

For the Institute of Applied Geosciences at the Karlsruhe Institute of Technology at the Chair of Geochemistry and Economic Geology, we invite applications for a

**PhD Research Fellow
for 3 years
TV-L E13 (75%)**

to start in **autumn 2025**. The candidate will have the responsibility to conduct internationally visible research in the joint BMWF funded project "LiquidMining - Recovery of critical metals from natural and anthropogenic fluids". The focus of our subproject will be on extraction of critical metals from thermal springs using sorbent materials. Your responsibility will be literature research, sampling of industrial fluids and thermal springs mainly in southern Germany, using the data to create a secondary resources map, developing adapted extraction methods on laboratory and field scale, developing combined extraction processes with our industry partners and developing concepts on the subsequent use of end-of-life sorbents. You are expected to present the data on conferences and publish research results in internationally recognized journals. You will be given the opportunity to prepare a PhD thesis.

You have an MSc degree (or equivalent) in a geoscientific subject or chemistry with research interest in fluid and mineral surface interaction and a strong background in sorption-desorption, mineralogy and crystallography. You have some experience with the characterization of minerals and strong interest in analytical and experimental geochemistry (ICP-MS, ICP-OES, IC). You are motivated, open for new research fields and able to communicate with technicians, other researchers and industry.

We offer an attractive international work place with modern state-of-the-art geochemical lab equipment (<https://lura.agw.kit.edu/english/index.php>) and access to the world-class analytical pool of the KIT. We have a strong team in economic geology, geochemistry and geochronology (<https://egg.agw.kit.edu/english/index.php>) and a partnership with other researches at KIT. This project will be run in close collaboration with colleagues from other institutions and industry.

Equal opportunity is an inherent part of our personnel policy. Therefore, we are particularly welcoming applications from qualified women. Disabled persons will be given preferential treatment in the case of equal qualification.

Applications should include a letter of motivation and the usual documents (CV, complete publication list, certificates). Applications must be sent online using: <https://www.pse.kit.edu/english/karriere/joboffer.php?id=165309> until **29.08.2025**. For information about the position, the project and the institute, please contact PD Dr. Elisabeth Eiche, email: elisabeth.eiche@kit.edu.

Further information: www.kit.edu.