

Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Mihály Béla**
 Address(es) 11, Arany János
 E-mail simbaleo80@gmail.com, mb15@chem.ubbcluj.ro
 Nationality Romanian
 Date of birth 22.01.1980

Work experience

Dates 2003–present
 Occupation or position held PhD student
 Name and address of employer Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University

Education and training

Dates - October 2003–present
 Title of qualification awarded -
 Principal subjects/occupational skills covered - doctoral studies in Coordination Chemistry, Computational Chemistry
 Name and type of organisation providing education and training - Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University
 Dates - October 2002 - July 2003
 Title of qualification awarded - Master of Science
 Principal subjects/occupational skills covered - Applied Organometallic and Coordination Chemistry
 Name and type of organisation providing education and training - Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University
 Dates - October 1998 – July 2002
 Title of qualification awarded - Bachelor's degree in Chemistry
 Name and type of organisation providing education and training - Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University

Self-assessment
European level ()*

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced
A2	Basic	A2	Basic	A2	Basic	A2	Basic	A2	Basic

(*) Common European Framework of Reference for Languages

Technical skills and competences synthesis and characterization of coordination compounds of purine base derivatives

Computer skills and competences	- use of specialized Chemistry software (Gaussian, Spartan, HyperChem, ChemOffice etc.) - use of programming languages (Mathematica)
Stays abroad:	- June 2008 – March 2009, Eotvos Lorand University, Budapest, Hungary. - December 2009, University of Leipzig, Germany.

Published Papers

1. **Synthesis and characterization of some mixed ligand Zn(II) complexes of theophylline**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *Studia Universitatis Babeş-Bolyai, Chimia, LII, 4, 2007*.
2. **(Diethylenetriamine)bis(theophyllinato)-zinc(II) dihydrate**, B. Mihály, E. Forizs, A.-Z. Kun, I. Silaghi-Dumitrescu, *Acta Cryst., E65*, m579, 2009.
3. **Novel mixed ligand cadmium(II) theophyllinato complexes with potential bioactivity**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *Proceedings of the 9th International Symposium on metal elements in Environment, Medicine and Biology (M.E.E.M.B.), Tome IX, 126–129, 2009*.
4. **Geometry optimization and comparative DFT study of (diethylenetriamine)-bis(theophyllinato)zinc(II) dihydrate**, B. Mihály, A.-Z. Kun, E. Forizs, A. Patrut, I. Silaghi-Dumitrescu, *Studia Universitatis Babeş-Bolyai, Chimia, XLV, 2, TOM I, 125–131, 2010*.

Posters

1. **Synthesis and characterization of model compounds containing the Zn(II)ion**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *EME Évi Tudományos Ülésszak, Târgu-Mureş, 26 October, 2003*.
2. **Sinteza și caracterizarea unor noi complecși ai zincului cu baze purinice**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *EME Évi Tudományos Ülésszak, 2004*.
3. B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *EME Évi Tudományos Ülésszak, Cluj-Napoca, 18–22 November, 2005*.
4. **Sinteza și caracterizarea unor noi compuși ai zincului cu baze purinice**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *A XXVIII-a Conferință Națională de Chimie, P.S.II.21, Călimănești-Căciulata, 06–08 August, 2006*.
5. B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *Molecular Modeling In Chemistry And Biochemistry (MolMod), Arcalia, 05–08 July, 2007*.
6. B. Mihály, T. Mihály, A.G. Császár, *A XIV-a Conferință Națională de Chimie (14th International Conference on Chemistry), Cluj-Napoca, 13–15 November, 2008*.
7. **Novel mixed ligand cadmium(II) theophyllinato complexes with biological activity**, B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, *Proceedings of the 9th International Symposium on metal elements in Environment, Medicine and Biology (M.E.E.M.B.), 16–17 October, 2009*.
8. **Purinszármazékok vegyesligandumú komplexei (Mixed ligand complexes of purine derivatives)**, B. Mihály, T. Mihály, A.-Z. Kun, E. Forizs, I. Silaghi-Dumitrescu, *A XIV-a Conferință Națională de Chimie (15th International Conference on Chemistry), Târgu Mureș, 12–15 November, 2009*.
9. **Experimental and theoretical investigations of a new purine containing model compound**, B. Mihály, A.-Z. Kun, E. Forizs, I. Haiduc, *Molecular Modeling In Chemistry And Biochemistry (MolMod), Cluj-Napoca, 28 May, 2010*.

Oral Presentations

1. B. Mihály, E. Forizs, I. Silaghi-Dumitrescu, **Potencialis gyógyszerhatással bíró teofillinkomplekek szintézise és jellemzése (Sinteza și caracterizarea unor noi compuși ai teofilinei cu posibil efect medicamentos)**, „Máthé János” Symposium, May 2009, Cluj-Napoca.
2. B. Mihály, T. Mihály, **Improving the understanding of the spectroscopy of ketene by joint use of experiment and theory**, QUASAAR Winter School, 20–25 February 2009, Jasná-Chopok, Slovakia.
3. B. Mihály, T. Mihály, **Metal-DNA interactions**, 19 December 2009, Leipzig, Germany.