence category B, since 2002

Additional information

- Member of the Romanian Society of Metallurgy (SRM, 2009);
- Publications: 35 articles from which 15 ISI quoted;
- Co-author at 3 books;
- Member in 8 research projects;

Annex