Environmental HPLC-MS/MS specialist (Academic Employee)

The department of Environmental Science at Aarhus University is looking for a highly motivated and skilled HPLC-MS/MS specialist, that is eager to contribute and run research and monitoring projects on environmental pollutants, especially compounds of emerging concern and their removal from contaminated water.

Expected start date and duration of employment

1 June 2026 to 31 May 2030

We require a new colleague to start on 1 June 2026 or as soon as possible thereafter. This is a four-year fixed-term position

Job description

- You will be contributing to/establishing/developing new projects on removing environmental contaminants (compounds of emerging concern) from contaminated water and soil.
- You will be working primarily HPLC-MS/MS and HPLC-HRMS as well as with bioreactors and other means of decontamination.
- The position will also support method development for compounds that AU-ENVS does not cover, yet. – Both for research projects and for monitoring tasks.
- You will be involved in developing new technologies, research and advisory projects.

These activities will be conducted in the section of Environmental Chemistry and toxicology.

Your profile

The following experiences would be considered advantageous:

- Experience in quantifying compounds by HPLC-MS/MS.
- Identifying metabolites by using high resolution mass spectrometry coupled to HPLC.
- Conducting and reporting for larger projects (EU projects).
- HPLC-MS/MS method development.
- Work with compounds of emerging concern, pesticides and pesticide metabolites, bactericides, food and flavour compounds.
- Experience in developing and running lab- and pilot reactors especially biofilm reactors for removing micropollutants from contaminated water.

Who we are

The department for Environmental Science at Aarhus University is an interdisciplinary department in the faculty of Technical Science at Aarhus University, with physical placement in Roskilde. The department ranges from environmental chemistry, air pollution, microbiology to social science.
The Center for Advanced Water Purification focusses on the fate and removal of organic micropollutants from contaminated water, wastewater, groundwater, drinking water and surface water and related environmental media.

https://envs.au.dk/en/
https://projects.au.dk/waterpurification

What we offer

The department/centre offers:

- a well-developed research infrastructure, laboratories and access to shared equipment
- an exciting interdisciplinary environment with many national, international and industrial collaborators

Application Deadline:
31 March 2026

Institute/Faculty:
Department of Environmental Science

Faculty:
Faculty of Technical Sciences

Academic contact person:
Kai Bester
Professor
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+4593508089

Vacant positions:
1

Hours per week:
37

Expected date of accession:
01/06/2026

- a work environment encouraging lively, open and critical discussion
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance

Place of work and area of employment

The place of work is at Aarhus University, Department of Environmental Science, Risø Campus, Frederiksborgvej 399, 4000 Roskilde, Zealand.

Contact information

For further information, please contact: Prof. Kai Bester +45 93508089; kb@envs.au.dk or Section Head Pedro Carvalho + 45 87158462; pedro.carvalho@envs.au.dk

Deadline

Applications must be received no later than 31st March 2026.

Formalities and salary range

Salary and terms as agreed between the Danish Ministry of Taxation and the Confederation of Professional Unions.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/