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University degrees

2010 PhD in Physical Geography, Department of Physical Geography and Quaternary Geology, Stockholm University (SU).

1992 BSc from the Biology-Earth Sciences programme, SU.

Current and previous positions

2011– Senior lecturer at the Department of Physical Geography, SU.

2005–2010 PhD student (part time ~75%), Department of Physical Geography and Quaternary Geology, SU.

1994–2004 Lecturer, Department of Physical Geography and Quaternary Geology, SU.

1991–1994 Teaching assistant (part time 50%), Department of Physical Geography, SU.

External funding and project involvement

Co-applicant (~60 000 SEK) in the project “Remobilization of mercury from degrading permafrost peatlands” funded by Formas (a Swedish Research Council for Sustainable Development). Principle investigator (PI) Ass. Prof. Sofi Jonsson, SU (2024–2026, 3 000 000 SEK).

PI for the project “Permafrost peatlands under climate warming pressure” funded by Göran Gustafssons Stiftelse för natur och miljö i Lappland (2023, 30 000 SEK) and by Albert and Maria Bergströms stiftelse (2024, 20 000 SEK).

Co-applicant and steering committee member in the project “PermaIntern” funded by UArctic. PI Ass. Prof. Ylva Sjöberg, University of Copenhagen (2022–2024, 500 000 DKK).

Co-applicant in the project “International collaborative experiences to track Arctic lake Systems (ICE TALKS)” funded by the U.S. National Science Foundation’s International Research Experience for Students (IRES) program. PI Prof. Julie Bryce, University of New Hampshire (2021–2024, 299 807 USD).

Co-applicant (~115 000 SEK) in the project “Methylation of mercury in thawing permafrost soils across the circumpolar North” funded by Formas. PI Ass. Prof. Sofi Jonsson, SU (2021–2023, 3 000 000 SEK).

PI for the project “Permafrost peatlands under climate warming pressure” funded by Arctic Avenue (spearhead research project between the University of Helsinki and Stockholm University) (2018–2023, 35 800 EURO).

Co-applicant, steering committee member (2018–2023) and chair (2018) of the project “Arctic Avenue” funded by the University of Helsinki and Stockholm University. PIs Prof. Atte Korhola, University of Helsinki, and Prof. Nina Kirchner, SU (2018–2023, 600 000 EURO).

Co-applicant (100 000 NOK) in the project “Permafrost landscapes in transformation – from local-scale processes to the global model NorESM (PERMANOR)” funded by the Research Council of Norway. PI Ass. Prof. Sebastian Westermann, University of Oslo (2016–2019, 3 500 000 NOK).

PI for the project “Thawing permafrost in subarctic peat plateaus – impacts of climate change” funded by Formas (2015–2019, 3 410 000 SEK).

Other selected research activities

International Scientific Committee member of the 12th International Conference on Permafrost in Whitehorse, Canada (2024), and the 5th European Conference on Permafrost in Chamonix, France (2018).

Research proposal evaluation for *Deutsche Forschungsgemeinschaft* (DFG, German Research Foundation) (2021), and for the U.S. National Science Foundation (NSF) (2009).

Invited guest researcher at Kobe University, Japan (2019).

Local Organizing Committee member of the 1st Southern hemisphere Conference on Permafrost in Queenstown, New Zealand, in 2019 (2017–2019).

External examiner (opponent) at a PhD defence at the University of Copenhagen, Denmark (2018), and examination committee member at two PhD defences at Stockholm University (2016 and 2014).

Co-lead of the “Permafrost Carbon Network (PCN)” Working Group on Thermokarst and Thermal Erosion (2011–2017), initially funded by NSF.

Awards and nominations

Nominated as a candidate to the Executive Committee of the International Permafrost Association (2016).

Research Grand Prix, 1st place in the Stockholm Regional Final, and 4th place in the Swedish National Final (2012).

