

PERSONAL INFORMATION

Agota HOREL

WORK EXPERIENCE

- 2013–Present **Senior research scientist**
Department of Soil Physics and Water Management, Institute for Soil Science, Centre for Agricultural Research, Budapest (Hungary)
- 2010–2013 **Postdoctoral Research Scientist**
Department of Biology, University of Alabama, Dauphin Island Sea Lab, Dauphin Island (USA)
- 2009–2010 **Postdoctoral Research Scientist**
Alaska Center for Energy and Power, University of Alaska Fairbanks, Fairbanks (United States)

EDUCATION

- 2006–2009 **PhD in Environmental Engineering**
University of Alaska Fairbanks, Department of Civil and Environmental Engineering, Fairbanks, AK (United States)
- 2010–2013 **BSc in Civil Engineering**
Szechenyi Istvan University, Department of Civil and Environmental Engineering, Győr (Hungary)

ADDITIONAL INFORMATION

- Editorial work**
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|----------------|---|
| 2019 – present | Assistant Editor - Soil Science Annual |
| 2023-2024 | Guest Editor - Springer Nature Applied Sciences |
| 2021-2023 | Topic Editor - Plants |
| 2020-2021 | Guest Editor - Sustainability |
- Memberships**
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|----------------|---|
| 2013 – present | Hungarian Soil Science Society member |
| 2015 – present | European Geosciences Union member |
| 2011 – 2013 | Society of Environmental Toxicology and Chemistry (SETAC) member |
| 2010 – 2013 | American Association for the Advancement of Science (AAAS) member |
| 2006 – 2010 | Science Advisory Committee member.
Prince William Sound Regional Citizen's Advisory Council, Fairbanks, AK |
- Awards, Fellowships**
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| 2023-2024 | KGYNK Scholarship |
| 2015-18 | Bolyai Janos Research Fellowship of the Hungarian Academy of Sciences |
| 2008-09 | Thesis Completion Fellowship; Fairbanks, AK |
| 2008 | Vincent S. Haneman, Jr., Professional Engineers Travel Scholarship; Fairbanks, AK |
| 2008 | Contaminant in Freezing Ground Scholarship Award; Fairlee, VT |
| 2006-08 | Inland Northwest Research Alliance (INRA) Fellowship; Fairbanks, AK, |
| 2008 | Inland Northwest Research Alliance Travel Grant; Graduate School Travel Grant; Fairbanks, AK |
| 2008 | Water and Environmental Research Center Travel Grant; Fairbanks, AK |
| 2006 | American Water Resources Association Graduate Scholarship; Fairbanks, AK |
- Recent projects (Selected)**
- 2020-2025. OPTAIN - OPTimal strategies to retAIN and re-use water and nutrients in small agricultural catchments across different soil-climatic regions in Europe. H2020. Participant
- 2019-2023. Impact of spatial allocation of soil water and soil organic carbon on greenhouse gas emission in a small catchment. OTKA/NKFIH – FK131792. Principal Investigator
- 2015-2019. The effects of biochar application on nitrogen cycling under different land use and soil management systems. NKFI – PD116157. Principal Investigator
- 2017-2021. Complex Assessment of soil moisture conditions in the Rákos Stream catchment. NKFI – FK124803. Participant
- 2013-2017. Data model fusion for studying the combined effects of different land use and climate change scenarios on water regime and soil erosion. NKFI – K101065. Participant
- Mother Language** Hungarian