

The Department of Material Sciences and Process Engineering, Institute of Wood Technology and Renewable Materials is currently seeking a

Postgraduate Research Associate (project employment)

Reference code: 199

Extent of employment: 30 hours per week
Duration of employment: 1st of January 2023, limited to 31st of December 2025

Workplace: 3430 Tulln

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.294,00

Structural wood products are gaining in importance in the building sector and combine a range of positive attributes and properties. In near future, the efficient use of wood sources and the need to utilize a wide range of wood species (soft- and hardwood) will be major challenges. In the interdisciplinary research project Uni.Strand four PhDs (wood and civil engineers) will contribute together with twelve partners from industry and academia to the development of a new structural wood product intended for multi-storage buildings.

The focus of the present position is in safe adhesive bonding of wood from various species with synthetic adhesives and the investigation of the influence of the bonding process on the product properties.

Responsibilities

- The PhD candidate is responsible for operative, scientific research in the field of wood based-building materials and wood adhesive bonding of soft- and hardwood
- Literature research, designing and performing laboratory experiments, adhesive and material testing, evaluating results
- Close cooperation with project partners from industry
- Project reporting, publishing in scientific journals and participation at (inter)national conferences
- It is expected that the candidate is willing to perform a PhD study to obtain a doctorate degree (with the possibility to apply for the doctoral school Build.Nature: <https://boku.ac.at/docservice/doktoratsstudien/doktoratsschulen/build-like-nature-resilient-buildings-materials-and-society-buildnature>)

Required skills and qualifications

- Diploma degree in wood technology, wood science, material sciences or other equivalent university degree
- Basic understanding of wood and/or wood adhesive is required
- Interest in the complementary scientific field (wood and/or civil engineering and/or material sciences) is required
- High motivation to develop future-proof solutions for technological questions
- Curiosity and a knowledge-based, creative approach to problem solving
- Ability to work in a team, self-reliance, reliability and communication skills
- Very good knowledge of written English (the everyday working language can also be German)

Desirable skills and qualifications

- Experience in researching scientific literature and scientific writing
- Knowledge of relevant software for data processing, statistics or experimental design

Applications can be submitted until: 1st of November 2022

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- motivation letter
- CV
- Copy of Diploma / Master's degree certificate

to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: kerstin.buchmueller@boku.ac.at. (**Reference code: 199**)

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at