

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 Environmental Sciences, Department of Forest Sciences, Institute of Forest Utilization and Forest Technology**, the **Chair of Forest Utilization** offers a position as

Research Associate / PhD Student / Postdoc (m/f/x)

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

starting **July 1, 2024**. The position is limited until June 30, 2027 and comprises 50% of the regular weekly working hours and an increase by 25% of the regular weekly working hours until June 6, 2026. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (usually PhD/ habilitation thesis).

Tasks: Collaboration in research and teaching at the Chair of Forest Utilization: scientific research on cellulose orientation and structure in plant cell walls, especially in different types of wood; further development of measurement and evaluation methods; supervision of the X-ray diffraction scanner also with regard to scientific cooperations and other (biological) materials; publication and presentation of research results; Collaboration in the preparation and implementation of courses (exercises, seminars, lectures, supervision of student work in German and English) in degree programs such as the Bachelor's degree program in Forest Sciences and the Master's degree programs in Forest Sciences and Wood Technology and Wood Industry; collaboration in academic self-administration and support for the administration of the professorship, including the administration of IT resources of the professorship. administration of IT resources of the working group.

Requirements: a university degree and, if applicable, PhD degree in Materials Science, Chemistry, Physics or another natural science; expertise in the field of X-ray diffraction and its application to biological materials, to be proven by previous achievements (depending on career level); team and communication skills; goal-oriented working style; fluent written and oral expression in English (level C1 of the European Framework of Reference) with the prospect of acquiring German language skills. Experience in the use of programming languages such as Matlab or Python as well as in teaching (depending on career level) are an advantage.

We offer you an interesting and varied position in a working group that conducts interdisciplinary and methodologically diverse research on wood. A high-performance SAXS/WAXD scanner is available at the professorship for the above-mentioned field of research. The chair is characterized by high motivation as well as strong mutual support and appreciation. Support in the development of one's own scientific profile and further training in teaching. We are committed to supporting the development of our own academic profile and further training in teaching.

For further information, please contact Prof. Markus Rüggeberg. Feel free to send informal inquiries. 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 and offers a Dual Career Service. 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 **April 30, 2024** (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 fonuthar@tu-dresden.de or to: **TU Dresden, Fakultät Umweltwissenschaften, Fachrichtung Forstwissenschaften, Institut für Forstnutzung und Forsttechnik, Professur für Forstnutzung, Herrn Prof. Markus Rüggeberg, 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.

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>.