

Curriculum vitae

Personal data:

Name: **Dr. Viktória Kovács**
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Jobs, positions:

2019 - Research Associate
Agricultural Research Centre, Institute of Agriculture, Department of Plant Biology and Metabolomics
H-2462, Martonvásár, POB 19.

2016 - 2019 Research Associate

2010 - 2015 Junior Research Associate

Hungarian Academy of Sciences, Agricultural Research Centre,
Institute of Agriculture, Department of Plant Life Sciences
H-2462, Martonvásár, POB 19.

Research field: plant stress genetics

- Current topics: Investigation of the effects of various nitrogen sources on plant growth and development (changes in vegetative organ development, flowering induction, fruit set) under abiotic stress conditions, with special emphasis on species for gluten-free diets (oats, millet).
- Regulation of plant metabolism and growth under LED illumination (co-researcher 2020-2022, project ID: NKFIH K131907) and the role of blue light receptors in abiotic stress-induced processes. Investigating the potential of LED technology in basic plant biology research
- to investigate the role, mechanism of action and regulation of genes involved in tolerance to different stresses in cereal crops, *Arabidopsis* mutants and tomato
- Role of secondary metabolites (salicylic acid, other members of the phenylpropanoid pathway) under abiotic and biotic stresses in cereals and *Arabidopsis*
- UV light induced defence mechanisms in cereals
- Investigation of cereal antioxidant enzymes and isoenzymes (activity, role) in defence mechanisms against different stresses

Education, scientific degree:

2011 - 2015 PhD studies, Eötvös Loránd University, Budapest

PhD thesis topic: Investigation of the relationship between salicylic acid-dependent defence mechanisms and stress tolerance in wheat.

2004 - 2010 Biologist (biotechnologist), University of Debrecen, Debrecen, Hungary

Diploma thesis: Cold stress in toxin-producing *Microcystis* species.

Languages: English (intermediate), German (basic)

Memberships:

2023- : Veszprém Regional Committee, Hungarian Academy of Sciences (MTA VEAB)

2021- : Scientific Committee on Agricultural Biotechnology of the Hungarian Academy of Sciences, (MTA)

2023- : Member of the Hungarian Free Radical Research Society

2011- : Member of the Hungarian Society of Plant Biology

2011- : Member of the Federation of European Societies of Plant Biology

Maternity leave: 2016-2019