

Curriculum vitae

PERSONAL INFORMATION

Name: Dr. Tamás János Szidarovszky

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SCIENTIFIC INDICATORS (as of 2025.11.04)

Citations: 1900, H-index: 24, i10-index: 39. Publications in refereed journals: 50. Book chapters: 4.

CURRENT POSITION

2025 – Associate professor
Institute of Chemistry, ELTE Eötvös Loránd University

PREVIOUS POSITIONS

2017 – 2025 Research associate
Institute of Chemistry, ELTE Eötvös Loránd University

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

EDUCATION AND TITLES

2025 Doctor of the Academy
Hungarian Academy of Sciences (MTA)

2024 Habilitation
ELTE Eötvös Loránd University

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: Inspecting 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

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

2022 ‘Promising researcher of Eötvös Loránd University’ (ELTE)
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)

COMMUNITY SERVICE, NETWORKING

2025 – Delegate of Hungary, Division of Computational and Theoretical Chemistry, EuChemS
2022–2025 Review Editor, Phys. Chem. and Chem. Phys. (Frontiers in Chemistry and Frontiers in Physics)
2021 – Secretary, AMMB Working Committee of the Hungarian Academy of Sciences
2021 – Reviewer, European Research Council (ERC)
2021 – Reviewer, American Physical Society (APS)
2020-2024 Member, AttoChem network WG2 (COST Action CA18222)
2020 – Member, Reviewer Board (Photonics, MDPI)
2018 – Reviewer, National Research, Development and Innovation Office, Hungary
2018 – Member, public body of the Hungarian Academy of Sciences
(Committee on Physical Chemistry, Section of Chemical Sciences)

ORGANIZATION OF SCIENTIFIC EVENTS

2023. COST Action CA18222 - 4th AttoChem Annual Meeting, Szeged, Hungary.
Role: local organizer
2021 – Meetings of the AMMB Working Committee of the Hungarian Academy of Sciences, Hungary.
Organized six domestic conferences so far.
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

TEACHING ACTIVITIES

2024 – Mathematical modeling in natural sciences (BSc), ELTE, Hungary
2024 – Applied mathematics in chemistry (BSc), ELTE, Hungary
2022 – Physical Chemistry I. practice (BSc), ELTE, Hungary
2021 – 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

ADDITIONAL TRAININGS

2019 CANVAS (advanced), ELTE, Hungary
2019 CANVAS (beginner), ELTE, Hungary
2015 Research ethics, The University of Tokyo, Japan

SCIENCE COMMUNICATION

2025 Presenter at Eötvös summer camp (József Eötvös College)
2023 Presenter at Fazekas+ festival (Mihály Fazekas High School)
2022,2024 Presenter at ELTEfest (Eötvös Loránd University)
2022 Presenter at Alchemy Today (ELTE, Institute of Chemistry)
2021 Appearing on the Podcast of the School of Science, ELTE
2021 Interview on the "open day" of the Chemistry Institute of ELTE
2019 Presenter at Turbine Academy
2019 Presenter at FameLab Hungary
2015 Science Dialogue presenter (Hikawa Highschool, Yamanashi, Japan)
2013 Presenter at AtomCsill (ELTE, Institute of Physics)
