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Professional experience

- 2011–2014 **Assistant research fellow**, Bolyai Institute, University of Szeged, Hungary
2014–2015 **Assistant research fellow**, MTA–SZTE Analysis and Stochastics Research Group, Hungarian Academy of Sciences and University of Szeged, Hungary
2015–2016 **Research fellow**, MTA–SZTE Analysis and Stochastics Research Group, Hungarian Academy of Sciences and University of Szeged, Hungary
2016– **Postdoc-assistant**, Department of Mathematics, University of Klagenfurt, Austria
2022– **Associate professor**, Bolyai Institute, University of Szeged, Hungary

Education

- 2003–2008 **Diploma with master’s degree in mathematics** (specializations in mathematics and in financial mathematics) – University of Szeged, Hungary
Thesis: Dynamical study of a neural network (2008) [in Hungarian]
Supervisor: Prof. Dr. Tibor Krisztin
2008–2014 **PhD in mathematics** – University of Szeged, Hungary
Thesis: Delayed differential and difference equations modeling biological phenomena (2014)
Supervisor: Prof. Dr. Tibor Krisztin [full pdf \(in Hungarian\)](#); [outline of thesis \(in English\)](#)
2022 **Habilitation in mathematics** – University of Szeged, Hungary
Thesis: On the global attractor of delay differential and difference equations

Research interests

- ◆ delay differential equations
- ◆ difference equations
- ◆ global dynamics, structure of the global attractor
- ◆ qualitative theory of (nonautonomous) dynamical systems

Research activities

- ◆ 17 published/accepted papers in peer-reviewed journals
- ◆ 32 conference talks/posters (14 of which invited)
- ◆ 3 “science to public” papers
- ◆ 7 seminar talks

For a list of all publications visit my [homepage](#) or <https://orcid.org/0000-0001-9693-1923>.

Recognitions

2007	Scholarship of Szeged City (awarded to the best 1% of the students of the University of Szeged)
2007	Honourable mention – International Mathematics Competition for University Students
2011	Third prize at the publication competition of the Szeged Committee of the Hungarian Academy of Sciences
2013	Jedlik Ányos Scholarship for Pre-Doctoral Candidates, Office of Public Administration and Justice, Hungary
2014	Best paper award of the year 2013 in the Journal of Difference Equations and Applications
2022	Bolyai János Scholarship

Teaching experience

- ◆ 20 years of teaching experience (in Hungarian, English and German)
- ◆ Supervisor of 1 master thesis and 4 bachelor theses
- ◆ Lectures: Calculus I–II; Dynamical Systems; Introduction to Numerical Methods; Mathematical Modelling; Applied Analysis Proseminar
- ◆ Exercise sessions and computer labs: Applied Statistics; Calculus I–III; Dynamical Systems; Introduction to Numerical Methods; Introduction to Stochastics; Ordinary Differential Equations; Simple Mathematics

Research funding history

2022–2026 – OTKA FK 142891: Global dynamics of delay equations: state-dependent delay and nonautonomous equations

Role in scientific community

2009–2011 Speaker of PhD students in mathematics at the University of Szeged
2014–2016 Secretary of the Council of Science and Engineering, Hungarian Scientific Research Fund (National Research, Development and Innovation Office from 2015)
2013– Technical editor of the Electronic Journal of Qualitative Theory of Differential Equations
2022– Secretary of the Mathematics Doctoral School at the University of Szeged

Event administration

2010 The First Conference of PhD Students in Mathematics, June 29 – July 2, 2010, University of Szeged, Hungary (co-organizer)
2011 9th Colloquium on the Qualitative Theory of Differential Equations, June 28 – July 1, 2011, University of Szeged, Hungary (co-organizer)
2012 Szeged–Timișoara Workshop on Differential Equations, April 20–22, 2012, University of Szeged, Hungary (co-organizer)
2012 The Second Conference of PhD Students in Mathematics, June 28–30, 2012, University of Szeged, Hungary (co-organizer)

- 2014 The Third Conference of PhD Students in Mathematics, June 30 – July 2, 2014, University of Szeged, Hungary (co-organizer)
- 2014 Szeged Summer School on Mathematical Epidemiology, August 4–7, 2014, University of Szeged, Hungary (mentor)
- 2014 Autumn School on Laser Dynamics, September 24–28, 2014, University of Szeged, Hungary (main organizer)
- 2015 10th Colloquium on the Qualitative Theory of Differential Equations, July 1–4, 2015, University of Szeged, Hungary (co-organizer)
- 2018 Special session on the topic “Difference Equations and Discrete Dynamical Systems” (co-organized together with Eduardo Liz) on the International Conference in Nonlinear Analysis and Boundary Value Problems, 2018.
- 2019 11th Colloquium on the Qualitative Theory of Differential Equations, June 17–21, 2019, University of Szeged, Hungary (co-organizer)
- 2023 12th Colloquium on the Qualitative Theory of Differential Equations, June 19–23, 2023, University of Szeged, Hungary (main organizer)
- 2024 Delay differential equations and applications at the Equadiff Conference, University of Karlstad, Sweden (co-organizer)

Language skills

- ◆ Hungarian (native)
- ◆ English (advanced)
- ◆ German (intermediate)