

Professorship (with special responsibilities) in Diadromous Fishes and their Management

DTU Aqua at Technical University of Denmark invites applications for a position as professor with special responsibilities in diadromous fish stocks and their management. The professorship is affiliated with the National Institute of Aquatic Resources (DTU Aqua), Section for Freshwater Fisheries and Ecology located in Silkeborg.

The research of the section is centred on individual behaviour of fish as a step towards understanding the population dynamics of fish and their interactions with the environment. The research includes studies of fish habitats in streams, lakes, coastal and marine areas and how natural factors and human activity affect the conditions under which fish live. We investigate the effect of deterioration of aquatic habitats and the difficulties faced by fish when they migrate, including the effect of physical barriers in streams, nutrient-rich lakes and the construction of new lakes and wetlands in streams.

The research has three main themes:

- i) migratory behaviour
- ii) relationship between predator and prey and
- iii) restoring natural fish populations

Research results are used to give advice on how populations of freshwater and diadromous fish can be restored, preserved, and exploited in a sustainable way while taking the interests of society into consideration.

Responsibilities and tasks

The professor's research field will be

- to advance our understanding of migration of fishes, particularly diadromous species, through a multidisciplinary approach involving physiology and genetics, with telemetry as primary tool
- the development of telemetry as tools in ecological studies
- to evaluate the impact of obstacles (such as weirs, hydropower stations, etc.) on fish migration.

Research activities are expected to be conducted in cooperation with other research sections of the Institute, other units at the University, and relevant research groups in primarily Europe and North America, as well as fisheries management authorities and environmental protection agencies.

The professor is expected to take leadership in planning, implementing, and contributing to the coordination of larger international and national multidisciplinary research projects and is expected to improve the capacity of the Institute for giving advice to national and international managers of fisheries, policy makers, and relevant authorities as well as other stakeholders.

The professor is expected to participate in teaching at the BSc, MSc, and PhD levels.

Qualifications

The position is intended for a candidate with a track record of

- internationally acknowledged research in freshwater fisheries and ecology
- experience in giving advice on habitat deterioration and restauration
- management of freshwater and recreational fisheries to public authorities, international advisory bodies and other stakeholders

Employment is conditional upon documentation of original research conducted at the highest international level within all the above research themes and an outstanding record in research leadership, including

- visionary strategic development of the research area
- planning, implementing and running innovative research projects
- coordinating input and contributing to work of national and international advisory groups

Furthermore, knowledge of and visions for integrating research findings into fisheries and environmental management is expected.

Assessment

In the assessment of the candidate, consideration will be given to

- the candidate's qualification for handling the special, function-related assignment(s) that are associated with the position
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to teach
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of internal and external cooperation
- the ability to attract funding to the research area
- visions within the research area

Salary and terms of employment

The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

The position is available for a 5-year period and may be extended for up to 3 years more. At the end of the period, the employee in question transfers to a position as associate professor at the university.

Further information

Further information may be obtained from Head of Department Fritz Köster, +45 3396 3300, email: fwk@aqua.dtu.dk or Deputy Director Anders Koed, +45 21685641, e-mail: ak@aqua.dtu.dk.

You can read more about DTU Aqua on www.aqua.dtu.dk

Application procedure:

We must have your online application by **6 November 2017**.

Applications must be submitted as **one PDF file** containing all materials to be given consideration. To apply, please open the link "apply for this job online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter)
- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.