

Portrait

Personal data:

Name: Patrik Krizsán

Position / job title: technical assistant

Academic degree and year of acquisition: -

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Name of organizational unit, institute:

Institute of Environmental Sciences, Department of Irrigation and Land Improvement

Professional experience: *Previous jobs, positions, assignments important from a professional point of view:*

- In 2019, I participated in the implementation of the EFOP 3.6.1.-16-2016-00016 project, hydroculture sub-theme, propagating plant experiments, which took place in the greenhouse in Galambos in the form of tomato cultivation

Education, qualification: *Name of institution providing education/training, duration, qualification:*

- 2018-2021: Agricultural Engineering BSc, Specialization in Crop Production and Quality Assurance - Hungarian University of Agricultural and Life Sciences Institute of Environmental Sciences, Department of Irrigation and Land Improvement
- From 2023: Agricultural Water Management Engineering MSc - Hungarian University of Agricultural and Life Sciences Institute of Environmental Sciences, Department of Irrigation and Land Improvement

Area of research and activity:

- I carry out experiments related to nutrient supply and foliar fertilization of Genezis Nitrogénművek Zrt. (university wheat, rapeseed, sunflower, corn; large-scale wheat, sunflower, corn, soy) → conducting related investigations and yield measurements related to plant development
- Planning and conducting an experiment on the topic "The role of minimum-tillage cultivation technology in maintaining moisture in corn production and its effect on the development and yield of corn"
- Research on irrigation of various vegetable crops (research related to the application of different nutrient levels that can be achieved simultaneously by watering own-rooted and grafted watermelons, research related to different micro-irrigation options for vegetable plants, sweet corn seed number experiment)

Awards and recognitions:

- In November 2021, I participated in the Scientific Student Circle Conference (TDK) held in Szarvas, where I achieved 2nd place in the Agricultural Science 1st section with my project entitled "Investigation of different nutrient levels in self-rooted and grafted watermelon production", and this gave me the opportunity to participate in the 36th National Scientific Student Conference held in Kaposvár in April 2023 in the Horticulture B (herbaceous) section of the Agricultural Science section.

Doctoral training information: -

Publication data: *link to the publication list provided in MTMT*

<https://m2.mtmt.hu/frontend/#view/Publication/SmartQuery/1127/>

Taught subjects: -**Optional thesis topics:**

- The moisture retention role of minimum-tillage cultivation technology in corn production and its effect on corn development and yield
- The effect of different nutrient supply technologies and complementary foliar fertilization on the development, yield and content of wheat
- The effect of different nutrient supply technologies and complementary foliar fertilization on the development, yield and content of rapeseed
- The effect of different nutrient supply technologies and complementary foliar fertilization on the development, yield and content of corn
- The effect of different nutrient supply technologies and complementary foliar fertilization on the development, yield and content of sunflower