


PERSONAL  
INFORMATION**Zoltán Kónya**

-  Rerrich Béla tér 1., 6720 Szeged (Hungary)
-  +36 62 544620
-  konya@chem.u-szeged.hu
-  <http://www.staff.u-szeged.hu/~konya/index.html>

## WORK EXPERIENCE

- 01/09/1997–31/08/2012 **Teacher assistant, Assistant lecturer, Lecturer**  
University of Szeged, Department of Applied & Environmental Chemistry
- Main activities and responsibilities  
Research project on synthesis, characterization and possible application of carbon nanotubes;
- teaching activity  
industrial chemistry, chemical engineering
- 01/09/2012–Present **Professor, Head of Department**  
University of Szeged, Department of Applied & Environmental Chemistry
- Main activities and responsibilities  
Supervising and control of several research projects on nanotechnology; synthesis and characterization of nanostructured systems, study of their application in biology and material science;
- teaching activity  
industrial chemistry, chemical engineering, heterogeneous catalysis, nanotechnology, nanocomposites;  
director of Environmental Science Doctoral School
- 01/07/2012–Present **Head of Group**  
MTA-SZTE Reaction Kinetics and Surface Chemistry Research Group
- Main activities and responsibilities  
Supervising and control of several research projects on surface chemistry of 2D materials and nanocomposites
- 01/07/2018–Present **Vice-Rector for Scientific Affairs & Innovation**  
University of Szeged
- Main activities and responsibilities  
Development and control of the scientific and innovation strategy of the University of Szeged

## EDUCATION &amp; TRAINING

- 01/09/1989–30/06/1994 **Chemistry MSc** EQF level 7  
University of Szeged, Szeged (Hungary)
- 01/09/1995–30/06/1997 **Environmental Sciences MSc** EQF level 7  
University of Szeged, Szeged (Hungary)
- 01/09/1994–31/08/1997 **PhD in Chemistry** EQF level 8  
University of Szeged, Szeged (Hungary)

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

good communication skills gained through my experience as visiting researcher in Belgium and US

Organisational / managerial skills

leadership (currently responsible for a team of 30 people); good team-leading skills gained as head of the Department

Job-related skills

mentoring skills (as senior researcher, I am responsible for the training and induction of new students and young researchers)

Computer skills

good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL INFORMATION

Number of publications: **>600**

Number of independent citations: **~9500**

Cumulative Impact Factor: **>1500**

Hirsch Index: **56 (Scopus) / 63 (Google Scholar)**

**Awards**

2000-2003. Bolyai János Research Grant

2003-2004. Magyary Zoltán Research Grant

2004. Polányi Mihály Award

2004-2007. Bolyai János Research Grant

2015. OTDT "Mestertanár" Award

2015. Hungarian Academy of Sciences Pungor Ernő Award

2017. George Hevesy Award, German Chemical Society

2018. MTA Patent Award

2018. Gábor Dénes Award

2019. Hungarian Order of Merit, Commander's Cross

Closed projects (From 2010)

Year	Acronym	Title	Status	Támogatás
2010-2013	FP7 NAPEP	Nanotechnology platform for electronics and photonics (FP7 RTD INCO.2010-6.1-NAPEP)	PI	178 KEUR
2010-2013	FP7 ThemaCNT	Thermal management with carbon nanotube architectures (FP7 NMP-2008-SMALL-2-ThemaCNT)	PI	220 KEUR
2011-2014	IPA HU-SRB	Development of new materials for application in environmentally friendly technologies for the cost-effective remediation of contaminated sites (HUSRB/1002/214/188)	PI	189 KEUR
2010-2012	TAMOP 4.2.1B	Center of Excellence at the University of Szeged	co-PI	121 MHUF
2012-2014	TAMOP 4.2.2A	Új, funkcionális anyagok által kiváltott biológiai és környezeti válaszok	PI	492 MHUF

2012-2015	FP7 SusFoFlex	Smart and Sustainable Food Packaging Utilizing Flexible Printed Intelligence and Materials Technologies (FP7-KBBE-2011-5)	PI	211 kEUR
2012-2017	MTA	Surface Chemistry and Reaction Kinetics Research Gr.	PI	150 MHUF
2016-2021	GINOP 2.3.2	Functional surfaces based intelligent materials – from synthesis to application	PI	791 MHUF
2017-2021	GINOP 2.3.3	Complex Surface Characterization Center	PI	672 MHUF
2016-2020	OTKA K120115	Controlled growth of metal nanoparticles on atomically thin 2D insulator and conductive films and their role in surface catalytic reactions	PI	39,5 MHUF
2017-2022	MTA	Surface Chemistry and Reaction Kinetics Research Gr.	PI	145 MHUF

Ongoing projects

2020-2023	OTKA SNN135918	Synthesis and Application of Visible Light-Responsive $\Pi$ -Conjugated Polymer–Semiconducting Oxide Nanoassemblies for Photocatalytic Detoxification of Wastewaters	PI	30,36 MFt
2020-2023	GINOP 2.3.4	Sustainable Green Chemistry & Mobility Competence Center	PI	4000 MHUF
2021-2025	OTKA K138714	Fabrication, characterization and catalytic application of low-dimensional carbon- and metal-modified boron nitride	PI	39,4 MFt
2021-2024	619413-EPP-1-2020-1-HU-EPPKA2-CBHE-JP	Erasmus+ Tackling the Climate change through Modernizing Environmental Engineering program (TACMEE)	PI	991 kEUR
2022-2026	TKP2021-NVA-19	Materials Science and photonics	PI	1200 MHUF
2022-2027	ELKH-SZTE	Surface Chemistry and Reaction Kinetics Research Gr.	PI	160 MHUF

International cooperations

Through EU FP5, FP6 and FP7 projects and personal acquaintance: Azerbaijan, Finland, Italy, Spain, Deutschland, Switzerland, Serbia, Slovenia, Romania, Sweden, Taiwan, Portugal, USA, Japan, Thailand, Mongolia

Szeged, 2023. January

