

Faculty/Department: Mathematics, Informatics and Natural Sciences/Earth Sciences
Seminar/Institute: Institute of Soil Science

Universität Hamburg invites applications for Research Associates for the project "**Oxygen Consumption of River Elbe Sediments**" in accordance with § 28 (3) of the Hamburg Higher Education Act (HmbHG*). The positions commences on 01.08.2016.

It is remunerated at the salary level TV-L 13 and call for 65 % of the standard work hours per week.

The fixed-term nature of this contract is based upon § 2 of the Academic Fixed-Term Labor Contract Act (WissZeitVG). The term is fixed to 31.07.2019.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg Equality Act (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Tasks:

Duties include academic services in the projects named above. Research associates can also pursue independent research and further academic qualifications.

Background and Area(s) of Responsibility:

The oxygen concentration in Elbe river water is controlled by numerous abiotic and biotic processes. Sediment particles consume oxygen in situ and when re-suspended. Although main processes are known in general, a detailed understanding and quantification on sediment driven oxygen consumption is missing until now. The research associate's task is (i) to establish appropriate laboratory techniques to measure the oxygen consumption of freshly sampled sediments, (ii) to analyze oxygen consumption of sediments from different origin and age in the realm of the Hamburg harbour and (iii) to develop modelling approaches to estimate oxygen consumption of larger areas and for longer periods. The research is funded by the Hamburg Port Authority. Thus, the applicant will work in close cooperation with the funding organization.

Requirements:

A university degree in a relevant field. In particular, at least an MSc or Diploma degree in a subject like soil science, geoecology, geoscience or comparable. We expect comprehensive knowledge and a deep interest in geochemical processes, and skills in scientific writing and a driver license. We also require you to be a good team worker and to work independently.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

* Hamburg Higher Education Act

** Full-time positions currently comprise 39 hours per week.

For further information, please contact Prof. Dr. Annette Eschenbach (a.eschenbach@uni-hamburg.de) or consult our websites at <http://www.geo.uni-hamburg.de/de/bodenkunde.html>.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s).

The application deadline is 20.6.2016. Please send applications to: a.eschenbach@uni-hamburg.de with the subject line “Application Oxygen”

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