

University internal job advertisement

At the TU Bergakademie Freiberg, Faculty of Materials Science and Technology, Institute for Nonferrous Metallurgy and Pure Materials (INEMET), is seeking to fill a position as a

Research assistant (m/f/d) - reference number 121-E/2024

to be filled on a temporary basis as part of a third-party funded project.



Remuneration: Pay group 13 TV-L
Job scope: 1.0 FTE (40 hours/week; part-time possible)
Time limit: 31.12.2026

These are your tasks:

- Scientific coordination and management of the project, which deals with the recycling of neodymium-iron-boron permanent magnets for the production of new high-performance magnets
- Investigation and development of a new type of slag system for the efficient and selective pyrometallurgical recovery of rare earths on a laboratory scale
- Separation of by-metals as a valuable by-product of the pyrometallurgical recycling step
- Transfer of the developed recycling process to a technical test scale
- Recovery of rare earth metals from recycled magnets in a fused-salt electrolysis process
- Collaboration with international partners from research and industry
- Presentation of the project results at international conferences and in publications in specialist journals

What you can expect from us:

- Working at a family-friendly university with flexible working hours
- Remuneration in accordance with the provisions of the collective agreement for the public service of the federal states, depending on personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), offers within the framework of university health management, discounted ticket for local public transport (job ticket)
- Induction training by long-standing employees
- Further training opportunities

What we expect from you:

- University degree or Master's degree in the field of metallurgy, process engineering, materials science, chemistry or a comparable degree
- Knowledge in the laboratory with regard to hydrometallurgical and high-temperature processes and thermodynamic modeling is an advantage
- Interest in experimental application-oriented research
- Ability to work independently; self-motivation and high ability to work in a team
- Willingness to gain further qualifications
- Very good written and spoken German and English

**For further information please contact Prof. Dr.-Ing. Alexandros Charitos (Tel. 03731/39-2303,
e-mail: Alexandros.Charitos@inemet.tu-freiberg.de).**

Applicants (m/f/d) must fulfill the recruitment requirements for the conclusion of employment contracts for a fixed term in accordance with the WissZeitVG. Severely disabled or equivalent applicants (m/f/d) with equal aptitude, performance and qualifications will be given preferential consideration. For appropriate consideration, please enclose proof of severe disability/equal status with your application documents. The TU Bergakademie Freiberg aims to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women.

Please send your application with a cover letter/motivation letter, CV, copies of all relevant certificates, stating the **advertisement reference number (121-E/2024) by 21.06.2024** (the postmark of the ZPS of the TU Bergakademie Freiberg applies) to:

**TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg or
via e-mail: bewerbungen@tu-freiberg.de**

Your application documents will not be returned, please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for staff from various disciplines. Further information can be found at: <http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen>.