

Curriculum vitae

Dr. Ágnes Szepesi



Affiliation:

Department of Plant Biology,
Institute of Biology,
Faculty of Science and Informatics,
University of Szeged
H-6726 Szeged Közép fasor 52.
Tel/Fax: +36 62 544 307
www.sci.u-szeged.hu/plantphys

Personal information:

Place and date of birth: Kecskemét, 11/12/1979
E-mail address: szepesia@bio.u-szeged.hu

Working place and positions:

2014- Assistant Professor, Department of Plant Biology, University of Szeged
2007-2014 Assistant Lecturer, Department of Plant Biology, University of Szeged
2006-2007 Research fellow, Department of Plant Biology, University of Szeged

Education:

2003-2009 SZTE Biology Doctoral School, Department of Plant Biology, SZTE
PhD dissertation: Effect of long-term salicylic acid pretreatment on tomato salt stress acclimation. (2010 PhD summa cum laude)
Supervisor: Dr. Görgényi Miklósné Dr. habil. Tari Irma (Department of Plant Biology, SZTE)

1998-2003 Biologist, Faculty of Science and Informatics, SZTE (MSc.)
MSc thesis: Effect of salicylic acid treatment on salt stress acclimation of tomato plants.
Supervisor: Dr. Görgényi Miklósné Dr. habil. Tari Irma (Department of Plant Biology, SZTE)

2001-2005 Biology English translator, SZTE TTIK
1994-1998 Móra Ferenc High School, Kiskunfélegyháza

Language exams:

- 2009 Spanish basic B (ELTE ITK ORIGO, No. 1087618)
2005 English scientific upper level C (SZTE, No. 002748)
1998 English intermediate level B (ELTE ITK ORIGO, No. 003242)
1997 English intermediate A (ELTE ITK ORIGO, No. 043991)

Experiences:

- 2021.10.14-2021.10.28. Teaching methodology training-Tanulási Eredmény alapú képzésfejlesztés, AP2_OKTIG2_SZTE_TEAM_Képzési program (felnőttképzés ny.sz: B/2020/000676)
2021.12.01-2021.12.08. Evaluation of teaching based results-Tanulási Eredmény alapú képzésfejlesztés, AP2_OKTIG2_SZTE_TEAM_Képzési program (felnőttképzés ny.sz: B/2020/000676)
2014.12.05.-2015.01.09. Scientific communication and science management training Eruditio Oktatási ZRt., Budapest
2001 „B” category driving licence

Research project activities:

- **RESEARCH AND DEVELOPMENT OF A SYSTEM FOR SUPPLYING PLANTS WITH EXTRA NUTRIENTS.** GINOP Project number: GINOP_PLUSZ-2.1.1-21-2022-00080. Head of the consortium: TS Labor. Consortium partner: Szegedi Tudományegyetem. Project group leader: Prof. Dr. Zoltán Kónya. Research group leader from Department of Plant Biology: **Dr. Ágnes Szepesi**, Assistant Professor. Project duration: 23/03/2022 – 23/05/2025 (Funding to SZTE 193.340 965 M HUF)
- **Investigating the relationship between polyamine catabolism and hypusination under salt stress in tomatoes.** Project No: OTKA FK 129061. Principal Investigator (FTE:3.15): **Dr. Ágnes Szepesi**, Assistant Professor. Evaluation: excellent. Project duration: 01/12/2018-30/11/2022 (25.348 M HUF)
- **Plants under the microscope: digitization of the microscopic section collection of the SZTE Department of Plant Biology -Mecenatúra 2021.** Project No.: MEC 141281. Principal Investigator: **Dr. Ágnes Szepesi**, Assistant Professor. Project duration: 01/03/2022-29/02/2024 (7.889 M HUF)
- **SZTE TTIK Research School 2017/2018** project with János Garay High School from Szekszárd (supervisor: Mrs Takács Melinda Ballai, **Dr. Ágnes Szepesi**, the project title: *Analytical chemical characterization of different types of coffee and coffee extracts, with special regard to their organic acid and methylxanthine composition*)
- **Comparative study of programmed cell death induced by salicylic acid and salt stress in tomatoes.** Project number: OTKA K101243. Principal investigator: Görgényiné Dr. Irma Tari. Project participant as senior researcher (FTE:2.0): **Dr. Ágnes**

Szepesi, Assistant Professor. Evaluation: excellent. Project duration: 01/01/2012-31/12/2015 (10.024 M HUF).

