

ZSUZSANNA KOLBERT (ÖRDÖGNÉ)

Particulars:

Date of birth: December 10, 1981
Place of birth: Esztergom, Hungary
Present position: associate professor
Present address: Department of Plant Biology
University of Szeged
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web: <https://plantnanobio.com/en/>
Marital status: married, mother of two
Maternity leave: June 2012-May 2014 and April 2022-Oct 2023

Education, degrees:

2005 University of Szeged, University Diploma (M.Sc. biologist)
2008 University of Szeged, University Diploma (M.Sc. biology teacher)
2009 University of Szeged, Ph.D. degree
2017 University of Szeged, habilitation
2024 Hungarian Academy of Sciences, doctoral dissertation public defence (01/02/2024)

Languages: Hungarian (native), English (fluent), German (intermediate)

Employment and research experience:

2005-2008 Scientific Assistant /PhD Student, Dept. of Plant Biology, USZ
2008-2013 Assistant lecturer, Dept. of Plant Biology, USZ
2013-2017 Assistant professor, Dept. of Plant Biology, USZ
2018-to date Associate professor, Dept. of Plant Biology, USZ
2023- deputy head of department, Dept. of Plant Biology, USZ

Responsibilities in scientific societies:

2024- Agricultural, Biotechnological Scientific Board, Hungarian Academy of Sciences, member

- 2021- Hungarian Society for Plant Biology, vice president
- 2021- Academy of Young Researchers, member
- 2018- „Plant NO Club”, scientific committee member

Editorship:

- 2015- editorial board member, Journal of Plant Physiology (Elsevier)
- 2019- editorial board member, Plants (MDPI)
- 2021- editorial board member, Plant Stress (Elsevier)
- 2021- associate editor, Plant Cell Reports (Springer)
- 2022- editorial board member, Plant Nano Biology (Elsevier)
- 2023- editorial board member, BMC Plant Biology (Springer)
- 2020 guest editor, Plants (MDPI)
- 2020 guest editor, Journal of Experimental Botany (Oxford University Press)
- 2021 guest editor, Journal of Experimental Botany (Oxford University Press)
- 2021 guest editor, Springer (co-editor of the book entitled Selenium and nano-selenium in environmental stress management and crop quality improvement)
- 2024 guest editor, Plant Science (Elsevier)

Conference organization:

- 2019 3rd Agriculture and Climate Change Conference (Elsevier, 24-26/05/2019, Budapest), local Co-chair
- 2021 8th Plant Nitric Oxide International Meeting (7-9 July, 2021, online, main organizer)
- 2024 9th Plant Nitric Oxide International Meeting (28-29 February, 2024, online, <https://www.pno9.com/>) member of the international organizing committee

Study trips abroad:

- 2008 (2 weeks) Instituto Nacional de Tecnologia Agropecuaria, Córdoba, Universidad Nacional de Mar del Plata, Mar del Plata, Argentina
- 2017 (1 week) Dipartimento di Scienze delle Produzioni Agroalimentari e dell'Ambiente, University of Florence, Florence, Italy
- 2018 (3 months) Institute of Biochemical Plant Pathology, Helmholtz Zentrum München, German Research Center for Environmental Health, 85764 München/Neuherberg, Germany

National research projects

- 2012-2014. OTKA PD100504 **project leader**. Signal transduction of heavy metal-induced root morphological responses in Brassicaceae: from model to crop. (*10-excellent*)
- 2016-2020 NKFI-6 K120383 **project leader**. Novel regulators in root system modification: the roles and interactions of nitric oxide and phytohormone-dependent signals. (*10-excellent*)

2018-2020 NKFI-8 KH129511 **project leader**. Characterization of the role of reactive nitrogen species during ZnO nanoparticle-induced phytotoxicity. (*9-excellent*)

2020-2024 NKFI-1 K135303 **project leader**. Zinc deficiency and its amelioration with nanomaterials in plants: focusing on reactive nitrogen species. (*in progress*)

2024-2028 NKFI-1 K146292 **project leader**. Inducing plant fungal resistance by reactive nitrogen species liberating nanomaterials. (*in progress*)

2023-2028 HAS Momentum LP2023-14/2023 **project leader**. Nanotechnology-assisted novel priming strategies for drought tolerance improvement in plants. (*in progress*)

Awards/grants (last 10 years)

2014 Zoltán Magyary Postdoctoral Scholarship

2015 József Sófi Foundation, USZ, Dr. Lajos Ferenczy Memorial Award (for supervising Msc students)

2016 Hungarian Academy of Sciences Bolyai János Research Scholarship

2017 National Eötvös Scholarship

2017 New Excellence Program Scholarship

2018 József Sófi Foundation, USZ, Dr. Tibor Farkas Memorial Award (for supervising PhD students)

2018 New Excellence Program Scholarship

2020 Bolyai Certificate

2020 Young Researcher of the Year Award at USZ

2021 Excellence Award provided by the Women in Science Association

2022 Grant for researchers raising small children to obtain the doctoral title in Hungarian Academy of Sciences

2024 Hungarian Academy of Sciences, Support for International Conference Participation

***Pro bono* activities**

2022 mentor (2 persons), Hungarian Young Academy of Sciences Bolyai Mentoring Programme

2023 mentor (3 persons) and main coordinator, Hungarian Young Academy of Sciences “Bolyai” and “NKFIH_PD” Mentoring Programmes

2024 main coordinator Hungarian Young Academy of Sciences “Bolyai” and “NKFIH_PD” Mentoring Programmes

Publication record:

Scientific publications:	155
Cumulative impact factor:	269.55
Citations (independent /all):	1894/2335
H-index:	28
Citations (Google scholar):	3225
H-index (Google scholar):	32

Publications:

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10029284>

Google scholar:

<https://scholar.google.hu/citations?user=P5oGrWQAAAAJ&hl=en>

ORCID:

<https://orcid.org/0000-0002-7819-4672>

ResearchGate:

<https://www.researchgate.net/profile/Zsuzsanna-Kolbert>

Szeged, 09/03/2024