

CURRICULUM VITAE for TENNA RIIS
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Web of Science (Publons): <https://publons.com/researcher/3394090/tenna-riis/>

Google: <https://scholar.google.dk/citations?user=tQaXNP4AAAAJ&hl=da>



RESEARCH INTERESTS

Aquatic plant ecology; Nutrient dynamics and ecosystem metabolism in streams; Interaction between aquatic plants and nutrient dynamics in freshwater; Factors controlling vegetation abundance and species composition in freshwater; Freshwater biodiversity; Stream biofilm structure and function; Interaction between streams and riparian areas; Ecosystem studies in Arctic freshwaters; Dispersal and colonization of aquatic plants.

QUALIFICATIONS

2000 Ph.D. in Freshwater Ecology, University of Copenhagen

1996 Cand. scient in Biology (MSc), University of Copenhagen

CURRENT AND PREVIOUS ACADEMIC POSITIONS

2020-present Professor, Dept. of Biology, Aarhus University

2009-2020 Associate Professor, Dept. of Biology, Aarhus University

2006-2009 Research Associate Professor (Skou-grant), Dept. of Biological Sciences, Aarhus University

2003-2006 Research Assistant Professor (Steno-grant), Dept. of Biological Sciences, Aarhus University

2001-2003 Research scientist, National Institute of Water and Atmospheric Research, New Zealand

2000 Post Doc. fellow, National Institute of Water and Atmospheric Research, New Zealand.

Maternal leave: 19 months in the period 1/1 2003 – 1/3 2006 (Jan-March 03; Dec 03 – June 04; Aug 05- March 06)

SCIENCE GRANTS AWARDED 2018-2021– led by TR as PI or Co-PI

In total 31 grants with 24 as PI and 7 as coPI, and a total amount of 24 mio Dkr.

- 2021-2024 RockNrole; Deciphering the role of rocks as nitrogen source for biological cycling in Arctic freshwaters. Dkr 2.2 mio. NOVA Aarhus University Research Foundation. PI
- 2021-2026 EU-Horizon: NICE: innovative and enhanced nature-based solutions for sustainable urban water cycle. 181.000EUR of total 417.000 EUR. coPI
- 2021-2026 EU-LIFE Nature and Biodiversity project application: BioScape. 2.976.084 EUR. co-PI
- 2020-2023 Permafrost thawing in high-Arctic causing increased organic carbon and dissolved nitrogen export to sea. Dkr 450.000. Carlsberg Foundation. PI.
- 2020-2023 Back to the future on Narsaq and Qaqortoq peninsula. Dkr 950.000. Carlsberg Foundation. Co-PI (PI is K.S. Christoffersen, KU)
- 2020-2021 Importance of alkalinity on benthic algae communities. Dkr. 650.000. Danish Environmental Protection Agency. Co-PI. (PI is A. Baattrup-Pedersen, Dept. of Bioscience, AU).
- 2020-2021 Optimizing stream restoration for nitrogen removal: Cost-effect analyses of stream restoration methods. Dkr 110.000. Water Technology Center, Aarhus University (WATEC). PI.
- 2019-2021 Streams providing clean water to coastal area: How do we optimize natural water purification in streams? Dkr 1.500.000. VELUX foundation. PI.
- 2018-2019 Effects of permafrost thaw on microbial organic matter utilization in Arctic streams. Dkr. 100.000. Danish Agency for Science and Higher Education. PI.
- 2018-2019 Arctic ecosystems and climate change: quantifying hydrochemical changes in streams along a gradient from low to high glacial runoff. Dkr. 300.000. Carlsberg Foundation. PI.
- 2018-2019 Sabbatical grant. 145.000 kr. Aarhus University Research Foundation (AUFF) PI.
- 2017-2020 Knowledge conversion for enhancing management of European riparian ecosystems and services. Co-PI (PI is S. DuFour, University of Rennes, France). Work-package co-leader and National member of Management Committee. EU COST program.
- 2017-2020 Restoration of biodiversity in streams: strategy and methodology. Dkr 2.400.000. Aage V. Jensens Nature Foundation. Co-PI. (PI is A. Baattrup-Pedersen, Dept. of Bioscience, AU).
- 2017-2018 Sabbatical grant. 140.000 kr. Aarhus University Research Foundation (AUFF) PI.

2017-2018 Arctic ecosystems and climate change: longitudinal patterns in nutrient uptake and biodiversity in streams
Dkr. 300.000. Carlsberg Foundation. PI.

RESEARCH PUBLICATION TRACK RECORD

123 peer-reviewed papers published/accepted in international scientific journals from 1997-2021 in collaboration with >180 different researchers from 22 different countries. Currently 9 additional manuscripts in review. I am first author on 30 papers and senior/last author on 52 papers. 7 book chapters; 42 pop. sci. pubs; >110 conference presentations. *Google Scholar*: H-index=36; i10-index=90, citations=4630.

TEACHING AND SUPERVISION CREDENTIALS

2003- Teaching >20 ECTS per year. Great experience in course development and course leader.
PhD courses: 'Nitrogen dynamics in streams'. *Master courses*: 'Stream Ecology'; 'Freshwater Ecology'; 'Experimental Aquatic Ecology'. 'Arctic Winter Limnology'
2005-2021 65 MSc students
2005-2021 >60 BSc students/project students

PEER REVIEW COMMITMENTS

2019- Member of the evaluation panel for the Independent Research Fund Denmark (DFF-FNU).
2017-2019 Chair of the evaluation panel (Water – from source to sea) for the grant giving research council FORMAS, The Swedish Research Council for Environment Agricultural Sciences and Spatial Planning.
2018 Peer-reviewer for 2017 Water JPI Joint Call. The French National Research Agency.
2014 -2016 Member of the evaluation panel for the grant giving research council FORMAS, The Swedish Research Council for Environment Agricultural Sciences and Spatial Planning.
1999 - Journal referee service for e.g. *Methods in Ecology and Evolution*, *Ecological Applications*, *Journal of Ecology*, *Ecosystems*, *Freshwater Biology*, *Journal of Applied Ecology*, *STOTEN*, *Freshwater Science*
2015-2017 Proposal reviewer for Minnesota Sea Grant foundation, USA
2014 Center Proposal reviewer; Centers of Research Excellence (CoREs) Fund, New Zealand Gov., NZ
2021- *I have served as evaluation committee member for academic positions on other Universities*. Danish Technical University; May 2021.
2008 - *I have served 16 times as PhD examiner on 10 different universities: Xi'an Jiaotong-Liverpool University, China; University of Copenhagen, Denmark (x2); University of Canterbury, New Zealand; Oulu University, Finland (primary opponent); Umeå University, Sweden (x3, primary opponent); Sweden University of Agricultural Science (SLU; x2, primary opponent), Uppsala, Sweden; University of Barcelona, Spain (x2); University of the Basque Country, Bilbao, Spain; Griffith University, Australia; University of Adelaide, Australia.*