

Research associate (m/f/d)

Reference number 92-E/2026

Faculty of Materials Science and Technology

Job scope: 0,75 FTE (30 h/week)
Start: as soon as possible

Remuneration: E 13 TV-L
End date: 31.05.2028

The Technische Universität Bergakademie Freiberg addresses the global challenges of the 21st century in research and teaching – the sustainable, safe, and economical extraction, supply, and use of resources. The Faculty of Materials Science and Technology, Institute of Nonferrous Metallurgy and Purest Materials, is seeking to fill the above-mentioned position on a fixed-term basis as part of an externally funded project, subject to the approval of funding.

Your tasks:

- Conducting a literature review on battery recycling
- Process modeling and optimization using simulation tools (HSC Sim, OLI Studio, and FactSage)
- Collaborating with industrial partners and an international team
- Presentation of project results at project meetings, international conferences, and in journal publications
- Providing technical advice to project partners
- Documenting results, and preparing reports
- Managing TUBAF activities within the scope of the project

What we expect you to have:

- A university diploma/master's degree or Ph.D., in metallurgy, process engineering, materials science, chemistry, or a comparable field
- Knowledge of pyrometallurgy, hydrometallurgy, and thermodynamic modeling (HSC Sim, OLI Studio, and FactSage)
- Knowledge of recycling processes
- Willingness and ability to write reports and prepare publications on research results
- Willingness to travel for work
- Very good English skills (spoken and written); willingness to learn German; ability to work independently; self-motivation and strong teamwork skills; willingness to pursue further qualifications (Ph.D. candidate, postdoctoral researcher)

What you can expect from us:

- Family-friendly working conditions and flexible working hours
- Remuneration according to the provisions of the collective agreement for the public service of the federal states in accordance with the personal requirements (e.g., capital-forming benefits, pension schemes VBL)
- Opportunities for professional and personal development
- Discounted Job Ticket, diverse cultural, sports, and health programs

Your application

Please send your application with the usual documents, quoting the reference number **(92-E/2026)**

until 06.06.2026 preferred

by e-mail to:

bewerbungen@tu-freiberg.de

or to:

TU Bergakademie Freiberg
Dezernat Personalangelegenheiten
09596 Freiberg



For further information, please contact Univ.-Prof. Dr.-Ing.

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Applicants (m/w/d) must meet the employment requirements for fixed-term academic contracts according to the WissZeitVG. Severely disabled persons or persons with equivalent status (m/f/d) will be given preference if they have the same aptitude, performance and ability. Please attach proof. TU Bergakademie Freiberg specifically promotes the proportion of women and expressly invites qualified women to apply.