Technische Universität Berlin, Faculty VI — Planning Building Environment — Institute of Ecology has a vacancy for a **University professorship - salary grade W3** in **Soil Science**.

**Faculty VI**

**Reference number:** VI-381/21 (starting at 01/04/23 / unlimited / closing date for applications 29/10/21)

**Working field:** The position is of central importance to teaching and research in the field of Urban Ecosystem Sciences at TU Berlin (key application area Urban and Environmental Systems at TU Berlin). The successful candidate will teach in English and German in the bachelor's and master's programs in Ecology & Environmental Planning and Landscape Architecture as well as in the master's programs in Urban Ecosystem Sciences and Environmental Planning. The professor will conduct interdisciplinary and scientifically based research, develop integrative and innovative approaches to understanding soils and their functions in natural and anthropogenic systems, as well as propose solutions to current and new challenges resulting from urbanization and global environmental changes. The position holder is further required to develop curricula as well as contribute to joint research and take an active roll in academic self-administration.

**Requirements:** Appointment requirements pursuant to Section 100 of the Berlin State Higher Education Act (Berliner Hochschulgesetz — BerlHG) are (a) a university degree, (b) a strong aptitude for research (normally demonstrated by a doctorate), (c) additional scientific achievements (e.g. Habilitation or the equivalent), as well as (d) teaching skills as demonstrated by a teaching portfolio (further information available on the Technische Universität Berlin’s website https://www.tu-berlin.de/menue/einrichtungen/praesidium/projekte_des_praesidiums/neuberufene/berufungsportal/bewerbung/lehrportfolio/parameter/en/).

The candidate should be a scientist from the fields of soil science, environmental science, geoscience or agricultural sciences who possesses the skills to work closely with colleagues from the Institute's other subject areas and is able to represent the academic chair in its entire breadth. Experience in the organization of coordinated research projects and in at least one of the following areas is expected:

(a) analysis of spatio-temporal patterns of nutrient and pollutant distribution in urban and natural ecosystems;
(b) interactions between soils and plants, soil organisms and urban climate, as well as related ecosystem services;
(c) knowledge-based interventions in urban material flows and ecosystems to promote, for instance, nutrient recovery, carbon sequestration or pollutant fixation/elimination in different types of land use;
(d) the contribution of soil science to the development of scenarios, models and solutions for sustainable and resilient urban landscapes.

In terms of methodology, the successful candidate is expected to possess proven expertise in the following areas:

(a) cross-scale soil science research to analyze changes in soil properties in space and time;
(b) scientific analysis, experiments and modeling;
(c) development of interfaces with the planning and social sciences.

Applicants must be able to conduct teaching in German and English. The requisite language skills were determined by TU Berlin's Academic Senate in its decision on language policy (on the Technische Universität Berlin's website https://www.tu-berlin.de/menue/einrichtungen/praesidium/projekte_des_praesidiums/neuberufene/berufungsportal/bewerbung/sprachenpolitik/).

In addition to duties pursuant to Section 99 of the Berlin State Higher Education Act, the successful candidate is further expected to assume responsibility for heading an academic chair and managing its staff and should possess the requisite skills for the advancement of junior scholars and women, as well as commitment to ensuring gender equality and diversity.

Technische Universität Berlin is seeking to increase the proportion of women in research and teaching and actively encourages applications from suitably qualified female candidates. Preference will be given to applicants with severe disabilities fulfilling the requirements of the position. TU Berlin values the diversity of its members and is committed to equal opportunities. We are a certified family-friendly university and our Dual Career Service can assist you and your family in your move to Berlin.

To ensure the involvement of international reviewers, the application documents are requested in English. Please submit your application with the appropriate documents (CV, certificates, concept for research and teaching, teaching portfolio, details of acquired external funding and a publications list highlighting which five publications you regard as the most significant) quoting the reference number VI-381/21 by October 29, 2021. Your application should be sent by email as a single PDF file to bewerbungen@fak6.tu-berlin.de. Electronic documents submitted using cloud services such as
WE-Transfer or Dropbox cannot be accepted.

Please send an email to berufungen@fak6.tu-berlin.de for further information concerning the application process. Please also send any subject-specific queries to the email address above; these will be forwarded to the chair of the appointment committee.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ or quick access 214041.

Technische Universität Berlin - Der Präsident - Dekanin der Fakultät VI Planen Bauen Umwelt, Prof. Dr. Wellner, Sekr. A1, Straße des 17. Juni 152, 10623 Berlin

The vacancy is also available on the internet at https://www.personalabteilung.tu-berlin.de/menue/jobs/