

Expressions of interests are invited for a PhD fellowship/postdoc position at Dpt. Environmental Science of Aarhus University.

Removal of organic micropollutants in sludge and dissolved phase by ozonation

The research will be performed in the framework of the project "Removal of micro-pollutants by application of multiple point ozone injection". The PhD student will work on developing reaction kinetics, factors controlling the ozonation efficiency and reaction pathways in removing organic micro-pollutants (mostly pharmaceuticals).

After a brief phase of introduction the respective candidate is expected to run the analysis for organic micropollutants 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 respective candidates should hold a masters 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 processes and knowledge in water technology is of advantage.

Place of Employment is Aarhus University, Department of Environmental Science, Frederiksborgvej 399, 4000 Roskilde, Denmark.

Please sent full packages (CV, documentation of graduation, motivation letter) or inquiries for information to professor Kai Bester kb@envs.au.dk.

The call is on the precondition of the final approval of the project. It is expected to fill the position in spring 2018.