

At the Faculty of Chemistry and Physics, Institute of Chemical Technology, TU Bergakademie Freiberg, the following position is available at the earliest:

Research Associate (m/f/d) – position number 209-E/2023

as part of a fixed-term third-party founded project.



Pay grade: pay group 13 TV-L
Hours: 0,5 FTE (20 hours/week)
Termination: October 30th 2025

The Institute of Chemical Technology at TU Bergakademie Freiberg is pan-European leading in resource chemistry. We work on complex problems to realise the energy and resource turnaround and rank at a top position in the development of holistic processes for the recovery of primary and secondary resources. In this context we are seeking an outstanding qualified research associate (m/f/d) for a project on recycling of polysiloxane casting compounds from power electronics.

Your tasks are:

- Wet-chemical based treatment of the polysiloxane casting compounds
- Carrying out different depolymerisation techniques at the polysiloxanes
- Analysis of the decomposition products by GC/LC as well as IR and Raman spectroscopy
- Synthesis and characterisation of new polysiloxanes

What you can expect from us:

- Working at a family friendly university with flexible working hours
- Remuneration according to the provisions of the collective agreement for public service of the federal states in accordance with the personal requirements
- attractive fringe benefits, e.g. asset-based benefits (VL), company pension schemes (VBL), health management, reduced public transportation
- Training by experienced colleagues and cooperation in an industry-oriented project
- Further training opportunities, participation in international conferences
- Opportunity for higher qualification

What we expect from you:

- Academic degree in chemistry or chemical process engineering
- Excitement for the development of chemical processes for a human and climate suitable future
- Extensive experience in chemical analytics (ICP-OES/MS, AAS, RFA, XRD, REMEDX) as well as independent work in a lab are required
- Responsibility, flexibility, ability to work both in a team and independently in a proactive way
- Excellent English (and preferably also German) language skills, both written and spoken
- Experience in setting-up and operating lab and technical scale equipment as well as process monitoring

For further information please contact Dr. Ben Ebersbach, Phone: +493731/39-3880;

E-Mail: ben.ebersbach@chemie.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 qualification documents (certificates, diplomas), should be submitted before **20.10.2023** stating **position number 209-E/2023** to the following address:

TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg

E-Mail: bewerbungen@tu-freiberg.de

Your application materials will not be returned; please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for scientific personnel from different disciplines. Information at:

<http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen>