



The University of Natural Resources and Life Sciences, Vienna (BOKU)

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

Bionics – Sustainable Building Principles inspired by Nature

(BML Stiftungsprofessur für Nachhaltiges Gestalten und Bauen – Neues Europäisches Bauhaus)

The University of Natural Resources and Life Sciences, Vienna (BOKU) seeks to appoint a Full Professor of “Bionics – Sustainable Building Principles inspired by Nature” at the earliest possible date. 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 present Department of Civil Engineering and Natural Hazards, which will be part of the new Department of Landscape, Water and Infrastructure from 1st January 2025, consists currently of the Institutes of Mountain Risk Engineering, Applied Geology, Geotechnical Engineering, Institute of Soil Bioengineering and Landscape Construction, Structural Engineering as well as Green Civil Engineering and deals with the development of a sustainable economic and living environment in its subject areas. The most important studies that are of particular relevance for the advertised professorship are (i) the Bachelor's programme Umweltingenieurwissenschaften, (ii) the Master's programme Civil Engineering and Water Management, (iii) the Master's programme Green Building Engineering and (iv) the doctoral programme BUILD.NATURE (Build like Nature: Resilient Buildings, Materials and Society).

The applicant should be active in the field of **Bionics – Sustainable Building Principles inspired by Nature**, both in teaching and in research. The applicant is expected to establish a link between biology on the one hand and construction or resource-efficient building construction on the other hand and to research and teach in the area of this interface. The focus should be on the use of bio-based materials, in particular wood, as well as on overall energy efficiency.

The principles of the New European Bauhaus (aesthetics, inclusion and sustainability) must play a central role in the research strategy. The networking of research activities with national and international initiatives on the New European Bauhaus is also desirable.

The applicant is expected to actively participate in the lectures and exercises of the Institute of Green Civil Engineering as well as in other courses at BOKU and to develop new courses on the subject.

Professional co-operation within the department as well as with other, related BOKU departments is desired.

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 research projects.
- Cooperation with national and international research institutions and with relevant partners from public services and business.
- Relevant expertise in the field of bionics and initial approaches for a link to the topic of resource-efficient construction.
- Management and interpersonal skills including skills in gender and diversity management, inclusion and accessibility in communication; communication and team skills.
- Willingness to participation in public relations.
- Willingness to participation in relevant focus and cooperation programs of the University.
- Willingness to 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.
- Please note that the person appointed must not have been in an employment relationship with the appointing university for the last three years (FFG requirement for endowed professorships).

For more information about this position, please contact the Head of the Institute of Green Civil Engineering, Univ.-Prof. DI Dr. Benjamin Kromoser, phone: +43 1 47654 87611, e-mail: benjamin.kromoser@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 no later than **31st October 2024**: berufungen@boku.ac.at.

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.

The University of Natural Resources and Life Sciences, Vienna 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/>