

Environmental Analytical Chemistry: Removal of organic micropollutants from contaminated water

The research will be performed in the framework of existing research projects on removing organic micro-pollutants from water (including ozonation, membrane bioreactors, reverse osmosis)

After a brief phase of introduction the respective candidate is expected to run the analysis for organic micropollutants including identification of transformation products from wastewater on HPLC-MS and GC-MS, perform quality assurance and further develop the existing methods as part of their duties on the removal processes.

The candidate is expected to develop new water cleaning possibilities and gain new knowledge on cleaning processes.

The respective candidates must hold a qualified masters with good grades in environmental chemistry, environmental analytical chemistry, water science, environmental engineering or similar. Experience in determining organic micropollutants, extraction procedures, environmental mass spectrometry, wastewater reactor optimization and especially ozonation and membrane processes is of advantage. As a considerable part of the work will be conducted on fullscale treatment plants a driver's license would be of advantage.

The work will be conducted at: Aarhus University, Department of Environmental Science, Frederiksborgvej 399, 4000 Roskilde.

Applicants are strongly encouraged to contact professor Kai Bester kb@envs.au.dk before starting the application process.

Application deadline is February 1st 2018.

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