

Professorship in Shellfish Ecology and Production

Applications are invited for a position as professor with special assignments (MSA) in research, public sector consultancy and innovation. The scientific focus is shellfish ecology and production. The professorship is affiliated with the National Institute of Aquatic Resources (DTU Aqua), Danish Shellfish Centre (DSC).

The Danish Shellfish Centre (DSC) conducts research, gives advice and fosters innovation in sustainable farming, fishing and industrial processing of shellfish and seaweed. This is achieved by exploiting coastal natural living resources for the benefit of local communities, seafood industry and the environment. Research addresses different aspects of shellfish and seaweed biology, ecology and production including e.g. long-line cultivation of mussels, oyster hatching, prawn and crab fishery and environmental impact of shellfish production. With integration into DTU Aqua, as of 1st. April 2013, the work portfolio of DSC will be expanded to cover research addressing the interactions between exploitation of shellfish/seaweeds and the aquatic environment, with focus on both impact assessments and advice on sustainable management. DSC is located at Nykøbing Mors with modern research, experimental and developmental facilities and has a close cooperation with industry, research institutions, organizations and universities.

Responsibilities and tasks

The professor's research field is to advance our understanding of shellfish and seaweed biology, ecology, production and utilisation including environmental interactions. This includes i) development of economically viable shellfish and seaweed cultures with positive impact on environmental quality, ii) development of ecologically and economically sustainable shellfish fisheries, iii) implementation of monitoring and assessment methodologies sufficing national and international directives, iv) evaluation of management plans and technical measures allowing a sustainable shellfish and seaweed production/harvesting. The research is done in a combination of analysing data acquired from field and laboratory experiments, commercial productions and fisheries as well as utilising simulations and modelling techniques in an interlinked approach.

The professor is expected to act as leader of the DSC facilities in Nykøbing Mors and affiliated staff at DTU Aqua's headquarters in Charlottenlund, north of Copenhagen. This includes acting as member of the institute's management team and contribution to the strategic development of the institute as well as organizing cooperation with relevant other DTU departments such as the Department of Environmental Engineering and the National Food Institute (DTU Food). The professor is furthermore expected to improve the capacity of the institute for conducting relevant research within the field, giving advice to managers of fisheries, policy makers and other relevant authorities as well as foster innovation in shellfish and seaweed production in cooperation with the industry.

Finally, the professor is expected to contribute to teaching in the master education Aquatic Science and Technology and PhD level, and supervise PhD students and postdocs.

Qualifications

The position is intended for a candidate with a track record of internationally acknowledged research in coastal or shellfish ecology and experience in shellfish production and fisheries, including giving advice to public authorities, international advisory bodies, industry and other stakeholders.

An outstanding record in leadership, including i) day to day operation and strategic development of research facilities, ii) planning, implementing and running innovative multidisciplinary research projects and iii) coordinating input to and leading work of national and international advisory groups is required.

Furthermore, knowledge of and visions for integrating research findings into management procedures and utilisation of research results for improving the ecological and economic performance of shellfish and seaweed production are expected.

Candidates should have well-documented international recognition within their research field, being visionary in their scientific approach and able to initiate and coordinate crucial research activities.

Assessment

In the assessment of the candidates consideration will be given to

- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area
- visions within the research and innovation area
- experience with innovation activities
- track record for commercialisation of research results, including protection of intellectual property
- track record for fostering collaboration with industry
- the ability to communicate at all levels such as the provision of scientific advice to public sector authorities

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.

Further information

Further information may be obtained from Head of Department Fritz Köster, +45 3396 3300, email: fwk@aqua.dtu.dk.

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

Application procedure:

We must have your online application by **XXX 2013**.

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 activities

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