

Jobbnorge-ID: 124275

Søknadsfrist: Closed

Nettside:

Omfang:

Varighet:

PhD position in wastewater treatment in Recirculating Aquaculture System (RAS), IVT 18/16

The Department of Hydraulic and Environmental Engineering is announcing a PhD position, affiliated to the Water and Wastewater Engineering group. The position is in collaboration with Department of Biotechnology, and is a part of a program aiming to include up to 13 PhDs and Post. Docs from different funding bodies. The various PhDs and Post. Docs will have supervision from at least two different NTNU experts, from different departments.

This position is affiliated to a project where the main objective is to contribute in developing of best Recirculating Aquaculture System (RAS) for production of large smolt for further sea cage cultivation. The project is part of a research program on *Environmental interaction of sea based aquaculture* which is a planned interdisciplinary research center in aquaculture-environmental interactions that will join forces in NTNU from different high level research groups. The PhD candidate will be part of these groups.

The candidate will work on one or more of the following fields:

- Integration and optimization of different water treatment processes in a complex RAS system considering the effect on the microbial community and fish health.
- Avoiding bacteria detrimental for smolt in RAS.
- Understand the capacity and the functionality of biofilters for handling of nitrogen and organic waste, and the competition between nitrifying and heterotrophic bacteria.

The applicant must hold a Master's degree preferably in Environmental Engineering or Environmental Biotechnology, but other similar relevant background will be considered

For further information, please contact: Professor Stein Wold Østerhus, stein.w.osterhus@ntnu.no, +47 73591487 or Professor Olav Vadstein, olav.vadstein@ntnu.no, +47 73594058

Conditions of appointment:

PhD Candidates are remunerated in code 1017, and are normally remunerated at wage level 50, gross NOK 430 200 before tax. There will be a 2 % deduction to the Norwegian Public Service Pension Fund from gross wage.

Engagement as a PhD Candidate is done in accordance with "Regulation concerning terms and conditions of employment for the posts of post-doctoral research fellow, research fellow, research assistant and resident", given by the Ministry of Education and Research of 19.07.2010. The goal of each of the announced positions is to obtain a PhD degree. Applicants will engage in an organized PhD training program, and appointment requires approval of the applicants plan for a PhD study within three months from the date of commencement. See <http://www.ntnu.edu/ivt/phd> for more information.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. Persons with immigrant background and women are encouraged to apply. According to the new Freedom of Information Act, information concerning the applicant may be made public even if the applicant has requested not to be included in the list of applicants.

An application inclusive CV, grade transcripts and other enclosures should be sent electronically via this page. Mark your application with **ref.no. IVT- 18/16**.

Application deadline: 25.04.16.

Tilleggsinformasjon

Arbeidssted: