

Curriculum vitae

Personal data

Name: Milán, Szőri, PhD.
Office: Institute of Chemistry, University of Miskolc

Employments

01/09/2016-: **Associate Professor**, University of Miskolc (**HU**)
01/09/2014-31/08/2016: **College Associate Professor**, University of Szeged (**HU**)
01/06/2013–01/10/2014: **Magyary Zoltán fellow**, University of Szeged (**HU**)
01/01/2012–31/12/2012: **Postdoctoral fellow**, Karlsruhe Institute of Technology (**DE**)
01/02/2010-31/08/2014: **Assistant Professor**, University of Szeged (**HU**)
01/02/2009-31/01/2010: **Research Fellow**, University of Szeged (**HU**)
09/2008 (1 month): **Visiting researcher**, University of California Irvine (**USA**)
11/2007-12/2008: **Postdoctoral fellow**, Academy of Sciences of the Czech Republic (**CZ**)
01/01/2005-31/03/2006: **Scientific assistant**, University of Karlsruhe (**DE**)

Scientific degree

2009: **Ph.D. in Chemistry**, University of Szeged (**HU**)

Scientific activities

1. Exploring reaction mechanism and investigation of physico-chemical phenomena relevant for chemical industry
2. Chemical Evolution (enrichment of biomonomers, stability of biologically relevant bonds, interfacial phenomena related to chemical evolution)
3. Atmospherically relevant gas-phase and surface reactions
4. Water adsorption on self-assembled monolayers (SAM) as proxies for atmospheric surfaces. (Atmospheric properties of self-assembled monolayers with different functional end-group)
5. Combustion related reaction mechanism (biofuel)
6. Oxidative degradation of peptides and unsaturated fatty acids
7. Benchmark of ab initio calculations (CHEAT1)

Professional experiences abroad

01/01/2012–31/12/2012: **Postdoctoral fellow**, Karlsruhe Institute of Technology (**DE**)
05/2009 (1.5 month): **Visiting researcher**, Academy of Sciences of the Czech Republic (**CZ**)
09/2008 (1 month): **Visiting researcher**, University of California Irvine (**USA**)
11/2007-12/2008: **Postdoctoral fellow**, Academy of Sciences of the Czech Republic (**CZ**)
01/01/2005-31/03/2006: **Scientific assistant**, University of Karlsruhe (**DE**)

Membership

2008-2009 **Royal Society of Chemistry**

Citation report

Number of papers and abstracts published and accepted: **58**
Cumulative impact factor: **>100**
Total number of citations: **438**
Number of independent citations: **282**

The most relevant publications

1. **Szóri, M.;** Jedlovszky, P., Adsorption of HCN at the Surface of Ice. A Grand Canonical Monte Carlo Simulation Study *J. Phys. Chem. C* **2014**, 118, 3599–3609. **IF= 4.835 (2013)**
2. **Szóri, M.;** Jedlovszky, P.; Roeselova, M., Water adsorption on hydrophilic and hydrophobic self-assembled monolayers as proxies for atmospheric surfaces. A grand canonical Monte Carlo simulation study *Phys. Chem. Chem. Phys.* **2010**, 12, 4604-4616. **IF= 3.453**
3. Izsák, R.; **Szóri, M.;** Knowles, P. J.; Viskolcz, B., High Accuracy Ab Initio Calculations on Reactions of OH with 1-Alkenes. The Case of Propene *J. Chem. Theory Comput.* **2009**, 5, 2313-2321. **IF=4.804**
4. **Szóri, M.;** Fittschen, C.; Csizmadia I. G.; Viskolcz, B., Allylic H-Abstraction Mechanism: The Potential Energy Surface of the Reaction of Propene with OH Radical *J. Chem. Theory Comput.* **2006**, 2, 1575-1586. IF=3.627
5. Moussa, S. G.; McIntire, T. M.; **Szóri, M.;** Roeselova, M.; Tobias, D. J.; Grimm, R. L.; Hemminger, J. C.; Finlayson-Pitts, B. J., Experimental and Theoretical Characterization of Water Uptake on Self-Assembled Monolayers: Understanding the Interaction of Water with Atmospherically Relevant Surfaces *J. Phys. Chem. A* **2009**, 113, 2060-2069. **IF= 2.899**