

The Department of Water, Atmosphere and Environment, Institute of Soil Physics and Rural Water Management is currently seeking a

Postgraduate Research Associate project employment

(Reference code: 238)

Extent of employment: 30 hours per week
Duration of employment: 1st of January 2025, limited to 31st of December 2027

Workplace: 1190 Vienna, Muthgasse 18

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.684,10

The overall aim of the desired doctoral thesis is to investigate the impact of drought and severe rainfall on the interaction of beech trees with components of the water cycle. The project will be conducted in the Rosalia research forest of BOKU using in-situ and grab sample measurements of stable water isotopes. Further, time series analysis and isotope hydrological modeling of water cycle components will be used in cooperation with the Institute of Hydrology and Water Management and the Institute of Soil Research (both BOKU). The specific tasks of this open position are mainly:

Responsibilities

- ❖ Operating and maintaining an in-situ isotope hydrological measurement system in cooperation with technical staff
- ❖ Conducting artificial drought stress and irrigation experiments in cooperation with technical staff
- ❖ Estimating evaporation, transpiration and groundwater recharge
- ❖ Estimating the seasonal precipitation source of beech trees
- ❖ Data evaluation and interpretation
- ❖ Statistical analysis (e.g. regression analysis)
- ❖ Publication of scientific papers
- ❖ Presentation of results at scientific conferences

Required skills and qualifications

- ❖ Diploma degree in Hydrology, Geosciences, Environmental Sciences or other equivalent university degree
- ❖ Language skills: English
- ❖ Knowledge of hydrology and/or ecohydrology
- ❖ Ability to solve technical problems if necessary
- ❖ Skills in statistics and data analysis
- ❖ Driver's license B

Desirable skills and qualifications

- ❖ Basic knowledge in isotope hydrology
- ❖ Experience in modeling water cycle components
- ❖ Experience in field work, especially with automated isotope hydrological systems
- ❖ Interest in interdisciplinary research questions
- ❖ Motivation, ability to work in a team and independently

Applications can be submitted until: 6th of November 2024

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
- ✿ Bachelor and Master certificates
- ✿ Summary of master thesis
- ✿ Name of two referees
- ✿ The application should be sent as a single pdf-file (<5MB)

to Personnel Management, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: recruiting@boku.ac.at. **(Reference code: 238)**

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

www.boku.ac.at