

BOKU University

is currently inviting applications for the position of a Full Professor of

Agricultural Systems Engineering

The University of Natural Resources and Life Sciences, Vienna (BOKU) seeks to appoint a Full Professor of Agricultural Systems Engineering with 1st October 2025. The position is offered in accordance with §98 of the 2002 Universities Act in the form of an ongoing contract.

The University of Natural Resources and Life Sciences, Vienna, the “Alma Mater Viridis”, is the University of Sustainability and Life Sciences. It is BOKU's task to make a key contribution to the conservation and protection of resources for future generations through its wide variety of expertise. Combining natural sciences, engineering plus social and economic sciences, its aim is to increase knowledge of the ecologically and economically sustainable use of natural resources. With 10,000 students and over 2,900 staff members, BOKU is one of Europe’s leading life science universities.

The professorship is assigned to the Institute of Agricultural Engineering, which is now part of the new Department of Agricultural Sciences. In research and teaching, this department covers a broad spectrum along the entire supply and value chain. The focus is on agricultural systems with the interactions of microorganisms, plants, animals and humans as well as on the development of sustainable production processes to safeguard and develop the quality of life.

The Institute of Agricultural Engineering focuses on site-adapted, innovative and sustainable process engineering in optimised agricultural production. The aim is to utilise local resources such as soil, water, plants and energy efficiently and sparingly. Core competencies are information and sensor technology, agro-mechatronics, labour sciences, agricultural energy systems, energy efficiency and sustainability assessment in agriculture.

The responsibilities of the professorship include research in the field of agricultural systems engineering with at least two of the following focal points:

- Optimisation of agricultural engineering in the context of precision farming, digitalisation and energy efficiency for sustainable agriculture.
- Further development of agricultural technology, agricultural automation and robotics solutions for farming.
- Increasing efficiency in the use of energy and resources in agricultural systems.
- Developing and implementing technology-based strategies that contribute to adapting to and mitigating climate change in the agricultural sector.
- Sustainability assessment of innovative agricultural engineering and new solutions for sustainable agriculture.

In addition to the main topics of the Institute of Agricultural Engineering, interdisciplinary research topics in cooperation with colleagues at BOKU and agricultural engineering institutions are expressly encouraged. Participation in the further development of the newly established BOKU Research Farm is expected.

Teaching in agricultural systems engineering includes lectures, tutorials and excursions in German and English, as well as the supervision of Bachelor's and Master's theses and dissertations. Teaching also requires participation in interdisciplinary events and practical exercises and integration and

collaboration in doctoral programmes at BOKU. In addition to this teaching activity, participation in the further development of curricula is expected.

Job specifications

- Venia docendi or international equivalent or an subject-relevant academic qualification, that is equivalent to a habilitation.
- Relevant experience and competence in teaching, guidance in scientific work, as well as the supervision of junior scientists (PhD students).
- Subject-specific research experience, national and international reputation, as well as ability to network.
- Excellent publication achievements in the scientific field.
- Sound international research experience.
- Teaching in German and English.
- Experience in the successful acquisition, execution and management of competitive research projects.
- Cooperation with national and international research institutions and with relevant partners from public services and business.
- Management and interpersonal skills including skills in gender and diversity management, inclusion and accessibility in communication; communication and team skills.
- Participation in public relations.
- Participation in relevant focus and cooperation programs of the University.
- Participation in the self-governance of the University of Natural Resources and Life Sciences, Vienna.
- Excellent knowledge of written and spoken German and English or willingness to learn German in the first two years.

For more information about this position, please contact the Deputy Head of Department of Agricultural Sciences, Univ.-Prof. Dr. Christoph Winckler, phone: +43 1 47654 93001, e-mail: christoph.winckler@boku.ac.at.

Please submit your application as **single PDF file** (LastName_FirstName.pdf) containing the information mentioned below in English via email to the Rectorate of the University of Natural Resources and Life Sciences Vienna (berufungen@boku.ac.at) no later than **20th March 2025**.

Please include the following documents with your application:

- Brief explanation of why you believe yourself to be particularly suitable for this position (max. 1 page A4)
- CV including ORCID and details of professional, teaching and research activities, incl. a teaching portfolio – further information is available at <http://short.boku.ac.at/teachingportfolio>
- Draft concept for research and teaching; presentation of planned research priorities (max. 4 pages A4)
- List of publications (referenced / not referenced), presentations and projects
- Copies of 5 recent publications that you consider particularly important

By submitting the application, you also agree to the participation of an external recruitment consultant in the selection process.



BOKU University is seeking to increase the number of its female faculty members and therefore, qualified women are strongly encouraged to apply. Women are given priority when qualifications are equal, except in cases where there are outweighing factors concerning another candidate.

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

The employment contract is classified as group A1 of the collective agreement for university employees. Minimum gross yearly salary: € 89,075; the actual annual gross salary is subject to negotiation.

More information on this position and about BOKU and this department can be found on the website: <https://boku.ac.at/>