

**Name: Søren Berg**

**ORCID**

0000-0001-8772-0921

**Degrees**

MSc, Biological Institute, Aarhus University, Denmark (1987).

**Positions**

Research Assistant, Inland Fisheries Laboratory, Denmark (1987).

Consulting Biologist, Hansen & Wegner I/S, Denmark (1987-1988).

Research Scientist, Dept. of Inland Fisheries, Danish Institute for Fisheries and Marine Research (DIFMAR)/Danish Institute for Fisheries Research (DIFRES) (1988-1999).

Senior Research Scientist, DIFRES/DTU Aqua, Technical University of Denmark (1999-2010).

Senior Research Scientist MSK, DTU Aqua, Technical University of Denmark (2010-2014).

Senior Adviser, Section for Freshwater Fisheries and Ecology, DTU Aqua, Technical University of Denmark (since 2014)

**Research area**

Fisheries biology incl. effects of stocking fish (fate of the stocked fish, interactions with natural fish populations and the ecosystem). Structure of lake ecosystems, the role of the fish community, biomanipulation, the fish community in new or recreated lakes, predator-prey interactions in lake ecosystems. Zoogeography of Danish freshwater fishes (incl. crayfish). Rare and threatened freshwater fish (red data list). Alien and invasive freshwater fish and crayfish in Denmark. Catch and bycatch in gill-nets in coastal waters, focus on catadromous species.

**Distinctions and awards**

- None

**Memberships of scientific committees (last 5 years)**

- None

**Publications**

Type of publication:	Number
Web of Science publications:	45
Citations:	1368
<i>h</i> -index:	25
Other peer review publications:	
Books:	3
Book chapters:	10
Reports:	42

**International conferences (last 5 years)**

Type of participation:	Number
Contributions as first author:	0
Invited:	0
Organizing role:	0

**Evaluation tasks (last 5 years)**

None

**Advisory tasks (last 5 years)**

Numerous advisory tasks related to formulating the scientific basis for and implementation of the national fisheries legislation in fresh and coastal waters, incl. verbal and written briefing of key ministry officers.

Several advisory tasks re. the management of invasive freshwater crayfish and crayfish diseases in Denmark under the EU Regulation 1143/2014.

Running advice on specific cases re. applications for stocking fish, lake restoration including biomanipulation, river restoration including fish diversion at fish farms, hydro-electric facilities etc., use of special fishing gears, closed areas and seasons, size limits, rare and threatened fish species, invasive freshwater fishes etc. Advice to national and regional authorities, NGOs and private citizens re. management of lake ecosystems, management of fish populations including fish stocking, management of fisheries, fish species identification, aging fish etc.

#### **Educational tasks at academical level (last 5 years)**

DTU Aqua Msc.-courses in Sustainable Fisheries and Aquaculture:

25318 Management, biodiversity, and conservation of aquatic ecosystems (co-responsible).

25353 Recreation fisheries; Biological impacts; management and human dimensions (contributor).

#### **Supervision (ongoing or finished in the last 5 years)**

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)	0	0
PhD:	0	0
Postdoc:	0	N/A

#### **Innovation activities (last 5 years)**

	Number
Patents:	0

- None

#### **Collaboration with other stakeholders (within last 5 years)**

- Management of the signal crayfish in River Alling. Stakeholder: Norddjurs City Council (2020-2024).
- Dialogforum Nisum Fjord Lagoon. Stakeholders: The Danish Fishery Agency, 2 local city councils and local recreational/commercial fishing associations (2015-present).
- Citizen Science project: Monitoring the Fish Community in Nisum Fjord Lagoon. Stakeholders: Nisum Fjord Network (NGO) & local fishing associations. Project sponsored by angling license funds and the local city councils. Role: Scientific Coordinator (2017-present).
- Working group on management of brackish water pike and perch in Southeastern Denmark (Baltic region). Stakeholders: Fishing Zealand, 3 local city councils, 2 local angling associations and The Danish Fishermen PO (2014-present).
- Advisory Group "Predator fish back to the brackish" in the Baltic region. Coordinated by Angling Denmark and Fishing Zealand. Participants from the Danish Angler Association, the Danish Environment Agency, University of Copenhagen, six local city councils and local anglers. Advisory report published 2023.
- Advisory group on management of commercial and recreational fisheries in Lake Tissø. Participants from the Danish Angler Association, landowners and local anglers. (2021-present)
- Advisory group on management of recreational fisheries in Lake Arresø (Denmark's largest lake). Participants from the owner of the fishing rights (The Danish Nature Protection Agency), The Danish Angler Association and the local angling clubs.
- Organizer of and teacher on course for trainees and experienced Fisheries Inspection Officers from the Danish and Greenlandic Fisheries Inspection on freshwater and fish ecology, biology, fisheries and fisheries management (Course responsible, 2010-present).
- 10-12 lectures (scientific/popular science) per year for various stakeholders (authorities, NGO, etc.) during the last ca. 25 years.
- More than 190 popular science articles, etc. in journals, magazines, newspapers, websites etc. (1988-present) (number for the period 2020-present: 34).

#### **Grants (competitive) (ongoing or finished within last 5 years)**

EU Tender: Mapping the distribution of freshwater crayfish and crayfish plague in Denmark. The Danish Environmental Protection Agency (coordinator and PL, 2020-2022).

#### **Selected publications**

**Berg S** (2012). Pike (pp 350-367), Vendace (pp 385-396), Whitefish (pp 397-412), Perch (pp 569-584), Pikeperch (pp 585-599), Fresh waters of Denmark (pp 37-48, with Rasmussen, G.). In: Carl H & Møller PR,

(eds.): Atlas over Danske Ferskvandsfisk [Atlas of Danish Freshwater Fish]. Natural History Museum of Denmark, 700 pp.

**Berg S** & Skov C (2017) Kapitel 17, Søernes fisk [Chapter 17, Lake fish]. In: Sand-Jensen, K. (ed.). Naturen i Danmark, Bind 5 – De Ferske Vande [The Nature in Denmark, Vol. 5, The Fresh Waters]. 2nd edition. Gyldendal. pp 339-363.

**Berg S**, Pedersen SSa, Pedersen SSø, Vindum KE, Ravn HD (2020). Signalkrebs i Alling Å; Udvikling 2008-2018 [Signal crayfish in River Alling; development 2008-2018]. DTU Aqua Report 366-2020, 43 pp.

**Berg, S**, MW Jacobsen, S Pedersen & BK Klitgaard, 2022. Kortlægning af udbredelsen af krebs og krebsepest i danske ferske vande. [Mapping the distribution for crayfish and crayfish plague in Danish freshwaters] Report to the Danish Environment Agency. DTU Aqua-rapport nr. 401-2022.

**Berg, S**, JG Støttrup & J Kuhn, 2023. Fangst og bifangst i garnfiskeri efter helt i Ringkøbing Fjord. [Catch and bycatch in the commercial gillnet fishery for whitefish in Ringkøbing Fjord]. DTU Aqua-rapport nr. 434-2023.