- **Joint development of higher education and vocational training in plant biology for the sake of a knowledge-based society.** IPA Cross-Border Cooperation Program, project number: HUSRB/1203/221/173. Principal investigator: Görgényiné Dr. Irma Tari. Project participant as the researcher of antioxidant defence system: **Dr. Ágnes Szepesi**, Assistant Professor Project duration: 01/01/2015-30/06/2016 (IPA funding: 171 785.00 €, national funding (HU) 15 313.00 €, Serbian funding (SRB) 15 001.50 €).
- **Szeged-Temesvár axis for safe food.** SZETISA1 (2011-2012) Project number: HURO/0901/147/2.2.2. Principal investigator: Prof. Dr. László Erdei. Project participant as the researcher of antioxidant defence system: **Dr. Ágnes Szepesi**, Assistant Lecturer. Project duration: 01/02/2011-31/05/2012 (full funding 364 500.00, from this ERFA funding 309 825.00 €)

Scientific awards:

- 2023 Certificate of recognition for supervisor activity (36. OTDK, OTDT)
2021 Certificate of recognition for supervisor activity (35. OTDK, OTDT)
2016 Certificate of recognition for consulting activities (XXI. National MÉTE TDK)
2015 Certificate of recognition for supervisor activity (XXXII. OTDK, OTDT)
2012 Zoltán Magyary Postdoctoral Scholarship, project title: **Investigation of polyamine catabolism processes on tomato plants**, project number: A2-MZPD-12-0298, TÁMOP 4.2.4. A/2-11-1-2012-0001 'National Excellence Program'.
2011 Certificate of recognition for supervisor activity (XXX. OTDK, OTDT)
2008 Ferenc Deák Predoctoral Scholarship, project title: **Effect of long-term salicylic acid pretreatment on salt stress acclimatization of tomato plants**, project number: 0053, Ministry of Education.
2007 Hungarian Academy of Sciences, SZAB 2007. grant: II. prize.

Memberships in scientific societies:

- 2022- International Polyamine Foundation ONLUS
2022- EUCARPIA European Association for Research on Plant Breeding
2021- Society for Free Radical Research – Europe (SFRR-E)
2019- Phytochemical Society of Europe (PSE)
2019- Committee on Agricultural Biotechnology, IV. Section of Agricultural Sciences, Hungarian Academy of Sciences
2014- Hungarian Society for Free Radical Research (MSZKT)
2003- Hungarian Society for Plant Biology (MNBT)
2003- Federation of European Societies of Plant Biology (FESPB)

Editorial board memberships:

- 2023- Editorial Board Member- Plant Stress (Elsevier)
- 2022- Editorial Board Member- World Academy of Sciences Journal (Spandidos Publications)
- 2022- Editorial Board Member- International Journal of Functional Nutrition (Spandidos Publications)
- 2022- *Guest Editor:* Frontiers in Plant Science- „Working Towards Sustainable Agriculture With Biostimulants And Biocides: From Chemical Structure to Application Methods”. Co-editors: Fernanda Fidalgo, Cristiano Soares.
- 2022- *Guest Editor:* Special Issue "Modes of Action of Polyamine Metabolism" (MDPI IJMS, Basel) 2.0 special issue, the continuation of the SI from 2021
- 2021- Frontiers in Plant Science (Review Editor- Plant Physiology, Plant Metabolism and Chemodiversity, Plant Abiotic Stress)
- 2020 *Guest Editor:* Special Issue "Plant Metabolites and Regulation under Environmental Stress" (MDPI Plants, Basel) (upon request)
- 2021- *Guest Editor:* Special Issue "Modes of Action of Polyamine Metabolism" (MDPI IJMS, Basel)
- 2021- *Guest Editor:* Special Issue "The Role of Salicylic Acid in Mitigating Plant Stress and Its Application in Agriculture" (MDPI Plants) (upon request)

