

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: 18

Extent of employment: 30 hours per week
Duration of employment: 1st of April 2022, limited to 30th of September 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

Background: Wood as building material can be particularly affected by moisture fluctuations. In an interdisciplinary research project, we aim to monitor the condition of wooden components with intelligent sensors.

Responsibilities

- Collaboration in an interdisciplinary project consortium with a particular focus on the modification of adhesive joints in such a way that they can inform about static loading conditions or moisture properties of bio-based building components
- Operative research on the border of material sciences, wood science and polymer science
- Tasks including literature research, designing and performing laboratory experiments; modifying existing adhesives; modifying wood; testing adhesive, wood and adhesive bonds; evaluating results
- Close cooperation with project partners from academics and industry
- Project reporting, publishing in scientific journals and participation in (inter)national conferences
- It is desired 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)

Required skills and qualifications

- Diploma degree in wood technology, polymer technology, chemistry, material sciences or other equivalent university degree
- Basic understanding of and high interest in material science is required: wood, polymers
- 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

Desirable skills and qualifications

- Experience in working with adhesives, dispersions or conductive materials
- Interest in sensor technology and electronics
- Interest in statistical data analysis

Applications can be submitted until: 21st of February 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: 18)**

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

www.boku.ac.at