

Publications and research profile (ctrl + click)



Research Focus

- wheat pre-breeding, interspecific hybridization, alien chromosome introgressions, genetic diversity, wild relatives, *Thinopyrum species*, *Agropyron glael*, crossing programs, development of chromosome additions and translocations
- Molecular cytogenetics, *in situ* hybridization FISH, GISH, and mcGISH, genome karyotyping and chromosome identification, optical and fluorescence microscopy, image processing, cytological analysis
- Field and greenhouse experimental design and statistical methods, morphological and agronomic characterization, fungal disease evaluation, data handling, field trials implementation and management

Education and Academic Degrees

- 2016 – **Ph.D.** in Crop and Horticultural Sciences, Szent István University, Gödöllő, Hungary. title: Identification of Alien Chromosomes in Introgression Lines Derived from Wheat/ Barley and Wheat/ *Agropyron glael* Crosses using Molecular Cytogenetic Methods
- 2008 – **M.Sc.** in Biology (specialization biotechnology) University of Debrecen Faculty of Science and Technology, Hungary. Master thesis: Results of saccharose induced *in vitro* tuber formation in potato (*Solanum tuberosum*).

Position and Employment

- 2021– present – **Senior Research Associate**, Genetic Resources Research group (István Molnár's laboratory), Department of Biological Resources, Agricultural Research Institute, Centre for Agricultural Research, ELKH, Martonvásár, Hungary
- 2016–2021 Maternity leave
- 2008–2016 – **Junior Research Associate**, PhD student, Department of Plant Genetic Resources and Organic Breeding (Márta Molnár-Láng's laboratory), Agricultural Institute, Hungarian Academy of Sciences, Martonvásár, Hungary

Membership

- Association of Hungarian Plant Breeders (2013- member with voting rights)
- Biotechnology working committee, Veszprém Regional Committee, Hungarian Academy of Sciences (2023- secretary)
- Scientific Committee on Plant Breeding, Hungarian Academy of Sciences (2021- member)

Scholarship

- National Excellence Programme, Ányos Jedlik PhD Candidate Scholarship (2013-2014)