

In support of our team, starting January 1, 2018 or earlier we are looking for a full-time

Postdoctoral Research Associate leading our ,Trace Organic Chemical Laboratory'

About us

The Chair of Urban Water Systems Engineering at the Technical University of Munich is engaged in research activities that are centered around sustainable, energy-efficient urban water and wastewater systems, energy recovery from wastewater and anaerobic technologies, storm water treatment and management, microbial systems, engineered natural treatment systems, advanced water treatment (membrane- and oxidation hybrid processes), water recycling, and state-of-the-art analytical tools for process control and water quality. The Chair maintains a physico-chemical laboratory, a microbiology laboratory and a trace organic chemical laboratory. The Trace Organic Chemical Laboratory is equipped among others with a Sciex 6500 Triple Quadrupole MS, a Sciex 5500 Triple Quadrupole Q-Trap MS, an Agilent 6330 TOF MS, Agilent GC-FID, Agilent Py-GC-MS. For further information, please visit our website at www.sww.bgu.tum.de.

Qualifications

Applicants should demonstrate the following qualifications.

- Ph.D. degree in environmental chemistry, water chemistry, analytical chemistry, food chemistry or environmental science with emphasis on analytical chemistry preferably in aqueous matrices
- Special knowledge in operating LC/MS-MS, LC-TOF-MS, GC-MS systems; development of analytical methods for identification and quantification of trace organic chemicals in aqueous samples
- Softskills (working experience in interdisciplinary teams; leadership)

Duties and Responsibilities

While becoming a member of a research active team, your responsibilities will consist of

- Directing the ',Trace Organic Chemical Laboratory' at the Chair of Urban Water Systems Engineering at TUM
- Supervising technical staff members supporting the ',Trace Organic Chemical Laboratory'
- Co-supervision of PhD candidates and master students
- Development of own active research profile as well as joint research projects in collaboration with other research groups at the Chair related to occurrence and transformation of trace organic chemicals in engineered and natural water treatment systems and effect-based analysis
- Representation of research activities at national and international meetings

We offer

- A fully funded full-time position (TV-L E13) until March 2020 with option of continuation.
- TUM is an equal opportunity employer. Applicants with disabilities and equal qualifications will be considered preferentially.
- TUM is particularly interested in increasing diversity and is welcoming applications from female and international scientists.

Application

We look forward to receiving your application. Please send your application package including a letter of application and CV via E-mail or regular mail to Prof. Dr.-Ing. Jörg E. Drewes (jdrewes@tum.de).

- Applications will be accepted until the position is filled.

Technical University of Munich

Chair of Urban Water Systems Engineering

Prof. Dr.-Ing. Jörg E. Drewes

Am Coulombwall 3

85748 Garching, Germany

Tel. +49 89 289 13713

jdrewes@tum.de

www.sww.bgu.tum.de

www.tum.de