

Student assistant position for CAD support and LC-MS/MS data evaluation in the ‘Water- Energy-Food (WEF) Nexus Research Group’

About us

The Chair of Urban Water Systems Engineering at the Technical University of Munich is engaged in research activities that are centred 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 processes, water recycling, and state-of-the-art analytical tools for process control and water quality. The ‘Water-Energy-Food (WEF) Nexus Research Group’ is looking for a motivated and skilled student assistant to support one of the current research activities: The Water-Hub Project, starting September 1, 2024.

Responsibilities:

- Support the preparation of technical drawings and 3D models for a nature-based water treatment system
- Analyse and evaluate LC-MS/MS data to support research findings.
- Collaborate with researchers and contribute to the interpretation and presentation of analytical results.
- Maintain accurate records and documentation of all work conducted.

Requirements:

- Enrolment as a Master’s degree student at TUM, in a relevant field such as environmental engineering, chemical engineering, or a related discipline.
- Strong proficiency in CAD software (e.g., AutoCAD, SolidWorks).
- Successful completion of Hydrochemistry Lab course (BV180051) is an advantage.
- Experience with LC-MS/MS analysis and data interpretation is essential.
- Good communication skills in English are required.
- Existing experience and knowledge of water treatment processes is an advantage.
- Ability to work precisely and independently.

We offer

- Student assistant position starting as early as September 1, 2024. Working hours will be 7h/week, preferably on a specific day of the week.

Application

If you are interested in this position, please send a brief cover letter and your CV via Email to Dr. Pascal Finkbeiner (pascal.finkbeiner@tum.de)

We look forward to receiving your application!

Technical University of Munich

Chair of Urban Water Systems Engineering, Am Coulombwall 3, 85748 Garching, Germany, Tel. +49 89 289 13714, pascal.finkbeiner@tum.de, www.cee.ed.tum.de/sww/startseite/, www.tum.de