

**Curriculum Vitae**  
**György Tarczay (March 2013)**

**Affiliation, address:**

associate professor (2012-) [assistant (2003-2004), assistant professor (2004-2012)]

Laboratory of Molecular Spectroscopy, Institute of Chemistry, Eötvös University, Budapest

Environmental Chemical Physics Laboratory of Eötvös University and Hungarian Academy of Sciences

Pázmány P. s. 1/A, H-1117 Budapest, Hungary

P. O. Box 32, H-1518 Budapest 112, Hungary

e-mail: [tarczay@chem.elte.hu](mailto:tarczay@chem.elte.hu), [tarczay@gmail.com](mailto:tarczay@gmail.com)

homepage: <http://www.chem.elte.hu/departments/altkem/tarczay>

**Education:**

M.Sc. in Chemistry (1998), Eötvös University, Hungary

Ph.D. in Chemistry (2001), Eötvös University, Hungary

**Professional experience, visits abroad, and formal collaborations:**

University of York, England, Visiting Scholar (1998, 1999, 2000)

University College London, Visiting Scholar (1999)

Center for Computational Quantum Chemistry, Athens, GA, USA, Visiting Scholar (1999)

Ohio State University, Columbus, Ohio, USA, post-doctoral fellow (2002-2003)

Eötvös University–Justus Liebig-Universität (Gießen), DAAD – PPP mobility 2008–2010

Eötvös University–Max-Planck-Institut für Bioorganische Chemie (Mülheim), DFG – MTA mobility  
2009–2012

**Honors:**

Bronze Medal, International Chemistry Olympiad, Italy (1993)

Albert Szent-Györgyi Medal (1993)

Eötvös Scholarship (1999)

Zoltán Magyary Fellowship (2004-2006)

Bolyai Fellowship (awarded and declined because of awarding Magyary Fellowship, 2004)

Polanyi Youth Price of the Hungarian Academy of Sciences (2006)

Bolyai Fellowship (2006)

Albert Szent-Györgyi Medal (2006)

**National and International Professional Activities:**

Secretary of the Inorganic and Organometallic Chemistry Working Group

(Inorganic and Physical Chemistry Group) of the Hungarian Academy of Sciences (2005-2011)

Member of the Editorial Board of Journal of Molecular Structure (2010-)

Reviewing >12 papers per year for >10 international journals

**Educational Activities:**

*Lectures:* General Chemistry (Chemistry BSc), Chemistry (Physics BSc), Structural Chemistry

(Chemistry MSc), Inorganic Chemistry (Earth Sciences BSc), Optical Spectroscopy (Chemistry MSc)

*Special courses:* Lasers in Chemistry (Chemistry BSc), Astrochemistry (Chemistry BSc and MSc, Physics

BSc and MSc, Astronomy MSc), Investigation Methods of Materials (vibrational spectroscopy,

Material Sciences MSc)

*Laboratory courses:* Inorganic Chemistry Laboratory course (Chemistry BSc), Modern Structural

Elucidation Methods (IR spectroscopy, Chemistry MSc), Molecular Spectroscopy Special

Laboratory (Chemistry MSc), Modern Natural Sciences (Chemistry and Physics for Science

Communication MSc)

*Others:* Preparatory course for The International Chemistry Olympiad, Organizer of the popular

science lectures series of „Alchemy Today” at Eötvös University

([http://www.chem.elte.hu/pr/alkimia\\_ma.html](http://www.chem.elte.hu/pr/alkimia_ma.html))

*Supervised* 3 PhD students and >10 MSc/BSc project students

**Skills:**

Spectroscopic Techniques, including REMPI, ZEKE, MATI, LIF, and Dispersed Fluorescence, FT-IR Spectroscopy, Raman Spectroscopy, Vibrational Optical Activity (CD and ROA), VUV Photoelectron Spectroscopy, Matrix isolation spectroscopy

High-accuracy ab initio calculations, First-principles calculation of spectroscopic constants

High-Energy Pulsed Lasers, Vacuum techniques, Cryogenic cooling, Developing special instruments

**Publications and Research Presentations (as of Jan. 2013):**

Author of 53 scientific publications in international refereed journals, 3 book chapters and 5 scientific papers/reviews in Hungarian.

Received more than 550 independent citations, Hirsch-index is 20

4 invited, 9 contributed talks, and >20 Posters on international conferences