Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Assistant - 0.75 working time - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted

Faculty VI - Institute of Applied Geosciences / Applied Geochemistry
Reference number: VI-276/25 (starting at 01/01/26 / until 31/12/2028 / closing date for applications 08/08/25)

Working field:

As part of a BMFTR collaborative project on the evaluation of lithium resources in the North German Basin, and subject to final funding approval, we are seeking a research associate to address geoscientific and geochemical questions. The objective is the scientific analysis of the origin, binding, and mobilization of lithium in deep rock and fluid formations.

Main responsibilities include:

- Selection and characterization of rock and fluid samples from various geological units (e.g., Rotliegend, Zechstein, Buntsandstein)
- Application of mineralogical, petrological, and geochemical methods for the quantitative analysis of lithium and associated trace elements
- Evaluation of isotope analyses for origin and process interpretation
- Integration of results into a geological conceptual model for assessing lithium-rich horizons in the North German Basin
- Support in project coordination, report preparation, presentation of results, and publication
- This position is suitable for pursuing a doctoral degree and is embedded in an interdisciplinary collaborative project involving partners from science and industry

For further questions, please contact Dr. Schiperski by e-mail at schiperski@tu-berlin.de.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in geosciences, geochemistry, petrology, mineralogy, or related fields
- Experience in rock sample preparation and analytical methods (e.g., thin section microscopy, XRD, XRF, ICP-MS)
- Willingness to participate in field and laboratory work in cooperation with project partners
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills.

Desired Qualifications (nice-to-have criteria):

- Prior knowledge in isotope geochemistry and laser ICP-MS
- Experience in sedimentary petrology and analysis of drill core material
- Initial experience with scientific presentations or publications

Expected Skill Development:
By the end of the project, you will have acquired extensive expertise in:

- Petrological and geochemical characterization of rock formations
- Quantitative elemental and isotopic analysis
- Experimental geochemistry
- Development of geological models for resource assessment
- Project management and interdisciplinary collaboration

Please send your application **with the reference number** and the usual documents to Prof. Dr. Neumann **by email** (single pdf file; max. 5 MB) to **peggy.schmidt@tu-berlin.de** or **by mail** to **Technische Universität Berlin, Fakultät VI, Institut für Angewandte Geowissenschaften, FG Angewandte Geochemie, Prof. Dr. Neumann, Sekr. BH 9-3, Ernst-Reuter-Platz 1, 10587 Berlin**.

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/ or quick access 214041.

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.

Please send copies only. Original documents will not be returned.

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