I. Curriculum vitae

PERSONAL INFORMATION

Name: Dr. Tamás János Szidarovszky
Researcher unique identifier: https://scholar.google.com/citations?hl=en&user=SVRg0xAAAAAJ
Nationality: Hungarian
Date of birth: 1985.09.06.
Email address: tamas.janos.szidarovszky@ttk.elte.hu , **Website:** https://tamas821.github.io/

SCIENTIFIC INDICATORS (as of 2022.09.01)

Citations: 1346, H-index: 19, i10-index: 30. Publications in refereed journals: 46. Book chapters: 3.

SHORT INTRODUCTION

I am a theoretical chemist with a higher education in both chemistry and physics. During my PhD studies at the Eötvös Loránd University in Budapest, Hungary, I did research in quantum dynamics and theoretical high-resolution molecular rovibrational spectroscopy, which involved method development as well as applications of general interest. As a postdoc, I utilized my knowledge in high-accuracy molecular modeling in the context of strong field science, in the group of Prof. Kaoru Yamanouchi at The University of Tokyo, where I was later hired as an assistant professor. Eventually I decided to give up my tenure position in Tokyo and attempt to establish a scientific career in my home country.

EDUCATION

2013 PhD in Theoretical Chemistry - *Thesis: Rovibrational spectra near dissociation*
ELTE Eötvös Loránd University, Supervisor: Prof. Attila G. Császár

2013 BSc in Physics
ELTE, Supervisor: Dr. Zoltán Kaufmann

2009 MSc in Chemistry
ELTE, Supervisors: Prof. Attila G. Császár, Dr. Gábor Czakó

SHORT RESEARCH VISITS

2008 Group of Prof. Árpád Somogyi, *University of Arizona, AZ, USA*
Research topic: Determining the products and the kinetic properties of the tholin-water reaction using high resolution mass spectrometry

2006 Group of Prof. Árpád Somogyi, *University of Arizona, AZ, USA*
Research topic: Automatization of mass spectra analysis

CURRENT POSITIONS

2017 – Research associate
Institute of Chemistry, ELTE Eötvös Loránd University

PREVIOUS POSITIONS

2017 – 2022 Research associate
MTA-ELTE Complex Chemical Systems Research Group

2016 – 2017 Assistant professor
Department of Chemistry, The University of Tokyo - Yamanouchi Laboratory

2014 – 2016 JSPS postdoctoral fellow
Department of Chemistry, The University of Tokyo - Yamanouchi Laboratory

2012 – 2014 Research assistant
ELTE Institute of Chemistry and MTA-ELTE Complex Chemical Systems Research Group

GRANTS AND FELLOWSHIPS

2020 – 2024 FK20 Grant (NKFIH Young Researcher Excellence Program)
2020, 2022 Bolyai+ Young Researcher Fellowship (New National Excellence Program)
2020 – 2023 Bolyai János Research Fellowship (Hungarian Academy of Sciences)
2017 – 2020 PD17 Fellowship (NKFIH Postdoctoral Excellence Program)
2014 – 2016 JSPS Postdoctoral Fellowship (Japan Society for the Promotion of Science)
2014 Erdős Pál Young Researcher Fellowship (National Excellence Program)
2007 – 2008 Scholarship of the Hungarian Republic

PRIZES AND AWARDS

2020 Academic Youth Prize (Hungarian Academy of Sciences)
2019 Michael Polányi Award, youth category (Hungarian Academy of Sciences)
2019 'Excellent researcher of the Institute' (Institute of Chemistry, ELTE)
2007 'Excellent student of the Faculty' (Faculty of Sciences, ELTE)

SUPERVISION OF STUDENTS

2021 – 2022 Tamás Emri (BSc)
Institute of Chemistry, ELTE

2019 – 2022 Irén Simkó (MSc and PhD)
Institute of Chemistry, ELTE (co-supervisor: Prof. Attila G. Császár)

2016 – 2017 Maho Jono (BSc)
Dept. of Chemistry, The University of Tokyo (co-supervisor: Prof. Kaoru Yamanouchi)

2013 – 2017 Dóra Papp (PhD)
Institute of Chemistry, ELTE (co-supervisor: Prof. Attila G. Császár)

TEACHING ACTIVITIES

2022 Physical Chemistry I. practice (BSc), ELTE, Hungary
2021 – 2022 Criterion class in Chemistry for biology majors (BSc), ELTE, Hungary
2020 Physical Chemistry Laboratory (BSc), ELTE, Hungary
2017 Advanced quantum chemistry and structural analysis (PhD level), ELTE, Hungary
2016 Laboratory work in physical chemistry (BSc), The University of Tokyo, Japan
2013 Calculations in physical chemistry (BSc), ELTE, Hungary
2010 – 2011 Mathematical methods in chemistry (MSc), ELTE, Hungary

ORGANIZATION OF SCIENTIFIC MEETINGS

2018 International Symposium on Ultrafast Intense Laser Science (ISUILS2018)
Visegrád, Hungary. Role: Co-Chair, local organizer

2018 Anharmonicity in Medium-Sized Molecules and Clusters (AMOC2018)
Budapest, Hungary. Role: local organizer

COMMUNITY SERVICE

2018 – Member, public body of the Hungarian Academy of Sciences
(Committee on Physical Chemistry, Section of Chemical Sciences)
2018 – Reviewer for the National Research, Development and Innovation Office, Hungary
2020 – Member, Reviewer Board (Photonics, MDPI)
2021 – Reviewer for the American Physical Society (APS)
2021 – Secretary, AMMB Working Committee of the Hungarian Academy of Sciences
2022 – Review Editor, Phys. Chem. and Chem. Phys. (Frontiers in Chemistry and Frontiers in Physics)