

## Curriculum vitae Europass



### Personal Information

Surname / First Name **VENTER MONICA MIHAELA**

Adress "Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering,  
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Romania.  
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Nationality Romanian

Date of Birth Oct. 07, 1964

### Professional Experience

Period 1990 (Oct)- present

Employer "Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering,  
Department of Inorganic Chemistry, Arany Janos 11, 400028 Cluj-Napoca,  
Romania.

Position Academic staff:  
2007 (March) - present : Reader  
1998 (Oct) – 2007 (Febr): Lecturer  
1991 (Oct) – 1998 (Sept): Teaching Assistant  
1990 (Oct) – 1991 (Sept): Preparator

Specialization Inorganic Chemistry and Chemical Technology

Activities Didactic activities, scientific research, scientific project management

Period 1988 (Sept) – 1990 (March)

Employer "Sinteza" Chemical Plant, Oradea, Romania

Position Chemical engineer

Specialization Inorganic Chemical Technology

Activities Production

Period 1990 (March) – 1990 (Sept)

Employer Research Center for inorganic pigments, paints and polish (CCPALV), Oradea,  
Romania

Position Chemical engineer, scientific researcher

Specialization Inorganic Chemical Technology

Activities Scientific research

### International Mobilities

Period 2000 (jun) – 2001 (jul) and

	1999 (apr – may)
Host Institution	University of Bath, UK, Department of Inorganic Chemistry (Prof.Dr. K.C. Molloy)
Position	NATO / RSC Fellow
Activities	Scientific research
Period	1996 (Oct) – 1997 (March):
Host Institution	University of Tuebingen, Germany, Department of Inorganic Chemistry (Prof.Dr. J. Strahle)
Position	Academic exchange fellow
Activities	Scientific research
Period	1995 (may – jul)
Host Institution	University of Bristol, UK, Department of Inorganic Chemistry (Prof.Dr. N.G. Connelly)
Position	TEMPUS Fellow
Activities	Didactical and scientific up-grade

## Education

Period	1992 – 1998
Degree	PhD in Chimie. Specialization: Coordination and Organometallic Chemistry Scientific Supervisor: Acad. Prof. Dr. Ionel Haiduc Title: "Metal complexes with polyazene derivatives"
Institution	"Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Department of Inorganic Chemistry, Arany Janos 11, 400028 Cluj-Napoca, Romania
National or Interational Ranking	Doctoral studies
Period	1983 – 1988
Degree	Bachelor in Chemistry. Specialization: Inorganic Chemical Technology.
Institution	"Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Department of Inorganic Chemistry, Arany Janos 11, 400028 Cluj-Napoca, Romania.
National or Interational Ranking	Academic studies, Bachelor

## Professional Competences

### Professional Competences:

- Specific inorganic technologies;
- Inorganic materials chemistry and precursor chemistry;
- Descriptive inorganic chemistry, organometallic and coordination chemistry, supramolecular chemistry;
- Synthesis and characteriyation of molecular compounds and inorganic materials: Thermogravimetric analysis, IR, Raman, UV-VIS, multinuclear NMR and Mossbauer spectroscopy, single-crystal and powder X-ray diffraction.

### Teaching Activities (undergrad. & master) / Disciplines:

- General chemistry; Inorganic chemistry; Special chapters of inorganic chemistry (RO & EN; undergrad. & master);
- Fine inorganic synthesis (RO; undergrad.);
- Organometallic chemistry; Organometallic precursors for materials (RO & EN);
- Inorganic materials; Nonconventional inorganic materials (RO & EN; undergrad. & master);
- Specific inorganic technologies; Fertilizer technology (RO; undergrad.);
- Industrial pollutants (RO; undergrad.).

### Teaching Activities (postgrad.) / Disciplines:

- Inorganic materials;
- Explosion and flammability hazards in inorganic chemistry;
- Dangerous inorganic substances and materials.

**Graduation project scientific supervisor:**

- Diploma and Bachelor projects (RO & HU);
- Master in Science Dissertations (RO & EN);
- Didactical projects - grade I.

**Examination/Evaluation activities:**

- Member of the Bachelor Examination Commission, engineering specializations;
- Member of the MSc Examination Commission, engineering specializations;
- Member of the Student Performance Fellowship Commission;
- Member of the Didactical Examination Commissions;
- Member of the PhD Admission Commissions (Romania);
- Scientific evaluator for international grants;
- Member/Chair of the international scientific conference boards.

**Scientific Activity**

- 2 scientific books;
- 32 ISI papers out of 42 scientific articles;
- 220 citations (Scopus);
- H 10 (Scopus)
- over 40 scientific communications at national and international conferences, as poster, oral or invited lecture presentations;
- 3 multiannual research grants (overal 8 ani) as project director;
- 9 multiannual research grants as team member
- Scientific reviewer for ISI journals;
- Scientific reviewer for PhD Thesis (Romania);

**Management Competences**

- 1999 – 2007: The management of 3 multiannual research grants (overal 8 ani) as project director;
- Member of the Advertising Commission of the Faculty;
- 2003 – 2009: Advertising Coordinator of the Inorganic Chemistry Department;
- 2009 – present: Coordinator of the *Inorganic Substances Engineering and Environment Protection* undergrad. specialization;
- 2012 – present: Coordinator of *The Management of Dangerous Chemical Substances* postgrad. program;
- 2012 – present: Member of the Faculty Advisory Board;
- 2012 – present: Member of the Advisory Board's Commission for Students (at faculty and department level);
- Member of the Admission Commission of the Faculty;
- 2012 – present: Affiliated member of the Curriculum Commission of the Chemistry Department;
- Student tutor for chemistry and chemical engineering specializations (RO & EN; undergrad);

**Personal Skills**

First Language Romanian

## Foreign Languages

Self assesment

European Level (\*)

**English****French****Hungarian**

Comprehension		Speaking		Writing
Listening	Reading	Conversation	Oral discourse	Written discourse
Advanced	Advanced	Advanced	Advanced	Advanced
Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Advanced	Advanced	Advanced	Advanced	Intermediate

**ResearcherID** A-9956-2012**Appendix I** List of scientific publications**Appendix II** List of scientific research grants

