



Technische Universität Berlin



Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty III - Process Sciences, Institute of Process Technology / Process Technology

Reference number: III-516/25 (starting at 01/03/26 / limited until 15/11/2028 / closing date for applications 19/12/25)

Your responsibility:

As part of the FNR joint project "Development of an efficient ammonia stripping process for biogas production from farm manure for digestate reduction and nitrogen removal (StripCompact II)", a sub-project for validation and process optimisation is being carried out. To this end, an existing laboratory plant will be optimised and extensive experimental work will be carried out to identify optimum process parameters. These will then be tested at a real biogas plant in Lower Saxony at the demonstration plant being built in parallel. Both the construction and the operation of the demonstration plant will be carried out in close cooperation with the plant construction company and the biogas plant operator, with project coordination also being part of the task. PhD thesis preparation is possible.

Your profile:

- Successfully completed scientific university studies (Master, Diploma or equivalent) in Process or Chemical Engineering, Environmental Engineering or a closely related engineering discipline
- Very good knowledge of process engineering, in particular biogas processes, fluid dynamics and mass transport processes in gas-liquid flows
- Manual skills
- Very good knowledge of German required
- Good knowledge of English (desirable)
- Interest in experimental engineering research (desirable)
- Experience with chemical analysis and measurement methods and programming experience (especially Python and LabView) are an advantage
- Teamwork and project coordination skills, willingness to travel, no fear of new challenges and working on a real biogas plant, as well as strong curiosity, creativity and ability to work independently (desirable)

How to apply:

Please send your application, quoting the **reference number**, with the usual documents (combined in a single PDF document, max. 5 MB) by email to Prof. Dr.-Ing. M. Kraume at sekretariat@vt.tu-berlin.de.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

