

The **Faculty of Environmental Sciences, Institute of Urban and Industrial Water Management**, the **Chair of Process Engineering in Hydro Systems** is seeking to appoint a student as

research assistant (m/f/x) (19 hrs./week)

The position is temporary, starting **at the earliest possible date** and ending by August 31, 2022. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Tasks: Construction and commissioning of a test unit for investigating biofouling on membranes in conjunction with Computational Fluid Dynamics (CFD) of the prevailing flow conditions. Collaboration in the preparation of a research proposal for the further continuation of the research.

Requirements: Very good (scientific) university degree in the field of water management, mechanical engineering, fluid mechanics, process engineering or bioprocess engineering or similar; if applicable, an above-average doctorate; confident command of the German and/or English languages; a high level of commitment and ability to work in a team as well as independently. Very good knowledge of membrane processes and general process engineering of hydro systems as well as experience and very good knowledge in using CFD software are advantageous. Very good knowledge and experience with microbiological working methods are also desirable.

The continuation of the employment as a research assistant, especially with the aim of further qualification, is sought and expressly desired. In return, we offer a varied, highly up-to-date and challenging research activity in an interdisciplinary team, excellent contacts to partners from research and industry as well as the opportunity to organise research work independently with a high degree of personal responsibility.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application by **February 15, 2022** (stamped arrival date of the university central mail service applies) to: **TU Dresden, Faculty of Environmental Sciences, Institute of Urban and Industrial Water Management, Chair of Process Engineering in Hydro Systems, Prof. Dr.-Ing. André Lerch, Helmholtzstr. 10, 01069 Dresden** or/preferably via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf-document to **andre.lerch@tu-dresden.de** resp. **hvt@mailbox.tu-dresden.de**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>