

CURRICULUM VITAE for TENNA RIIS
Updated 20/10 2019

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RESEARCH INTERESTS

Nutrient dynamics and ecosystem metabolism in streams; Factors controlling vegetation abundance and species composition in freshwater ecosystems; Stream Biofilm structure and function; Interaction between streams and riparian areas; Ecosystem studies in Arctic freshwaters; Dispersal and colonisation of aquatic plants.

QUALIFICATIONS

2000 Ph.D. in Biology (Freshwater Ecology). University of Copenhagen
1996 Cand. scient in Biology (MSc), University of Copenhagen
1991 Bachelor in Biology (BSc), University of Copenhagen

CURRENT AND PREVIOUS ACADEMIC POSITIONS

2009-present Associate Professor, Dept. of Bioscience, 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: 86 weeks in the period 1/1 2003 – 1/3 2006 (Jan-March 03; Dec 03 – June 04; Aug 05- March 06)

SCIENCE GRANTS AWARDED – led by TR as PI or Co-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, 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.
2017-2018 Sabbatical grant. 140.000 kr. Aarhus University Research Foundation (AUFF) PI.
2017-2020 Knowledge conversion for enhancing management of European riparian ecosystems and services. Co-PI and National member of Management Committee. EU COST program
2017-2018 Arctic ecosystems and climate change: longitudinal patterns in nutrient uptake and biodiversity in streams Dkr. 300.000. Carlsberg Foundation. PI.
2016-2017 Linking benthic algae community composition to stream hydrological regime and ecosystem functions. Dkr 92.072. AIAS, Aarhus University. Co-PI.
2016-2019 Villum-Kann Post Doc blokstipendium. 1.100.000 kr. Villum Foundation. PI.
2015-2016 Sabbatical grant. 155.000 kr. Aarhus University Research Foundation (AUFF) PI.
2015-2019 PLANTNAT – plant production of natural values. 1.100.000 Dkr. (total 6.4 mio kr) GUDP, Ministry of Environment and Food. Co-PI.
2013-2015 Nitrogen and phosphorus retention in big rivers. Dkr. 200.000. Carlsberg Foundation. PI.
2014-2015 Nutrient dynamics in Arctic streams. Dkr. 98.000. Arctic Center, Aarhus University. PI.
2013-2014 Visiting scientist grant for Prof. Jennifer Tank, Notre Dame University, USA. Dkr. 131.000. AUFF. PI.
2012-2014 Seasonal differences in nitrogen and phosphorus retention in lowland streams. Dkr. 350.000. Carlsberg Found PI.
2011-2013 Biodiversity and ecological function in streams. Dkr. 250.000. Carlsberg Foundation. PI.
2010-2012 Effects of herbicides in wet terrestrial ecosystems: photosynthesis and respiration in mosses. Dkr. 121.366. Environmental Protection Agency, Danish ministry of the environment. Co-PI.
2010-2014 The ecological function of mosses in high-arctic Greenland lakes. Dkr. 341.600. Villum Foundation. PI.
2010-2014 Ecosystem metabolism and nutrient spiralling in macrophyte-rich streams. Dkr. 5.694.000. The Danish Natural Science Research Council. PI.

- 2009 Visiting scientist grant: Ecology of invasive plants. Danish Natural Science Res. Coun.Dkr. 134.000. PI.
2007–2009 Seed dispersal in stream ecosystems. Dkr. 400.000. University of Aarhus Science Foundation. PI.
2005-2007 The influence of low flow on stream ecology. Dkr. 150.000. Carlsberg. PI.
2002-2007 Dispersal and colonization of stream plants. Dkr. 1.969.000. Danish Natural Science Res Council. PI.

