



The Rheinische Friedrich Wilhelms University of Bonn is an international research university with a broad spectrum of subjects. 200 years of history, around 38,000 students, more than 6,000 employees and an excellent reputation at home and abroad: the University of Bonn is one of the most important universities in Germany and has just been awarded the title of Excellence University.

The professorship for soil science and soil ecology (led by Professor Wulf Amelung) is looking for a three-year position **to be started at 1st July 2021**, for a

## PhD student (100%)

The successful candidate will work in a project that is part of the EU funded Innovative Training Network (ITN) "Macro and Microplastic in Agricultural Soil Systems – SOPLAS". Aim of the project is to determine and characterize plastic loads in soil under plastic mulching, compost application and irrigation. Plastic loads in soil will be targeted by establishment of an improved extraction protocol, using different separation and analyzing techniques. The project will be realized in close collaboration with all partners of the ITN (consisting of academic and industry experts, comprising economists, agronomists, hydrologists, soil scientists, microbiologists and chemists) and includes a comprehensive training program for PhD students. Following the rules of Innovative Training Networks, applicants need to be in the first four years (full-time equivalent) of their research careers and have not been awarded a doctoral degree. To foster international exchange of early stage researchers the applicants should not have resided in the country of the host institution (Germany) for more than 12 months in the last 3 years (except refugees).

Your profile:

- Diploma or Master's degree in the field of soil science, agriculture, geography, analytical chemistry or related natural sciences disciplines
- Experience in different analytical techniques for environmental pollutants, i.e. gas chromatography, Fourier transformed infrared (FT-IR) and Raman spectroscopy
- Very good communication skills; English language skills
- Willingness to travel and stay abroad for several weeks, including field sampling
- Highly motivated, open-minded, eager to learn and with a capacity for teamwork.

We offer:

- Opportunity to obtain a PhD
- Research facilities with well-equipped modern laboratories
- Opportunity to work in an interdisciplinary and international research project
- Member of the Theodor-Brinkmann-Graduate School (TBGS), which is offering various opportunities for further PhD student training and networking
- Salary according wage group E 13 TV-L.

**The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university. Its goal is to increase the proportion of women in areas in which women are underrepresented and to particularly promote their careers. It therefore strongly encourages applications from women with relevant qualifications. Applications are handled in accordance with the State Equality Act. The application of suitable people with proven severe disabilities and persons of equal standing is particularly welcome.**

If you are interested in this position, please send your application by Email (letter of motivation, CV, list of publications, certificates, two recommendation letter(s) or reference contacts) to Prof. Wulf Amelung (w.amelung@uni-bonn.de) and Dr. Melanie Braun (melanie.braun@uni-bonn.de) **until 15th January 2021**. Before sending your application, combine and convert all of your documents into one PDF file. For further information, please visit our homepage ([www.boden.uni-bonn.de](http://www.boden.uni-bonn.de)), or contact Prof. Wulf Amelung or Dr. Melanie Braun.