Updated June 2021

CURRICULUM VITAE ANNETTE BAATTRUP-PEDERSEN

Born 1965 in Denmark; five children
Senior scientist
Department of Bioscience, Aarhus University
Vejlsøvej 25, 8600 Silkeborg, Denmark
Email: abp@bios.au.dk; mobile +452322 7100
Aarhus University: http://pure.au.dk/portal/da/abp@bios.au.dk
ORCID iD: https://orcid.org/0000-0002-3118-344X

SCIENTIFIC EXPERTISE

- Extensive research experience in freshwater ecology, in particular stream ecosystems, habitats and species, including processes supporting biodiversity. Furthermore profound knowledge on how various impacts e.g. eutrophication and hydro-morphological degradation affect the biological communities and of restorative interventions that can be undertaken to support the development of diverse communities.
- Research-based advisory activities for the Ministry of Environment of Denmark, primarily related to the implementation of the Water Framework Directive, The Habitats Directive and the Biodiversity Strategy. For instance, the development of the legally adopted Danish assessment system to evaluate ecological status of streams from plant species assemblages (DVPI). Summary published in Methods in Ecology and Evolution (IF 6.51): https://besjournals.onlinelibrary.wiley.com/doi/full/10.1111/2041-210X.12676
- Knowledge on EU Directives and Actions plans for the climate and environment including the European Green Deal and the current implementation of EU Directives into Danish legislation. Has participated in several FP7 and Horizon 2020 projects – detailed below.

EDUCATION

1996:	PhD in Freshwater Ecology. Aarhus University, Denmark (Title: Nitrogen use efficiency in aquatic plants). PhD age 2003 (adjusted for 42 months' maternity leave)
1993:	Cand.scient. (MSc) in Biology. Aarhus University, Denmark
1990:	Bachelor (BSc) in Biology, Aarhus University, Denmark

POSITIONS

2012 –	Senior scientist, Department of Bioscience, Aarhus University, Denmark
2004-2011	Senior scientist, Department of Freshwater Ecology, National Environmental Research Institute, Aarhus University, Denmark
1996-2004	Scientist, Department of Freshwater Ecology, National Environmental Research Institute, Denmark

MATERNAL LEAVE

1998-2009	42 months (1998.08.08-1999.04.01; 2000.01.25-2000.09.01; 2002.02.01-2002.09.01; 2005.06.27-2006.02.01; 2008.11.25-2009.01.09)

RESEARCH and ADVISORY

114 publications in peer-reviewed journals: 28 first author; 22 senior author; 6 book chapters; >100 popular scientific papers and reports.
WoS: h-index 31, citations: 2,479; Google Scholar: h-index 34, citations: 3,865

HEADING RESEARCH AND PROJECT MANAGEMENT

Extensive experience in project management of national and international research projects. Since 2008 continuously involved in projects funded by national sources – AVJ Naturfond, FNU, Innovationsfonden (as PI for separate WPs in BufferTech and Monitech), the Danish Environmental Protection Agency and the Danish Nature Agency, and international sources – EU FP7 and Horizon 2020 (with coordinating and leading roles in three large inter-disciplinary projects with the following acronyms: REFRESH, REFORM, MARS).

SELECTED RECENT AND ONGOING PROJECTS

2021-2024 EU Green Deal under the topic Biodiversity and Ecosystem services: MERLIN - Mainstreaming Ecological Restoration of freshwater-related ecosystems in a Landscape context: Innovation, upscaling and transformation. DKK 159,000,000. Under contract negotiation. WP3 lead.

2021-2022 S-ITUATION - Implementation of Nature Base Solutions in Nordic countries. DKK 2,483,237. Funded by Nordisk Ministerråd. Co-investigator.

2020-2021 Alkalinity and the benthic algae community in Danish streams. DKK 511,630. Funded by the Danish Nature Agency. Project lead.

2019-2022 Evidence-based and cost-effective management of small Danish streams. DKK 5,325,000. Funded by Promilleafgiftsfonden. Project lead.

