Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Matei-Maria UȚĂ**
Address(es)	11, Arany János street, Cluj-Napoca, RO-400028
Telephone(s)	40-264-593833
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E-mail	umatei@chem.ubbcluj.ro
Nationality	Romanian
Date of birth	October 14, 1975
Gender	male

Work experience

Dates	2006-present
Occupation or position held	system administrator
Main activities and responsibilities	network communications
Name and address of employer	Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
Dates	2002-2006
Occupation or position held	PhD student in quantum chemistry
Main activities and responsibilities	chemical research
Name and address of employer	Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
Dates	2000-2002
Occupation or position held	chemistry teacher
Main activities and responsibilities	teaching
Name and address of employer	Emil Racoviță High School, Baia Mare

Education and training

Dates	2002-2006
Title of qualification awarded	PhD in Chemistry
Name and type of organisation providing education and training	Babeş-Bolyai University, Cluj-Napoca
Dates	2001-2003
Title of qualification awarded	Master of Science in Applied Informatics and Programming
Name and type of organisation providing education and training	Technical University, Cluj-Napoca
Dates	1994-1998
Title of qualification awarded	Bachelor's degree in Chemistry
Name and type of organisation providing education and training	Babeş-Bolyai University, Cluj-Napoca

	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced
Language										

(*) Common European Framework of Reference for Languages

Computer skills and competences

- administration of computers and networks under windows and linux
- use of most common applications, such as Microsoft Word, Excel, Powerpoint
- use of specialized chemistry software, such as Gaussian, Spartan, ChemOffice

Additional information

Annexes

Publications

9. **Carbon Dioxide Activation:**
   Hydration by Carbonic Anhydraze and Related Systems – What Makes a Good Catalyst?
   R.Silaghi-Dumitrescu, M.M.Uță, A.Kállay, J.Bódis *J.Mol.Struct.Theochem*, **2010**, *942 (1)*, 15-18.

8. **The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster:**
   A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *Inorg.Chem.*, **2009**, *48 (17)*, 8508-8514.

7. **Endohedral Nickel, Palladium, and Platinum Atoms in 10-Vertex Germanium Clusters:**
   Competition between Bicapped Square Antiprismatic and Pentagonal Prismatic Structures
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *J.Phys.Chem.A*, **2009**, *113 (3)*, 527-533.

6. **Beyond the Icosahedron:**
   A Density Functional Theory Study of 14-Atom Germanium Clusters
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *Eur.J.Inorg.Chem.*, **2008**, *25*, 3996-4003.

5. **Polyhedral Structures with Three-, Four-, and Five Fold Symmetry in**
   Metal-Centered Ten-Vertex Germanium Clusters
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *Chem.Eur.J.*, **2008**, *14*, 4542-4550.

4. **Nitrite Linkage Isomerism in Bioinorganic Chemistry:**
   A Case for Mechanistic Promiscuity
   R.Silaghi-Dumitrescu, M.M.Uță, *Studia.Univ.Babes-Bolyai Chemia*, **2008**, *53 (2)*, 61-65.

3. **Beyond the Wade-Mingos Rules in Bare 10- and 12-Vertex Germanium Clusters:**
   Transition States for Symmetry Breaking Processes
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *J.Chem.TheoryComput.*, **2008**, *4*, 209-215.

2. **Density Functional Theory Study of Twelve-Atom Germanium Clusters:**
   Conflict Between the Wade-Mingos Rules and Optimum Vertex Degrees
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *J.Chem.Soc. Dalton Trans.*, **2007**, 364-372.

1. **Density Functional Theory Study of 10-Atom Germanium Clusters:**
   Effect of Electron Count on Cluster Geometry
   R.B.King, I.Silaghi-Dumitrescu, M.M.Uță, *Inorg.Chem.*, **2006**, *45*, 4974-4981.