Review Activities:

- Acta Alimentaria, An International Journal of Food Science
- Acta Biologica Hungarica
- Acta Biologica Szegediensis
- Acta Physiologiae Plantarum
- Agriculture
- Agronomy (MDPI)
- Antioxidants
- Biologia Futura
- Biologia Plantarum
- BMC Plant Biology
- Cereal Research Communications
- Chemosphere
- Environmental Geochemistry and Health
- Environmental and Experimental Botany
- Functional Plant Biology
- Frontiers in Plant Science
- Genes
- Horticulturae
- International Journal of Molecular Sciences
- Journal of Experimental Botany
- Journal of Plant Growth Regulation
- Molecular Biology Reports

- Physiology and Molecular Biology of Plants
- Physiologia Plantarum
- Photosynthetica
- Plants (MDPI)
- Plant Biology
- Plant Cell Reports
- Plant Physiology and Biochemistry
- Plant Signaling and Behaviour
- Plant Stress
- Scientia Horticulturae
- Scientific Reports
- Sustainability

Evaluation activities:

- 2024 National Science Centre Poland, reviewer
- 2024 NKFIH (OTKA) Member of the Complex Environmental Science College, Crop and Animal Breeding expert group
- 2023 NKFIH (OTKA) Member of the Complex Environmental Science College, Complex Agriculture expert group
- 2023 OTKA project evaluation
- 2022 SZTE local TDK Biology V. (Plant Biology) section jury president
- 2020 SZTE local TDK Biology II. (Plant Biology and Ecology) section jury member
- 2018 Opponent of doctoral dissertation, Dóra Szopkó, Szent István University, Biology Scientific Doctoral School
- 2016 Reviewer to a Msc diploma work, Szent István University

Public activity related to University:

- 2023 prospective OTDK Secretary and organizer of the 37th OTDK Biology section 2025
- 2022- Erasmus Coordinator of Institute of Biology, University of Szeged
- 2020- Open Day TTIK SZTE TTIK (organizer, lecturer)
- 2018 SZTE TTIK Enrollment Tour participant and lecturer in high schools
- 2018.02.23. A lecture combined with a workshop at the János Garay High School in Szekszárd entitled "Possibilities and challenges of HPLC analysis in plant biology".
- 2018- Officer of social media pages of Institute of Biology, SZTE TTIK (Facebook, Instagram)
- 2016, 2018 Art Competition of Institute of Biology (organizer)
- 2012- Fascination of Plants Day (organizer, lecturer)
- 2010- Researcher's Night (organizer, lecturer)

Scientific organization activity:

2024	III. ISCRAES (INTERNATIONAL SYMPOSIUM ON CLIMATE-RESILIENT AGRI-ENVIRONMENTAL SYSTEMS) Implementing the New Green Deal: The Path Towards Sustainable Agriculture, Dublin, Ireland Scientific Committee member
2024	4th Plant Polyamines Research Workshop, Szeged, (international) organizer
12-13/10/2023	The 3rd Plant Polyamine Research Workshop, Budapest and Martonvásár (organizer)
01/12/2022	II. Hungarian Polyamine Research Workshop, Szeged (organizer)
07-10/06/2022	II. ISCRAES (INTERNATIONAL SYMPOSIUM ON CLIMATE-RESILIENT AGRI-ENVIRONMENTAL SYSTEMS) Implementing the New Green Deal: The Path Towards Sustainable Agriculture, Dublin, Ireland, Scientific Committee member
19/11/2021	I. Hungarian Polyamine Research Workshop, Martonvásár (organizer)
07-09/07/2021	8th Plant Nitric Oxide International Meeting, Szeged, Local Organizing Committee member
2018-	Erasmus experiences for students with Dr. László Bakacsy, Assistant Professor (organizer)
2013 April	A Szegeden rendezett XXXI. Országos Tudományos Diákköri Konferencia Biológia szekció egyik szervező tagja

