

## Curriculum vitae

### PERSONAL INFORMATION

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**Name:** Dr. Tamás János Szidarovszky

**Google Scholar ID:** [SVRg0xAAAAAJ](#)

**ORCID:** 0000-0003-0878-5212

**ResearcherID:** E-4376-2015

**Scopus ID:** 31067548100

**MTMT ID:** 10029758

**Date of birth:** 1985.09.06.

**Email address:** [tamas.janos.szidarovszky@ttk.elte.hu](mailto:tamas.janos.szidarovszky@ttk.elte.hu) , **Website:** <https://tamas821.github.io/>

### SCIENTIFIC INDICATORS (as of 2025.09.29)

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Citations: 1883, H-index: 24, i10-index: 39. Publications in refereed journals: 50. Book chapters: 4.

### CURRENT POSITION

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

### PREVIOUS POSITIONS

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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

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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

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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

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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**

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- 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**

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- 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**

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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**

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- 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**

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

## SCIENCE COMMUNICATION

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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)

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