At the Faculty VI Regional and Environmental Sciences, Trier University, in the department of Soil Science, a position is available as a

Research Associate (m / f / d)
75% of the fulltime weekly hours, salary group TV-L 13

starting from June 1, 2022 or the next earliest date. The position is limited until 30.11.2024 and offers the opportunity for scientific qualification (doctorate to Dr. rer. nat.).

The position is involved in the project "AntBioHK - Effects of the increased use of poultry manure in biogas plants on the contamination of fermentation residues by veterinary drugs".

The joint project with the DBFZ - German Biomass Research Center, Leipzig - aims to clarify how the energetic use of poultry manure in biogas plants can be increased without adverse effects on the biogas process or on the environment as a result of antibiotics and coccidiostats. To this end, Subproject 2 "Analytics and Sample Screening" will implement the analysis of drug residues in poultry manure and create a database for the work at the DBFZ in Subproject 1 on the biogas process. For this purpose, a data set on residue levels of relevant compounds in samples of different poultry species and husbandry systems is to be developed, taking into account kinetic processes and other influencing variables. Based on this, it will be investigated whether and, if so, how the residues influence the fermentation process. In this context, degradation or conversion processes of the substances during fermentation are to be investigated.

Your research in subproject 2 is primarily aimed at adapting analytical methods for the detection of selected antibiotics and coccidiostats and determining the residue levels in manure of different poultry species and husbandry systems in a screening process. This will be linked to the findings on the fermentation of poultry manure and the contamination of the fermentation residues in order to determine the possibilities and limits of the energetic utilization of poultry manure.

We offer:
- A university work environment in a creative and renowned, English speaking team as part of an environmental science faculty.
- Very good analytical equipment and appropriate training.
- Cooperation with national and international research institutions.
- Workshops and courses to develop further skills.
- Involvement in the activities of Soil Science at the Trier University.

You offer:
- Completed academic university degree (Master's or equivalent) in environmental science, environmental chemistry or analytical chemistry or related disciplines (e.g., geocology, chemistry, agricultural or forestry sciences, or related subjects).
- Visible background and interest in environmental research and analytics.
- Initial experience with chromatographic analytical systems such as HPLC or GC with mass spectrometry.

Disabled persons and persons who are treated as such in accordance with section 2 (3) of the German Social Code IX (SGB IX) will be given preferential consideration if they are suitably qualified (please enclose proof). The University of Trier endeavors to increase the number of its female scientists and urges them to apply.

Please submit your application by May 09, 2022 with certificates, CV, letter of motivation and - if available - the summary of your master's thesis and a reference. Preferably, send this in one pdf file to thiele@uni-trier.de.

In case of further questions about the position, please send an e-mail to thiele@uni-trier.de.
Please do not submit your application in folders or envelopes and only as uncertified copies. The documents will not be returned, but will be destroyed after the selection process has been completed.