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DATE OF BIRTH March 12 1962, Danish citizen

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#### EDUCATION

1993 (November) PhD, University of Copenhagen, Denmark (UCPH)

1989 (June) Master of Science, UCPH

#### RESEARCH FOCUS, KEYWORDS

Stream ecology, benthic fauna, biodiversity, community ecology, eco-physiology, food-webs, temperature and oxygen, water & habitat quality, bio-assessment, climate change, alpine ecology

#### ACADEMIC POSITIONS

Associate professor (Lektor), UCPH (1999 →).

Amanuensis, UCPH (1997 – 1999).

Assistant professor (Adjunkt), UCPH (1994 – 1997).

Invited professor, Universidad Católica del Ecuador in Quito, (1994 -2015).

Researcher, Universidad Católica del Ecuador in Quito (funded by Danida), (1994).

#### RESEARCH LEADERSHIP/MANAGEMENT

•Head of Section (~18 employees) (Feb. 2016 →)

•Project Management I-II, Implement Consulting (2011)

•Research Management, CBS (2008-09)

#### EXTERNALLY FUNDED SELECTED PROJECTS AS PI

•Long-term ecological changes in streams in the Himalayan Langtang Valley 2022-23 (Carlsberg Foundation)

•Ecological effects of oil-palm plantations on stream ecology in Guatemala 2020-23 (Talent-program, EU).

•Microplastic in freshwaters 2018-2022. (Innovation Fund, DK)

•BIO-Thaw – Modelling Biodiversity and land use interactions under changes glacial water availability in Tropical High Andean Wetlands, 2013-2016. (Fondation pour la recherche sur la biodiversité).

•Glacial melting, environm. harshness and fauna in streams, 2014-2015. (Carlsberg Foundation).

•Chronic pesticide impact on benthic communities, 2011-13. (DK Environmental Agency).

•Streams and lakes on the Tibetan plateau, 2010-2012. (Carlsberg Foundation).

•Shrinking glaciers and biodiversity in streams in the high Andes, 2009-10. (WWF/Novozymes).

•Oxygen, temperature and diversity of freshw. fauna along altitude gradients, 2004–06. (DK, NSF).

•Natural and human disturbances in the ecology of tropical streams, 1998–02. (Danida, DK).

•Ecology and environmental state of streams in Ecuador, 1994–95. (Danida, DK).

#### SUPERVISION AND TEACHING

•MSc students ~50; PhD students 4 (+ 2 co-supervised); Postdocs 1.

•Current BSc level courses: General ecology (Almen økologi), Biodiversitet, Field course in limnology (Feltkursus III), Macrofauna in freshwater field course.

•Current MSc level courses: Advanced Ecology, Thematic course 1 - Ecology and management of nature, Freshwater Ecology

#### POSITIONS OF TRUST

•Board member of the Danish Bilhaziose Laboratorium (1997-98)

•Member Scientific Advisory Board, Eurac Research, Institute for Alpine Ecology, Italy, (2020→).

#### REVIEWER ACTIVITIES

•Referee for numerous top journals (e.g. Science, Ecology, Oikos, Oecologia, Ecol. Monographs, Limnol. & Oceanogr., PLOS One, Global Ecology and Biogeography, Journal of Biogeography, Nature Climate Change, Ecography, Global Change Biology, Science of the Total Environment, Diversity and Distributions).

•Frequent referee for numerous science agencies such as: IRC (Ireland), NSF (USA), NERC (UK), Ecofondo (Ecuador), IFS (Sweden), Foncyt (Argentina), National Geographic Society (USA), Estonian Research Council, FWF (Austria), Swiss National Science Foundation, Norwegian Research Council.

•Associate Editor: Inland Waters (SIL - Freshwater Biological Association).

•Ph.D. assessment committees, 16 times: Finland (2002, 2015), France (2003), Sweden (2008, 2022), UK (2014, 2019), Italy (2023), USA (2023) and Denmark (2003, 2007, 2012, 2013, 2015, 2019, 2020; 6 times chairman).

#### ADMINISTRATIVE APPOINTMENTS AND COMMUNITY SERVICES

•Member of committee of the Study board for Geography and planning at the Faculty of Science (2020-21).

•Dept. representative in Faculty of Science committee for work environment (2017-2021).

•Member of committee for bibliometric research-indicators, Danish Ministry of Science (2013 -2021).

•BIO representative for the Faculty of Science committee for developing countries (2012-2016).

•Member of the Faculty of Science committee for Master programs (2007-2010).

•Member of the steering committee for the Danish pesticide research program (2002-2015).

#### INTERNATIONAL EXPERIENCE, NETWORKS AND COLLABORATIONS

- Research in Ecuador (1994-2015), Slovenia (2000), Bolivia (2005-2013), Peru (2010), Tibet (2009-2011), Iceland (2012), Greenland (2014&2022), France (2018), India (2019), Myanmar (2019), Nepal (2022-2023).
- Teaching in Ecuador (1994-2006, 2015), Colombia (1997), Bolivia (2004).
- Invited workshops in Ecuador, Venezuela, Bolivia, China, Sweden, Canada, Switzerland, UK.
- Invited member FEMG expert group (Circumpolar Biodiversity Monitoring Program) (2010-11).
- Invited member of the Mountain Research Initiative/International Geosphere-Biosphere Programme working group "Changes in the Mountain Cryosphere and Their Downstream Impacts" (2012).
- Co-founder of the network: Glacier-Fed Rivers, Hydroecology and Climate Change; Current knowledge and future network of monitoring sites (2013).
- Member of the GMBA (Global Mountain Biodiversity Assessment) coordinator group on aquatic biodiversity (2020→).

#### BIBLIOMETRICS

- In total 145, ~100 peer-reviewed papers and book chapters (60 % as first or senior author).
- Several papers in high impact journals in ecology (e.g. *Frontiers in Ecology & the Environment*, *Nature Climate Change*, *Nature Communications*, *Global Ecology & Biogeography*, *J. Biogeography*, *J. Animal Ecology*, *Ecology*, *Oikos*, *Oecologia*, *Biol. Reviews*, *Earth's Future*, *PNAS*).
- Nineteen papers in the world's leading journal of limnology: *Freshwater Biology*.
- Numerous popular articles in Danish (15) and Spanish (7), compendia and reports.
- Textbook: Jacobsen & Dangles (2017) "Ecology of high altitude waters, Oxford, 304 pp
- H index = 43; citation number ~ 6600; most cited paper ~ 460 (Google Scholar).
- Oral presentations (~50) at national and international congresses (e.g. SIL, NABS, ASLO, ESA, NORBS, BES, WBF, IMC), workshops and seminars in 20+ countries, many of them invited.