

PhD Student/Research Assistant (f/m/d) in Environmental Chemistry

50%

Job description:

Due to limited efficiency of biological methods for wastewater treatment, broad range of anthropogenic contaminants is continuously discharged with the effluent to aquatic environment. Fate, occurrence, transformation products and potential toxicity of these contaminants, as well as investigation on alternative treatment methods, such as advanced oxidative processes (AOPs) are still in the focus of scientific community.

We are looking for a PhD student to work in the field of micropollutants. We offer access to well-equipped analytical laboratory, including the systems for UV-oxidation, ozonation and sunlight degradation, as well as freedom to shape the PhD project according to the interests of the PhD student and relevance of the topic in the field of environmental chemistry. In the scope of our current interests are following topics:

- UV filters – occurrence, stability and degradation methods;
- Cytostatic drugs – occurrence in wastewater and oxidative process used for their degradation;
- Pesticides in soil- their mobility and persistence

Qualification:

You dispose of

- M.Sc/Diploma in chemistry, environmental sciences, or similar field
- High self-motivation, eagerness to solve problems, being open to challenges
- Experience in liquid chromatography coupled with mass spectrometry, and other analytical techniques would be an asset
- Good communication skills in English (spoken and written)

We offer:

We offer an attractive and modern workplace with access to excellent facilities of KIT, diverse and responsible tasks, a wide scope of advanced training options, supplementary pension with the VBL (Pension Authority for Employees in the Public Service Sector), flexible working time models, a job ticket (BW) allowance, and a cafeteria/canteen.

Salary:

The remuneration occurs on the basis of the wage agreement of the civil service in TV-L, E 13 (50 %).

Institute:

Water Chemistry and Water Technology, Engler-Bunte-Institut, EBI

Contract duration:

limited to three years

Starting date:

as soon as possible, earliest June 1st 2020

Application up to:

April 30th 2020

Contact person in line-management:

Ewa Borowska, e-mail to ewa.borowska@kit.edu

Application:

The application should include of a motivation letter, CV, M.Sc./Diploma certificate, transcripts and the names and contact information of at least one reference. Please send your application either electronically by e-mail to ewa.borowska@kit.edu or by post to Karlsruhe Institute of Technology (KIT) Engler-Bunte-Institut, Water Chemistry and Water Technology, Ewa Borowska, Engler-Bunte-Ring 9a, 76131 Karlsruhe.

If qualified, handicapped applicants will be preferred.

Karlsruhe Institute of
Technology
Personalservice

KIT is certified as a family-friendly university (familienfreundliche Hochschule) and offers part-time employment, leaves for family-related reasons, dual career options, and individual coaching for family-work balance.