

Dr. Balázs Madarász, Ph.D.

Position: associate professor

Year of academic degree: 2009

Tel.

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Szervezeti egység neve: Department of Agro-Environmental Studies

Professional experience:

- Geographical Institute, Research Centre for Astronomy and Earth Sciences, senior researcher, 2000–

Education, qualification:

- Eötvös Loránd University, 2000, Teacher of Geography (MSc)
- Eötvös Loránd University, 2009, Earth Sciences (PhD)

Research activity, area:

- Soil erosion
- Soil protection
- Conservation agriculture

Awards and recognitions:

- 2018–2021 Bolyai Research Scholarship of the Hungarian Academy of Sciences
- 2018–2021 New National Excellence Program of the Ministry of Human Capacities

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

(https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=10552)

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

(<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10013857&view=simpleList>)

Educated subjects:

- Conservation agriculture and soil protection
- Natural resources and nature conservation
- Soil protection and environmental management in conservation agriculture
- Soil science and agrochemistry
- Soil formation and soil mineralogy

Optional thesis topics:

- Effects of conservation tillage (no-till and/or minimum-till and/or regeneration-cover cropping, etc.) on soil organic matter accumulation and soil organic matter distribution. The role of cultivation in C sequestration (BSc, MSc)
- Effects of soil conservation tillage (no-till and/or minimum-till and/or soil regeneration cover cropping, organic gardening, etc.) on aggregate structure, structure, water stability and/or microbial community biomass and glomalin production (BSc, MSc)
- Impact of no-input technology on soils in an organic farm (BSc, MSc)