Experiences abroad:

2023 (5 days)	Erasmus Staff Mobility , University of Porto, host Researcher: Prof. Fernanda Fidalgo, host Institute: Plant Stress Lab, Porto, Portugal
2022 (5 days)	Erasmus Staff Mobility , University of Porto, host Researcher: Prof. Fernanda Fidalgo, host Institute: Plant Stress Lab, Porto, Portugal
2019 (5 days)	Erasmus Staff Mobility , Cyprus University of Technology, host Researcher: Prof. Vassilis Fotopoulos, host Institute: Cyprus University of Technology, Department of Agricultural Sciences, Biotechnology and Food Science, Limassol, Cyprus
2018 (5 days)	Erasmus Staff Mobility , University of Florence, host Researcher: Dr. Alessio Papini, host Institute: University of Florence, Department of Biology, Florence, Italy
2017 (5 days)	Erasmus Staff Mobility , University of Florence, host Researcher: Dr. Alessio Papini, host Institute: University of Florence, Department of Biology, Florence, Italy
2015 (5 days)	Erasmus Staff Mobility , Cyprus University of Technology, host Researcher: Prof. Vassilis Fotopoulos, host Institute: Cyprus University of Technology, Department of Agricultural Sciences, Biotechnology and Food Science, Limassol, Cyprus

- 2015 (3 months) **Campus Hungary long-term research scholarship**, host Researcher: Prof. Dr. Christian Lindermayr, host Institute: Redox signaling and antimicrobial peptides research group, Institute of Biochemical Plant Pathology, Helmholtz Zentrum, Munich, Germany, funding: Institute of Balassi
- 2014 (1 month) **Campus Hungary short-term research scholarship**, host Researcher: Prof. Dr. Christian Lindermayr, host Institute: Redox signaling and antimicrobial peptides research group, Institute of Biochemical Plant Pathology, Helmholtz Zentrum, Munich, Germany, funding: Institute of Balassi
- 2013 (5 days) **Erasmus Staff Mobility**, Afyon Kocatepe University, host Researcher: Dr. Suleyman Cenkci, host Institute: Afyon Kocatepe University, Department of Biology, Afyonkarahisar, Turkey

TDK/OTDK supervisor:

- 2023 Péter Pálfi, XXXVI. OTDK III. prize, Plant Physiology Section
- 2022 Péter Pálfi, SZTE TDK, II. prize, Biology V. Section
- 2016 Zoltán Márton Köhler, XXI. NATIONAL MÉTE TDK Conference, certificate
- 2015 Ágnes Hurton, XXXII. OTDK, special award, Plant Biology Section
- 2013 Zoltán Takács, XXXI. OTDK I. prize, Plant Physiology and Anatomy I. Section
- 2011 Zoltán Takács, XXX. OTDK II. prize, Plant Physiology Section

PhD student supervisor:

- 2022- Péter Pálfi (100% supervision)
- 2023- Henrietta Kovács (100% supervision)

Management activities:

- 2024- Leader of Plant Metabolic Physiology Research Group
- 2022- Expert of Plant-related research in project of GINOP Plusz -2.1.1-21-2022-00080
- 2018- Head of the Plant Polyamine Lab

Publications:

mtmt2: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10029428>

ORCID: <https://orcid.org/0000-0003-3043-4857>

Google Scholar: <https://scholar.google.com/citations?user=FykET7MAAAAJ&hl=hu>

Researchgate: <https://www.researchgate.net/profile/Agnes-Szepesi>

Publons/Web of Science ResearcherID: L-8814-2018