Dresden University of Technology

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Mechanical Engineering, Institute of Textile Machinery and High performance Material Technology, Chair of Textile Technology,** the **research group Polymer Synthesis and Fiber Technologies** offers a project position as

Research Associate (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible.** The position is limited until June 30, with the option of extension in follow-up projects. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Tasks:

- scientific research and development work in the fields of material development, polymer synthesis, and fiber spinning
- planning, conducting, and evaluating experimental investigations as well as analyzing and interpreting the results of these investigations
- developing and testing innovative spinning technologies and modifying existing machine technology
- preparation of scientific publications and presentation of research results at national and international conferences
- support in the acquisition and processing of third-party funded projects and assumption of administrative tasks in the project context

Requirements:

- university degree (master's/diploma or equivalent) in mechanical engineering, textile engineering, materials science, process engineering, or a related discipline with a specialization in polymer chemistry
- experience in the practical implementation of laboratory experiments and/or analyses
- specific experience in the development and implementation of melt spinning processes is desirable
- very good written and spoken German and English skills
- a high degree of commitment and teamwork skills, as well as the ability to work independently

We offer:

- a challenging and exciting research environment with cutting-edge materials and processes, as well as access to state-of-the-art machinery and software
- collaboration with a competent, successful, and friendly team
- opportunity to participate in scientific conferences
- opportunity to collaborate with international research partners
- extensive training and continuing education opportunities
- flexible and family-friendly working hours

For subject-specific questions, please contact Dr. Benecke (lukas.benecke@tu-dresden.de, Tel.: +49 351/463-44019).

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents by **March 20, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **i.textilmaschinen@tu-dresden.de** or to:

TU Dresden, Chair of Textile Technology, Prof. Cherif, Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.