



At the Faculty of Materials Science and Technology of the Technische Universität Bergakademie Freiberg, the following position is available to the next possible date:



**Tenure-Track-Professorship for Biogenic Technical Materials
(W1-Tenure-Track leading to a W2) - 160-E/2022**

We are looking for an excellent scientist (m/f/d), who represents the field of biogenic materials for technical applications in teaching and research. The professorship should work in the field of the development of bioceramics, biopolymers and/or biocomposites with the exception of collagen-based materials as functional and/or construction materials for use in technical applications. The entire materials value chain from extraction and processing to refinement and recycling should be taken into consideration. Possible research fields of the future professorship are:

- Innovative processing methods of biogenic materials for technical applications, e.g. for material functionalization via coating, including surface functionalization of materials with biogenic materials, or via additive manufacturing
- Modification of the properties of biogenic materials for technical applications based on knowledge of their complex structure
- Transfer of biological material production methods (e.g. biomineralization) into energy-efficient technical processes
- Material stability of biogenic materials (e.g. biofouling, biodegradation and recyclability)

Participation of the professorship in strategic research initiatives of the University (e.g. Center for Efficient High Temperature Material Conversion, Center for Water Research and/or Additive Manufacturing) is expected. The professor (m/f/d) is expected to offer courses (4 respectively 6 SWS) at the Technische Universität Bergakademie Freiberg. The ability and willingness to teach in German and English and to acquire third-party funding are required. Cooperation with regional, national and international research institutions as well as with industry is highly desirable.

The call for applications is aimed at young scientists in the early stages of their careers. Applicants should have worked outside the Technische Universität Bergakademie Freiberg for at least two years.

Initially, the temporary position will be associated with a W1 professorship for three years, and extended for another three years after a successful intermediate evaluation. In case of a positive second evaluation, the professorship will be made permanent and upgraded to W2, without a new call for applications, provided that the legal requirements are accomplished. The evaluation criteria cover the activities in research, teaching, academic self-administration and knowledge transfer. This includes publication of the own research in peer-reviewed journals, successful fundraising, establishing of sustainable scientific co-operations and promotion of young scientists. Based on the international standards and transparent performance agreements, TU Bergakademie Freiberg ensures a fair tenure-track evaluation process.

The applicant must fulfill the general criteria for an appointment as a professor according to § 63 of the Sächs-HSFG, Higher education act of Saxony in its currently valid and applicable version. The regulations of the Sächs-HSFG apply, cf. §§ 59, Abs. 2, 69 Abs. 3 SächsHSFG.

The University supports tenure-track professors by providing advice, networking, continuing education and mentoring. The Graduate and Research Academy (GraFA) of the Technische Universität Bergakademie Freiberg, together with the Center for Didactics in Higher Education of Saxony (HDS), offers continuing education courses tailored to professors.

The Technische Universität Bergakademie Freiberg is a family-friendly university and pursues an instructional and research concept that expects the successful candidate to move his or her main residence to Freiberg or its immediate vicinity. The university provides support in the provision of childcare facilities as well as in finding appropriate jobs in the region for the life partner or spouse (m/f/d) (dual career).

TU Bergakademie Freiberg seeks to employ more female professors. Hence, we particularly encourage qualified female scientists to apply. Applications from disabled candidates or those with additional support needs are very welcome.

Please address your application with reference to the **position number (160-E/2022)**, consisting of a curriculum vitae, a description of your academic career, a list of publications, copies of the most important publications, a list of teaching activities, results of evaluations from the last years, along with a certified copy of the highest academic degree and a cover letter explaining your motivation for the application, as well as outlining your research and teaching concept as hard copy until August 31th 2022 to:

**TU Bergakademie Freiberg - Human Resources Department - 09596 Freiberg
or electronic mail: bewerbungen@tu-freiberg.de**

**If you have any questions, please contact Dean of the Faculty of Materials Science and Technology
(Dekan.Fak5@tu-freiberg.de, Gustav-Zeuner-Str. 5, 09599 Freiberg, Tel.: +49 3731 39-2441,
<https://tu-freiberg.de/fakultaet5>).**

Please note that your application documents will not be returned. Please submit copies of your certificates only. Travel and other costs for interviews will not be reimbursed.