

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Gábor Szatmári
Place and date of birth: Szentes, 09/03/1988
Nationality: Hungarian
E-mail: szatmari@rissac.hu, szatmari.gabor@atk.hu
[ResearchGate](#), [Google Scholar](#), [ORCID](#)



EDUCATION

2017 PhD – Environmental sciences, University of Szeged
2011 MSc – Environmental sciences, University of Szeged
2009 BSc – Environmental sciences, University of Szeged

INTERNATIONAL COURSES

2022 Analysis and Visualization of Local and Regional Uncertainties in Geosciences, Pécs Regional Committee of the Hungarian Academy of Sciences, Pécs, Hungary
2019 Pedometrics 2019 Pre-conference Training Session, University of Guelph, Guelph, Canada
2017 GEOSTAT Summer School, Mediterranean Institute for Life Sciences, Split, Croatia
2017 Spatial Sampling for Mapping, Wageningen University & Research, Wageningen, the Netherlands
2016 Machine Learning Methods for Automated Soil Mapping, Aarhus University, Aarhus, Denmark
2016 ISRIC Spring School - Hands-on Global Soil Information Facilities, ISRIC – World Soil Information, Wageningen, the Netherlands

PROFESSIONAL EXPERIENCE

2020- *Senior research fellow*; Department of Soil Mapping and Environmental Informatics, Institute for Soil Sciences, Centre for Agricultural Research, Budapest
2018-2020 *Research fellow*; Department of Soil Mapping and Environmental Informatics, Institute for Soil Sciences, Centre for Agricultural Research, Budapest
2015-2018 *Junior research fellow*; Department of Soil Mapping and Environmental Informatics, Institute for Soil Sciences and Agricultural Chemistry, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest
2012-2015 *PhD student*; Department of Physical Geography and Geoinformatics, University of Szeged, Szeged
2021-2022 *Research fellow (part-time job)*; Department of Physical Geography and Geoinformatics, University of Debrecen, Debrecen
2020-2021 *Senior lecturer (part-time job)*; Department of Environmental Sustainability, Georgikon Campus, Hungarian University of Agriculture and Life Sciences, Keszthely
2018-2019 *Senior expert (part-time job)*; National Centre for Public Health, Budapest

AWARD, SCHOLARSHIP, RECOGNITION

2023 *ELKH Researchers' Mobility Programme 2023*. Eötvös Loránd Research Network
2023 *Frontiers Planet Prize – National Champion*. Frontiers Research Foundation
2023 *Youth Award of the Hungarian Academy of Sciences*. Hungarian Academy of Sciences
2022 *Kreybig Lajos Award*. Hungarian Soil Science Society
2022-2025 *János Bolyai Research Scholarship*. Hungarian Academy of Sciences
2021 *Junior Prima Prize*. Prima Prémium Foundation & Hungarian Development Bank
2021 *Bárány Róbert Award*. Eötvös Loránd Research Network
2020 *Szádeczky-Kardoss Elemér Award*. Hungarian Academy of Sciences (X. Section of Earth Sciences)
2019-2022 *MTA Premium Postdoctoral Scholarship*. Hungarian Academy of Sciences
2014 *Best Paper and Presentation Award*. VI. Croatian-Hungarian Geomathematical Congress, Opatija, Croatia

EXPERIENCE AS RESEARCHER

About ten years of research experience in digital soil mapping, pedometrics, geostatistics, environmental statistics, machine learning algorithms, spatial uncertainty modelling, uncertainty analysis, spatial modelling, model-based sampling optimization, point pattern analysis, environmental informatics and GIS.

EXPERIENCE AS LECTURER

Training courses: Geostatistics (2018, 2020, 2022, ESRI GDi Magyarország Kft.), *Environmental statistics* (2023, Lechner Tudásközpont, Távérzékelési Főosztály)

PhD courses: Geostatistical basis of environmental mapping (2023, University of Debrecen)

Courses: Applied soil science and Models for environmental planning (2013-2015, University of Szeged), *Spatial soil information systems* (2020, University of Pannonia), *Soil science and digital soil mapping* (2021, MATE), *Models in geoinformatics* (2022, University of Debrecen)

MEMBERSHIP

HAS Committee on Geology, Sub-committee on Geomathematics (president, 2023–)

HGS Section of Geomathematics and Informatics (president, 2023–)

HAS Committee on Geology, Sub-committee on Geomathematics

HAS Committee on Physical Geography, Sub-committee on Geoinformatics

HAS Committee on Physical Geography (member of the public body)

HGS Section of Geomathematics and Informatics

Hungarian Soil Science Society

International Union of Soil Sciences, Pedometrics Commission

European Geosciences Union

International Association for Mathematical Geosciences Student Chapter (2012-2015)