

Curriculum Vitae

Personal Information

Name Evelin Pihlap
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Education

- 2016 – 2020 Dr.rer.nat. in Soil Science, Technical University of Munich, Germany
Thesis: Soil aggregate formation in soils derived from loess reclamation
- 2016 – 2020 PhD in Environmental Technology, University of Tartu, Estonia (joint degree agreement)
- 2013 – 2016 M.Sc. in Environmental Technology, University of Tartu, Estonia
Thesis: Spatial dynamics of dissolved organic carbon and humic substances in natural and drained peatlands
- 2014 – 2015 Environmental Management, Christian-Albrechts University of Kiel, Germany
- 2010 – 2013 B.Sc. in Environmental Technology, University of Tartu, Estonia
Thesis: Isolation and characterization of water dissolved organic compounds from samples of soil and compost

Experience

- Since June 2022 Postdoctoral Associate
Earth and Planetary Sciences, Yale University, USA
- Sept 2020 – June 2022 Chief Specialist
Soil Monitoring and Research Bureau, Agricultural Research Centre, Estonia
- Dec 2019 – Dec 2020 Project Manager
Estonian Green Movement, Estonia
- Oct 2016 – March 2020 Researcher
Soil Science, Technical University of Munich, Germany
- Feb – May 2016 Assistant in Soil Science
University of Tartu, Estonia
- Oct – Nov 2015 Fieldwork Instructor
Tartu Environmental Education Center, Estonia
- June 2013 – Sept 2014 Environmental Chemist
Institute of Chemistry, University of Tartu, Estonia

R&D related managerial and administrative experience

- since 2020 Member of the Estonian Soil Science Society
- since 2018 Member of the European Geosciences Union
- since 2017 Member of the German Soil Science Society
- Sept 2013 – Sept 2014 Member of the Environmental Technology Council at the University of Tartu
- 2007 – 2010 Member of the Environmental Society Scarabaeus

Participation at international conferences

- 2019 International Symposium on Soil Organic Matter, Adelaide, Australia
- 2018 – 2019 European Geosciences Union (EGU) General Assemblies, Vienna, Austria
- 2018 International Symposium: Soil organic matter management in agriculture- Assessing the potential of 4per1000 initiative, Braunschweig, Germany
- 2017 & 2019 Annual conference of the German Soil Science Society

International experiences and courses

- 2019 Visiting researcher at GHERG, Federation University Australia, Victoria, Australia
- 2019 Statistical modelling and regressions using R for soil scientists, University Kassel, Germany
- 2018 Argumentation in Scientific Writing, TU Munich, Germany
- 2018 International field workshop WRB soil classification in Romania
- 2017 International field workshop WRB soil classification in Latvia and Estonia

Language skills

- Estonian Native speaker
- English Advanced (C1)
- German Upper-intermediate (B2)
- Russian Elementary (A2)

List of peer-reviewed publications

First authorship:

Pihlap, E., Steffens, M., Kögel-Knabner, I. (2021) Initial soil aggregate formation and stabilisation in soils developed from calcareous loess. *Geoderma* 385, 114854. [10.1016/j.geoderma.2020.114854](https://doi.org/10.1016/j.geoderma.2020.114854)

Lucas, M.*, **Pihlap, E.***, Steffens, M., Vetterlein, D., Kögel-Knabner, I. (2020). Combination of Imaging Infrared Spectroscopy and X-ray Computed Microtomography for the Investigation of Bio- and

Physicochemical Processes in Structured Soils, *Frontiers in Environmental Science*, 8, 1–12. [10.3389/fenvs.2020.00042](https://doi.org/10.3389/fenvs.2020.00042)

*shared first authorship

Pihlap, E., Vuko, M., Lucas, M., Steffens, M., Schloter, M., Vetterlein, D., Enderich, M. Kögel-Knabner, I. (2019). Initial soil formation in an agriculturally reclaimed open-cast mining area - the role of management and loess parent material. *Soil and Tillage Research*, 191, 224–237. [10.1016/j.still.2019.03.023](https://doi.org/10.1016/j.still.2019.03.023)

Co-authorship:

Bucka, F.B., **Pihlap, E.**, Kaiser, J., Baumgartl, T., Kögel-Knabner, I. (2021) A small-scale test for rapid assessment of the soil development potential in post-mining soils. *Soil and Tillage Research*, 211, <https://doi.org/10.1016/j.still.2021.105016>

Oral presentations at international conferences

Pihlap, E., Lucas, M., Steffens, M., Vetterlein, D., Kögel-Knabner, I. (2019) 2D imaging spectroscopy and 3D X-ray CT high spatial resolution analysis – method combination for investigating potential interplay of SOM and soil structure development in intact soil samples. In 7th International Symposium on Soil Organic Matter 06.-11.10.2019, Adelaide, South Australia.

Pihlap, E., Lucas, M., Steffens, M., Vetterlein, D., Kögel-Knabner, I. (2019) Soil reclamation, organic matter accumulation and soil structural development - combining imaging spectroscopy with X-ray CT. In Jahrestagung der Deutschen Bodenkundlichen Gesellschaft (DBG) 24-29.08.2019, Bern, Switzerland.

Pihlap, E., Lucas, M., Steffens, M., Vetterlein, D., Kögel-Knabner, I. (2019) Imaging spectroscopy of intact soil samples - combining soil organic matter data with structural properties in intact soil samples. In European Geosciences Union (EGU) General Assembly 2019, 07.-12.04.2019, Vienna, Austria

Pihlap, E., Steffens, M. and Kögel-Knabner, I. (2017) Initial development of soil structure and soil organic matter in an agriculturally managed chronosequence on recultivated loess. In Jahrestagung der Deutschen Bodenkundlichen Gesellschaft (DBG) 02.-07.09.2017, Göttingen, Germany.