RESEARCH PUBLICATION TRACK RECORD

102 publications in peer-reviewed journals (51 since 2014); 29 first author; 42 senior/last author; 7 book chapters; 42 popular scientific pubs; 95 conference pres. Google Scholar: h-index=32; i10-index=62, citations=3265. PhD age: 2003 (adjusted for 19 months maternal leave 2003-2006)

TEACHING AND SUPERVISION CREDENTIALS

- 2003- Teaching >20 ECTS per year. Large 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’
Supervision: Ph.D. students supervised: 7 PhD-students.
2011- Post doc mentoring: Carla Lambertini (2011); Peter Levi (2012-2014); Naicheng Wu (2016-2019); Anette Alnoe (2016-2017), Ada Pator Oliveras (2017-2019), Paraskevi Manolaki (2017-2020), Pau Gimenez (2018-2020)
2005- >60 MSc students
2010- >39 BSc students

PEER REVIEW COMMITMENTS

- 2019- Member of the evaluation panel for the Independent Research Fund Denmark (FNU).
2018 Peer-reviewer for 2017 Water JPI Joint Call. The French National Research Agency.
2017- 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.
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, Journal of 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

INTERNATIONAL RELATIONSHIPS AND POSITIONS OF TRUST

- 2020 Lead organizer of the 15th International Symposium on Aquatic Plants, Aarhus, Denmark
2019 Member of organizing committee for 8th Int.WETPOL symposium, Aarhus, Denmark.
2018 Research visit at NIWA, New Zealand (Dr. C. Kilroy, Dr. Fleur Matheson); 3 months.
2018 Session organizer and session co-chair; Int. Society of Limnology SIL, Nanjing, China.
2018 Session organizer; The 15th Int. Symposium on Aquatic Plants, Queenstown, New Zealand
2018 Member of the organizing committee for Society of Wetland Annual Meeting SWS Aarhus University
2017-2020 Work package co-leader in CONVERGES EU project; EU COST program
2016 Research visit at Prof. Jennifer Tank, University of Notre Dame, Indiana, USA; 3 months.
2015 Research visit at Dr Eugènia Martí, Centre d'Estudis Avançats de Blanes, Spain; 6 weeks.
2014 - Member of the editorial board for journal Scientific Reports, Nature group.
2014- Member of the steering group for NSF Research Coordinated Network project “Resistance and resiliency of streams to nutrient enrichment and biodiversity losses” lead by Prof. Jones, Prof. Whiles.
2008 - *PhD examiner:* University of Copenhagen, University of Canterbury, Oulu University, Finland (opponent), Umeå University, Sweden (x2, opponent); Sweden University of Agricultural Science (SLU; x2, opponent), Uppsala, Sweden; University of Barcelona, Spain (x2); University of the Basque Country, Bilbao, Spain; Griffith University, Australia; University of Adelaide, Australia.
2006- Founder of the Danish Freshwater Symposium and member of the organizing committee (bi-annual; average 170 participants)
2003 - Member of the editorial board for scientific journal Aquatic Botany, Elsevier.
2014 Session organizer and session chair; Society of Freshwater Science Annual Meeting, Portland OR, USA
2013 Prof. Jennifer Tank, University of Notre Dame, Indiana, USA, visiting me 2 mths.
2012 Visiting Dr Eugènia Martí, Centre d'Estudis Avançats de Blanes, Spain; 4 weeks
2011 Member of the scientific committee for International Association of Vegetation Science, Lyon.
2010 Prof. Walter K. Dodds, Kansas State University, visiting me 3 weeks.
2009 Research visit at Dr. John Clayton, Nat. Inst. of Water and Atmospheric Research, NZ; 5 mths
2009 Research visit at Prof. Walter K. Dodds, Kansas State University, USA; 4 weeks
2007 Research scientist Dr. Alastair Suren, visiting me 2 mths

DEPARTMENTAL ADMINISTRATIVE COMMITMENTS

- 2017- Head of section Aquatic Biology, Department of Bioscience, Aarhus University
- 2016- Coordinator of the Aquatic Biology teaching program at Department of Bioscience, Aarhus University
- 2016- Mentor in AU's mentor program Empower Talent. Career development of younger colleagues.
- 2014- Member of the Applied Research Committee at Department of Bioscience, Aarhus University
- 2012- Member of several evaluation committees for Post Doc positions at the department
- 2010...2019- Member of the Scientific Committee at Department of Bioscience, Aarhus University,
- 2011 Participant in Research Leader Course. Organized by Aarhus University and Learn2Lead.