The Bolin Centre for Climate Research Poster Award for most Pedagogical and Appealing Presentation (2011), and the PYRN–IPA (International Permafrost Association) Award for Outstanding International Poster Presentation (2010).

Selected presentations at international conferences (first author)

6th European Conference on Permafrost, Puigcerdá (2023) – poster, and workshop organizer.

EGU General Assembly, Vienna/online (2020) – invited speaker.

1st Southern Hemisphere Conference on Permafrost, Queenstown (2019) – local organizing committee member, session organizer and oral presentation.

Mires and Wetlands of the North Calotte, Vadsø (2019) – invited speaker.

5th European Conference on Permafrost, Chamonix (2018) – international scientific committee member, session organizer and poster.

AGU Fall Meeting, New Orleans (2017) – oral presentation.

Globalizing polar issues: High altitudes meet high latitudes, Crans-Montana (2017) – invited speaker.

11th International Conference on Permafrost, Potsdam (2016) – poster.

AGU Fall Meeting, San Francisco (2014) – poster.

4th European Conference on Permafrost, Evora (2014) – poster.

AGU Fall Meeting, San Francisco (2011) – invited speaker.

18th INQUA-Congress, Bern (2011) – session organizer and oral presentation.

Monitoring of Palsa Mires, Sigtuna (2010) – invited speaker.

3rd European Conference on Permafrost, Longyearbyen (2010) – oral presentation and poster.

Peatlands in the Global Carbon Cycle, Prague (2009) – poster.

9th International Conference on Permafrost, Fairbanks (2008) – 2 posters.

Supervision and teaching

PhD supervision of one ongoing project (2018–), and co-supervision of three completed PhD theses (2011–2022).

Supervision of 17 completed MSc theses (2011–), and ~45 completed BSc theses (1994–).

Coordinator of the Master's Programme in Polar Landscapes and Quaternary Climate, including program development and organisation (2020–2023).

Bachelor level courses in Geography, Biology-Earth Sciences, Geosciences and Environmental Sciences: 2-3 courses/year (2011–), 3-4 courses/year (1991–2004).

Master level courses (Quaternary climate and environmental reconstructions, Polar and alpine environments, Natural archives for reconstruction of climate and environmental change, Glaciers and permafrost, Permafrost: Interactions with ecosystems and hydrology, Environmental impact assessment): 2-3 courses/year (2011–), 1 course/year (1999–2004).

Within the bachelor's and master's level courses above I have led >30 field courses: 2 excursions to Portugal (1993–1994), 1 excursion to Portugal and Morocco (1994), 12 excursions to New Zealand (1996–2015), 1 excursion to Estonia (1998), 1 excursion to Dalarna (2002), 9 excursions to northern Sweden (2011–), 6 excursions to northern Fennoscandia (2011–) and 1 excursion to Spain (2022).

Examination of two courses at the University Centre in Svalbard, UNIS (2017).

Outreach activities

Multiple interviews in media (TV, radio and newspapers) about my research, e.g. *Vetenskapens värld* (SVT), *Rapport* (SVT), *Aktuellt* (SVT), *Morgonstudion* (SVT), *Nyhetsmorgon* (TV4), *Utbildningsradion* (UR), *Vetenskapsradion*, *Naturmorgon i P1*, *Nordegren & Epstein i P1*, *Dagens Nyheter*, *Sveriges Natur*, *Forskning och Framsteg* and *MiljöAktuellt* and (2008–).

Presentation of my research at the Senior University in Stockholm (2021, 2017 and 2016), for her Royal Highness of Sweden Crown Princess Victoria at SU (2013), the general public at The Observatory Museum in Stockholm (2013), the Regional Research Grand Prix Final in Södertälje and at the National Research Grand Prix Final in Stockholm (2012), for high school students visiting SU at the Climate Festival (2019) and at the Research Days (2010), and for the Swedish Minister of Education during visits to SU (2010 and 2009).