

CURRICULUM VITAE for LOUIS JOHANSEN SKOVSHOLT

Personal details:

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Topics of Interest:

Biology of flora and fauna in freshwater and brackish/near-coastal ecosystems. Ecosystem dynamics and functions in aquatic environments. Geographical Information Software and modelling.

Education:

- 2023-2025: Postdoctoral fellow at Aarhus University, Section for Aquatic Biology. "Trade-offs in ecosystem services following rewetting of degraded wetland areas".
- 2019-2024: PhD candidate at University of Waikato and NIWA, Hamilton. Title: "Eutrophication effect on stream macrophytes".
- 2017-2018: Master thesis at Department of Bioscience Aarhus University (Tenna Riis, Section of aquatic biology). Title: "Nutrient dynamics in High Arctic streams under a changing climate".
- 2016-2018: Cand. scient in Biology (MSc), Aarhus University.
- 2013-2016: Bach. scient in Biology (BSc), Aarhus University.

Peer review publications:

- ψ Skovsholt, L. J., Riis, T., Matheson, F., & Hawes, I. Growth Response to Nitrate Enrichment Helps Facilitate Success of an Alien Potamogeton in New Zealand Streams (2023). *Heliyon*, Volume 9, Issue 4, e15528, ISSN 2405-8440, <https://doi.org/10.1016/j.heliyon.2023.e15528>.
- ψ Skovsholt, L. J., Pastor, A., Docherty, C. L., Milner, A. M., & Riis, T. (2020). Changes in hydrology affects stream nutrient uptake and primary production in a high-Arctic stream. *Biogeochemistry*, 151(2-3), 187-201.
- ψ Pastor, A., Skovsholt, L. J., Christoffersen, K. S., Wu, N., & Riis, T. (2021). Geomorphology and vegetation drive hydrochemistry changes in two Northeast Greenland streams. *Hydrological Processes*, 35(10), e14369.
- ψ Pastor, A., Wu, N., Skovsholt, L. J., & Riis, T. (2020). Biofilm growth in two streams draining mountainous permafrost catchments in NE Greenland. *Journal of Geophysical Research: Biogeosciences*, 125(3), e2019JG005557.
- ψ Pastor, A., Poblador, S., Skovsholt, L. J., & Riis, T. (2020). Microbial carbon and nitrogen processes in high-Arctic riparian soils. *Permafrost and Periglacial Processes*, 31(1), 223-236.
- ψ Pastor, A., Freixa, A., Skovsholt, L. J., Wu, N., Romaní, A. M., & Riis, T. (2019). Microbial organic matter utilization in high-arctic streams: key enzymatic controls. *Microbial ecology*, 78, 539-554.

Conference presentations:

- ψ Skovsholt L., Riis T., Matheson F., Hawes I. - Difference in growth responses of invasive and native aquatic plants from nitrogen and light variability. RIVERS + NZFSS 2020, Invercargill, New Zealand
- ψ Skovsholt L., Riis T., Matheson F., Hawes I. – Eutrophication effects on stream macrophytes. University of Waikato postgraduate conference 2021, Online, New Zealand
- ψ Skovsholt L., Riis T., Matheson F., Hawes I. - Growth and trait responses of *Potamogeton crispus* and *P. ochreatus* to variations in nitrogen and shade. INTECOL 2021, Online, New Zealand
- ψ Skovsholt L., Riis T., Matheson F., Hawes I. - Effekt af næring og lystilgængelighed på vækstrespons hos en hjemmehørende og en invasiv vandaksart i New Zealand. Ferskvandssymposiet 2023, Vingsted, Denmark
- ψ Skovsholt L., Riis T., Matheson F., Hawes I. - Land use shapes aquatic macrophyte communities in unshaded slow flowing lowland streams by stressor specific responses. Danish OIKOS Meeting 2023, University of Southern Denmark, Odense, Denmark
- ψ Louis Johansen Skovsholt Brian Sorrell, Tom Heuts, Agata Klimkowska, Mateusz Grygoruk, Claudia Nielsen, Christian Fritz. Summarizing ecosystem service trade-offs in wetland restoration: aiding policy makers solve management dilemmas. Power to the Peatlands – European peatland conference 2023. University of Antwerp, Belgium.
- ψ Skovsholt L., Riis T., Matheson F., Hawes I. - Riverine plant community changes on a gradient of land use in lowland New Zealand streams. IAGP 16th International symposium on Aquatic Plants. 2023. University of Antwerp, Belgium.