

The Faculty of Mechanical, Process and Energy Engineering of the Technische Universität Bergakademie Freiberg, the following position is available within a third-party funded project to the next possible date



**Research fellow (m/f/d) – reference number 209-E/2022**

**Salary:** Salary Group TV-L, E13  
**Working Hours:** 100% (part time employment possible)  
**Duration:** 30.06.2023

**Your tasks are:**

- Working on a research topic "Development and construction of a modular plant for the recycling of mixed foundry sand and foundry dust" (acronym: SandCycle) in cooperation with other cooperation partners
- Carrying out mineralogical analyzes of the materials to be regenerated and the dust produced
- Development of a method for separating the active bentonite and carbonaceous components from the inactive components of the regeneration dust
- Optimization of the demonstrator parameters
- Development of a methodology for processing the residues into a secondary product
- Project management, participation in project meetings, reporting

**What we offer:**

- Working at a family-friendly university with flexible working hours
- Remuneration according to the provisions of the collective agreement for the public service of the federal states according to the personal requirements
- attractive fringe benefits, e.g., capital-forming benefits (VL), company pension plan (VBL), health management
- extensive computation facility

**What we expect from you:**

- successfully completed scientific studies (master/diploma) in mechanical engineering, process or environmental engineering or related courses
- confident German or English skills, both written and spoken

**For further information, please contact Prof. Lieberwirth; ph.: +49 3731-39-2528;  
E-Mail: [Holger.Lieberwirth@iart.tu-freiberg.de](mailto:Holger.Lieberwirth@iart.tu-freiberg.de)**

The applicant must meet the hiring requirements for fixed-term employment contracts according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Written applications, including a CV, motivation letter and copies of all relevant qualifications documents (certificates, diplomas), as well as the **reference number (209-E/2022)** should be sent by **01.09.2022** to:

**TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg  
[bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)**

Your application documents will not be returned, please only submit copies. Candidates will not be compensated for any costs incurred for attending interviews. TU Bergakademie Freiberg is always looking for scientific personnel from various disciplines. Information at: <https://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen/ausschreibungen>