

## External job advertisement registration number 5-2068/24-D

**Future with tradition - shaping science: The Martin Luther University Halle-Wittenberg (MLU) offers a wide range of subjects in the humanities, social, natural and medical sciences. The oldest and largest university in Saxony-Anhalt was created in 1817 from the merger of the universities in Wittenberg (1502) and Halle (1694). Today it has 340 professors and 20,000 students. Research focuses on material and life sciences as well as social and cultural research topics.**

At the Martin Luther University Halle-Wittenberg, Halle-Wittenberg, Faculty of Natural Sciences III, Institute for Geosciences and Geography, two fixed-term positions, limited until December 31, 2027, as

### Scientific Assistant (PhD student position) in petrology of mineral resources/geometallurgy

are available as soon as possible.

The fixed-term contract is in accordance with Section 14 Paragraph 2 TzBfG (Part-time and Fixed-Term Employment Act), which means that only applicants who have not yet had an employment relationship with the state of Saxony-Anhalt can be considered. Remuneration is based on the assignment of tasks and fulfillment of personal requirements up to salary group E13 TV-L (50%, PhD salary). The position provides the opportunity to do a doctorate (PhD).

With the *European Center of Just Transition Research and Impact-Driven Transfer (JTC)*, an interdisciplinary research centre is being established at the Martin Luther University Halle-Wittenberg. Its aim is to address questions about the fair design of techno-socio-economic change in transformation regions in Central Germany and thereby link 'questions of the day after tomorrow' with current challenges. The innovation team to be established within this framework will investigate questions relating to petrology of mineral resources/geometallurgy. A wide range of analytical equipment is available for research activities, e.g. SEM with EDS, EBSD and KL, XRD, XRF, micro-XRF, Raman as well as SEM-based automated mineralogy.

#### Tasks:

- Research on aspects of the petrology of mineral resources/geometallurgy; the thematic focus will be determined in consultation, e.g. in the areas of material cycles, critical raw materials for key technologies, recycling, geomaterials research, renewable energies and nuclear waste disposal, process optimisation in raw material extraction, sustainable metallurgy
- Research and development in technological-economic innovation initiatives in the transformation region of southern Saxony-Anhalt
- Collaboration in the development of methods for the petrology of mineral resources/geometallurgy, e.g. optimized use of primary mineral raw materials as well as secondary residues and waste material, recycling processes, renewable energy generation and storage, optimization of materials and manufacturing processes with regard to resource efficiency and sustainability
- Presentation of results at project meetings as well as at national and international conferences, writing scientific publications



- Participation in the organization of meetings, conferences and workshops

**Requirements:**

- Completed university degree (diploma or MSc) in geosciences, geology, mineralogy or related fields
- Knowledge of petrology as well as raw material and ore deposit research
- Experience in the implementation and application of petrological, microstructural and geochemical analysis methods
- Very good written and oral English language skills
- Independent and structured way of working, ability to work in an interdisciplinary manner, ability to cooperate and work in a team are all required

Applications from severely disabled persons will be given preference if they are equally suitable and qualified. Women are strongly encouraged to apply.

Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Higher Education (<https://www.kmk.org/zab/central-office-forforeign-education>) as proof of equivalence. If you have any general questions, please contact Dr. Ralf Halama ([ralf.halama@geo.uni-halle.de](mailto:ralf.halama@geo.uni-halle.de))

The Institute of Geosciences and Geography is located in Halle, the largest city in Saxony-Anhalt in the metropolitan region of Central Germany in the centre of Europe, with a diverse cultural scene and a wide range of leisure activities.

Please send your application, quoting the registration number 5-2068/24-D, with the usual documents and including a research concept (1 page) by 29/03/2024 to the Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences III, Institute of Geosciences and Geography, Chair of Geodynamics, Prof. Dr. Michael Stipp, 06099 Halle (Saale). Preferably, please send your application documents by e-mail (one pdf document) to [michael.stipp@geo.uni-halle.de](mailto:michael.stipp@geo.uni-halle.de).

The job advertisement is subject to any possible budgetary restrictions.

Application costs will not be reimbursed by Martin Luther University. Application documents will only be returned if a sufficiently stamped return envelope is enclosed. An electronic application is preferred.