Deliberation for the position Associate professor / professor within radioecology

About the position

Faculty of Environmental Sciences and Natural Resource Management (MINA) at Norwegian University of Life Sciences (NMBU) invites applications for a full-time, permanent position as Associate Professor/Professor in Radioecology (Environmental Radioactivity) with special responsibility for teaching and research in the areas of radioecology, radiochemistry and radioecotoxicology.

The successful candidate will join colleagues in the Environmental Chemistry Section covering a broad field of environmental chemistry, radiochemistry, analytical chemistry, radioecology and ecotoxicology. Radioecology research include speciation and source term, mobility and transfer, uptake and effects, modelling and risk assessment of radionuclides together with other inorganic elements.

Our courses are serving many different study programs and we wish to complement and strengthen our teaching and research to create a robust and future-oriented research group to substantially improve the ability to assess the radiological risks from environmental radioactivity, also combined with other stressors.

Our core objective is to provide the scientific basis for impact and risk assessments which underpin management of radiation risks in combination with interacting stressors. We will provide new scientific knowledge and tools for better protection of people and the environment from harmful effects of radiation within the fields of

- Source terms and release scenarios
- Ecosystem transfer
- Biological responses
- Impact and risk assessment

Our ambition is to be nationally leading and internationally highly recognized within education and research in these areas. The Section is leading the Center of Environmental Radioactivity, which is a 10-year centre of excellence funded by the Research Council of Norway, with funding through 2022. For more information on our education and research, please see https://www.nmbu.no/en/services/centers/cerad/research

Main tasks

When new full-time position is to be filled, the candidates will be evaluated out of teaching qualification and pedagogic ability, not only the research qualifications. The successful candidate is expected to take part in BSc courses like “Inorganic Chemistry” and “Analytical Chemistry”, together with MSc courses; “Experimental radioecology”, “Radiochemistry” and “Ecotoxicology” with his/her field of expertise. The candidate will be expected to supervise MSc and PhD students within the broader field of radioecology/environmental radioactivity. The candidate is also expected to take part or be responsible for development of both existing and new courses within the group. See https://www.nmbu.no/en/services/centers/cerad/education for information about the course portfolio.

We expect the successful candidate to develop a research program linking his/her area of expertise to the research of the section colleagues within the topics discussed above. Candidates who see the benefit of conducting their research in a multidisciplinary and international campus environment will be preferred. To bring in their additional national and international network would be preferable.

Based on the required expertise and experience outlined above, the person to be employed will have the following main duties within his/her field:

- Develop and maintain courses (BSc, MSc) within the strategic priorities of the MINA faculty
- Initiate, achieve funding and undertake research within the strategic priorities of the MINA faculty
- Supervise MSc and PhD students
- Participate in administrative duties
- Provide services to the university, profession, and community

Required Academic qualifications

The successful candidate should hold a PhD degree in a relevant field within radioecology/ environmental radioactivity/radiochemistry or within inorganic chemistry/environmental chemistry with research focus on environmental radioactivity. Either way, the candidate should have an academic background that matches the expertise and tasks mentioned above. A background in other disciplines will still be evaluated if the research or teaching experience is within the broad field of radioecology.

The following experiences and skills will be emphasized:

- Ability to initiate, achieve funds, and complete research projects.
- Expertise and experience within the broad field of radioecology.
- Pedagogic and administrative proficiency.
- Teaching and supervision experience.
- Quality, relevance, and volume of scientific publications.
- International collaboration and experience.
- The applicant's vision for his/her future research and teaching at NMBU.
- Good skills in English.
- Capable to teach in a Scandinavian language. If the candidate does not have a command of the Norwegian or Scandinavian language, he/she must be willing to learn and teach in Norwegian within two years.

Personal qualifications:

- Have high working capacity and motivation for cooperation with other groups at the faculty
- Have good communication skills, ability to establish new contacts and develop networks
- Have ability to create a welcoming and productive working environment for colleagues and students