

## **Dr. Katalin Juhos, Ph.D.**

**Position:** senior lecturer

**Year of academic degree:** Ph.D. 2015

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**Institution/Department:** Agro-Environmental Studies

### **Professional experience:**

- 2008-2009: departmental engineer, Corvinus University of Budapest, Faculty of Horticultural Sciences, Department of Soil Science and Water Management
- 2009-2017: assistant professor, Corvinus University of Budapest, Faculty of Horticultural Sciences (from Jan. 1, 2016 Szent István University Faculty of Horticultural Sciences), Department of Soil Science and Water Management
- 2017- : senior lecturer, Szent István University Faculty of Horticultural Sciences, Department of Soil Science and Water Management (from Jan. 1, 2021, Institute of Environmental Sciences of the Hungarian University of Agriculture and Life Sciences, Department of Agro-Environmental Studies)

### **Education, qualification:**

- SZIE MKK, 2012-2014, Soil Science Specialist (postgraduate)
- TSF MVK, 2004-2009, Agricultural engineer in environmental management (BSc)
- DE TTK, 2003-2008, Geographer (MSc)

### **Research topic:**

- Land evaluation, the relationship between soil quality and fertility (multivariate statistical methods)
- Methodological development of nutrient management (soil tests, dose calculation)

### **Honors and recognitions:**

- Mária Antónia Krámer Award, SZIE Faculty of Horticultural Sciences (2019)
- Dean's Certificate of Commendation, BCE Faculty of Horticultural Sciences (2014)

**Doctoral education:** [Doktori.hu](https://doktori.hu)

([https://doktori.hu/index.php?menuid=192&lang=HU&sz\\_ID=30910](https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=30910))

**Publications:** [MTMT](https://m2.mtmt.hu)

(<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10033765>)

**Taught subjects:**

- Horticultural engineering and Viticultural engineering BSc program:  
Agrometeorology and water management (lecture, practice, field practice), Soil science and agrochemistry (lecture, practice, field practice), Soil science laboratory methods (subject supervisor)
- Horticulture engineering MSc program: Natural resources and nature conservation (lecture)
- Subject leader in the Biological Soil Management specialist postgraduate program:  
Basics of plant nutrition and nutrient management; Fertilizers of mineral origin; Horticultural growing media and isolated growing systems; Field survey I-II.
- Subject leader in the Landscape and Garden Architecture BSc program:  
Environmental Sciences
- Subject leader in the Soil Sciences Specialist postgraduate program: Land evaluation

**Optional thesis topics:**

- Use of cover crops in horticultural production
- The possibilities of nutrient management in organic farming (the role of mineral and organic substances, agrotechnics)
- The effect of tillage on soil physical and chemical parameters