

The Department of Crop Sciences, Institute of Agronomy is currently seeking a

## **Postdoctoral Research Associate (project employment)**

(Reference code: 216)

Extent of employment: 40 hours per week  
Duration of employment: 1<sup>st</sup> of January 2023, limited to 31<sup>st</sup> of December 2025

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1 lit. b, € 4.061,50

The Department of Crop Sciences, Institute of Agronomy, at BOKU University in Vienna, Austria, is seeking a highly motivated Postdoctoral Researcher to work on Modelling Intercropping Systems. This 3-year full time position is funded by the EU project “LEGUMINOSE – Legume-cereal intercropping for sustainable agriculture across Europe” and is available from 1 January 2023.

### **Responsibilities**

- The successful candidate is expected to develop, parameterise, and evaluate a process-based model for simulating legume-cereal intercropping systems based on historical datasets as well as new experimental data to be collected from field trials and farm labs in different pedo-climatic zones across Europe
- The successful candidate will closely collaborate with an international multidisciplinary team
- They will communicate with stakeholders involved in the project and present project outcomes at scientific conferences and meetings
- A high level of productivity for peer-reviewed publications is expected

### **Required skills and qualifications**

- Doctoral degree/PhD in agricultural systems modelling or similar
- Language skills: English
- Candidates must have demonstrated experience in developing and improving process-based crop models
- Advanced knowledge of crop physiology, agronomy, and crop modelling as well as experience with major cropping systems models, such as APSIM, SSM-iCrop, DSSAT, CERES is essential
- Experience and skills in handling large datasets, statistical analysis of experimental data and analytical skills in crop model parameterization and evaluation are strongly preferred
- Documented experience in scientific writing and publication in peer-reviewed scientific journals and proficiency in written and spoken English is also required

Applications can be submitted until: 18<sup>th</sup> 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.

Applications should be sent no later than 18<sup>th</sup> of November 2022 by e-mail (only one PDF document) to:

**Assoc. Prof. Ahmad M. Manschadi**

Dept. of Crop Sciences, Institute of Agronomy  
University of Natural Resources and Life Sciences, Vienna  
Konrad-Lorenzstr. 24, A-3430 Tulln, Austria  
E-Mail: [manschadi@boku.ac.at](mailto:manschadi@boku.ac.at)  
Reference Code 216

Phone: +43(0) 1 47654-95112  
<https://boku.ac.at/en/dnw/pb>

The application must be in English and include a cover letter (i.e. personal statement of background and experience relevant to the position), a Curriculum Vitae, a complete list of peer-reviewed publications, and names and addresses (including e-mails) of 3 references. Only complete applications will be considered for review. Please note that only short-listed candidates will be contacted.

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

**[www.boku.ac.at](http://www.boku.ac.at)**