2019-2021 Streams providing clean water to coastal area: How do we optimize natural water purification in streams? DKK 1,500,000. Co-investigator.

2018-2020 Validating and intercalibrating DNA metabarcoding for routine use in Fenno-Scandinavian freshwater invertebrate biomonitoring: SCAN-DNANET. DKK 796,063. Funded by Nordisk Ministerråd. Co-investigator.

2017-2022 Restoration of biodiversity in streams: strategy and methodology. DKK 2,900,000. Funded by Aage V. Jensen Naturfond. Project lead.

2017-2021 Mapping, restoring and management of groundwater dependent fens and springs. DKK 5,914,320. Funded by Aage V. Jensen Naturfond. Co-investigator.

2014-2018 Maximizing ecosystem services provided by riparian BUFFERs using novel TECHnologies (BUFFERTECH). DKK 16,100,000. Funded by Innovationsfonden. WP2 lead.

2014-2018 Water resources management under complex, multi-stressor conditions (MARS). DKK 67,475,864. Funded by EU, FP7. National WP3 lead.

2014-2017 Pesticide effects on non-target terrestrial plants at individual, population and ecosystem level (PENTA). DKK 1,865,000. Funded by the Danish Environmental Protection Agency. Co-investigator.

2015-2017 Development of biological indices for use in Danish streams: Benthic algae. DKK 257,700. Funded by the Danish Nature Agency. Project lead.

2016-2017 Stream management and nutrient dynamics. DKK 231,900. Funded by Danish Center for Environment and Energy. Project lead.

2016-2017 Linking benthic algae community composition to stream hydrological regime and ecosystem functions. DKK 92,072. Funded by AIAS, Aarhus University. Co-investigator.

2013-2017 Development of a biological pesticide index for Danish streams. DKK 2,899,000. Funded by the Danish Environmental Protection Agency. Co-investigator.

2016 Science-based criteria for delineation of streams for river basin management plans. DKK 911,200. Funded by the Danish Nature Agency. Project lead.

2016 Assessing effects of stream restoration measures on human activities in stream catchments. DKK 403,420. Funded by the Danish Nature Agency. Project lead.

2015 The Danish stream plant index and ecological status: Characterization of plant assemblages and linkages to anthropogenic impacts. DKK 165,900. Funded by the Danish Nature Agency. Project lead.

2011-2015 Restoring rivers for effective catchment management (REFORM). DKK 52,482,037. Funded by EU, FP7. WP3 lead.

INTERNATIONAL COOPERATION

Previous and ongoing collaboration with a large number of international researchers, through projects funded by EU – FP7 and the Horizon 2020 program.

TEACHING AND SUPERVISION OF STUDENTS

TEACHING 2008 –

Agricultural pressures on nature and environmental conditions in surface waters and catchments (5 ECTS), Aarhus University (2008-2011)

Restoration of wetlands, streams and lakes (5 ECTS), Aarhus University (2012)

Management of nature and environment (10 ECTS), Aarhus University (2015-2016)

Management of Aquatic Ecosystems (10 ECTS), Aarhus University (2017 –)

Wetland restoration (5 ECTS), Aarhus University (2018-)

Integrated Water Management and Legislation (5 ECTS), The university partnership Denmark-China (2020-)
SUPERVISION 2004 –
MSc: >50; PhD: 8

COMMITMENTS

2016- Member of Academic Council at Aarhus University
2015 – 2019 Chairman of the advisory board for the Advisory Committee at Dept. of Bioscience, Aarhus University
2012- Member of the PhD committee of the Graduate School of Science & Technology, Aarhus University. Chairman for >20 Ph.D. defenses
2014 Member of the evaluation panel for The Research Council of Norway

PEER REVIEW

2021- Peer-reviewer for Dutch Research Council VI. Veni.212.275.
2003- Rewiever for 20+ international journals e.g., Science of the Total Environment, Journal of Applied Ecology, Methods in Ecology and Evolution, Freshwater Biology, Hydrobiologia, Journal of Freshwater Science