

PhD position open!

Environmental and Isotope Geochemistry Group
Faculty of Environmental Sciences
Czech University of Life Sciences Prague



KGEV

katedra geoenvironmentálních věd

The use of composite sorbents for remediation of contaminated soils – simulation of various environmental conditions

The Environmental and Isotope Geochemistry Group invites applications for a PhD position within the topic "The use of composite sorbents for remediation of contaminated soils – simulation of various environmental conditions".

Short description

The project aims to describe the behaviour of biochar-based composite sorbents in soils and assess (i) the effects on metal/metalloid immobilisation and (ii) the overall impacts on soil properties. The complexity of soils makes the investigation of such amended matrix highly demanding.

The candidate shall characterise the composite materials and their transformations in soils from (bio)geochemical and mineralogical points of view with respect to seasonal changes in soil moisture content, pH, Eh etc.

Requirements

- Diploma in a relevant natural or environmental science discipline (e.g., geochemistry, mineralogy, soil science, material science, chemistry)
- Solid instrumental analytical background (knowledge of techniques for solid phase characterisation)
- Ability to work with MS Office and to learn with specialised geochemical modelling programmes
- Ability to work independently in an interdisciplinary team of various fields of geosciences

Salary: 20,000-25,000 CZK/month nett (785-980 EUR) + bonuses

Application deadline: March 10 2019

Start: October 1 2019

Please email applications together with CV and a letter of recommendation by supervisor to: vitkovam@fzp.czu.cz

