

## CV - PROFESSOR TENNA RIIS

**Department of Biology, Arctic Research Center, Aarhus University,**

Ole Worms Allé 1, 8000 Aarhus C, Denmark.

Phone: +45 6020 2641, Email: [tenna.riis@bio.au.dk](mailto:tenna.riis@bio.au.dk).

Web: <http://person.au.dk/tenna.riis@biology>

**Orcid ID 0000-0003-2501-4444:** <https://orcid.org/0000-0003-2501-4444>

**Web of Science (Publons):** <https://publons.com/researcher/3394090/tenna-riis/>

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

## QUALIFICATIONS

1998-2000 Ph.D. in Freshwater Ecology, Dept. of Biology, University of Copenhagen. 15<sup>th</sup> March 2000.

1992-1996 Cand. scient in Biology (MSc), Dept. of Biology, University of Copenhagen

## CURRENT AND PREVIOUS ACADEMIC POSITIONS

2020- Professor, Dept. of Biology, Aarhus University

2006-2020 Associate Professor, Dept. of Biology, Aarhus University

2003-2006 Assistant Professor, Dept. of Biology, 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.

## RESEARCH FOCUS

- Arctic stream ecology under a changing climate
- The role of macrophytes and biofilm on nitrogen and carbon cycling in streams and riparian wetlands
- Ecological and biogeochemical linkages across terrestrial and freshwater connectivity
- Freshwater ecosystem function across temporal and spatial scales from habitat to catchment
- Conservation and restoration of freshwater biodiversity

## FELLOWSHIPS AND AWARDS

2006 – 2009 *Skou fellowship*, Research Leader award. Danish National Research Foundation (650,000 €)

2003– 2006 *Steno fellowship*, Young Investigator Award, Danish National Research Foundation (700,000 €)

## RESEARCH PUBLICATION TRACK RECORD

**148** peer-reviewed papers published in international scientific journals from 1997-2024 in collaboration with >195 different researchers from 22 different countries. **First author on 18% and senior/last author on 42%** of the papers. **In the past 5 years (2020-2024):** 50 papers; 32 papers as first or senior author.

In addition, I have published 8 book chapters, 50 popular scientific papers, and 122 conference contributions.

**H-index: 43, 6600 citations** (Google Scholar); My PhD year is 2003 (adjusted for 19 mths maternal leave 2003-2006).

## SCIENCE GRANTS AWARDED 2018-2020 – led by TR as PI or Co-PI

2025-2031 Center for Ice-Free Arctic Research (CIFAR). Danish National Research Foundation. 8 mio €. Co-PI

2024-2030 Environmental impacts of wetland restoration in Western Zealand. Novo Foundation. 4 mio €. Co-PI

2024-2026 Greening and permafrost thaw in high-Arctic controlling future nutrient export to sea. Carlsberg Foundation. 113.000 €. PI.

- 2023-2027 Nature and biodiversity restoration of streams Holme Å. AageVJensens Nature Foundation. 100.000 €. PI
- 2022-2026 *SMILES*. National member of Management Committee. Action Main Proposer. EU COST program. MC-medlem for COST aktionen CA21158. Co-PI
- 2021-2024 RockNrole; Deciphering the role of rocks as nitrogen source for biological cycling in Arctic freshwaters. 300.000 €. NOVA, Aarhus University Research Foundation. PI
- 2021-2026 EU-Horizon: NICE: innovative and enhanced nature-based solutions for sustainable urban water cycle. 181.000 €. coPI
- 2021-2026 EU-LIFE Nature and Biodiversity project application: BioScape. 3 mio €. co-PI
- 2020-2024 Permafrost thawing in high-Arctic causing increased organic carbon and dissolved nitrogen export to sea. 60.000 €. Carlsberg Foundation. PI.
- 2020-2023 Back to the future on Narsaq and Qaqortoq peninsula. 130.000 €. Carlsberg Foundation. Co-PI
- 2020-2021 Importance of alkalinity on benthic algae communities. 90.000 €. Danish Environmental Protection Agency. Co-PI.
- 2020-2021 Optimizing stream restoration for nitrogen removal: Cost-effect analyses of stream restoration methods. 15.000 €. 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.

#### **MANAGEMENT EXPERIENCE**

- In the past 5 years I have acted as manager on 17 grant projects. In total since 2003 I have been awarded 37 grants (national and EU); 26 as PI and 8 as coPI, and a total of 19.2 mio €.
- Section Head of the Aquatic Biology Section (2017- present) – a group of 10 VIPs, 6 TAPs and >40 Post Docs, PhD, MSc students.
- Work package leader (WP: Land-Limnic Ecosystems) for the Arctic Research Center, at Department of Biology, AU ([www.arctic.au.dk](http://www.arctic.au.dk))

#### **OTHER RECENT ACADEMIC SERVICES**

2019-2024: Member of the evaluation panel for the Independent Research Fund Denmark (DRF-FNU)

2022 - 2023: Chair of the evaluation panel” Securing water supply” for the grant council FORMAS, Sweden. Chair of evaluation panel (Water – from source to sea) grant council FORMAS, Sweden. 2017-19.

Served 21 times as PhD examiner on 11 different universities (e.g. DK, Sweden, Spain, Finland).

#### **TEACHING AND SUPERVISION CREDENTIALS**

Since 2005, I have supervised >85 MSc, 11 PhD students (currently 2), 10 Post Docs (currently 3).

I teach >30 ECTS per year at AU (Aquatic Ecology; Freshwater Ecosystems; Catchment to coast in Arctic).