UNIVERSITÄT KOBLENZ · LANDAU

The **Faculty 7: Natural and Environmental Sciences** invites applications for a

PhD position (part time 67%) (f/m/d)

at the **Institute for Environmental Sciences – Working Group of Quantitative Landscape Ecology** at the **Campus Landau/Pfalz, Germany** - under condition of the formal approval of the project. The successful applicant will work in the DFG project "**The role of individual tolerance for community assembly during degradation and recovery**", which is included in a DFG-funded collaborative SFB project RESIST ("Multilevel response to stressor increase and release in stream ecosystems"). The appointment is for **3 years** and subject to the German law on fixed-term contracts in science (WissZeitVG). The salary will be according to 67% of the German public service salary scale TV-L 13.

Topic:
In this subproject of the SFB, the Phd student will investigate the significance of organisms' tolerance to stressors through statistical analyses of experiments with ecological communities. The applicant's task is to compile data in collaboration with other subprojects as well as with international partners and to test different hypotheses using modern statistical methods, machine learning and molecular biological data. The candidate is expected to conduct the project and to analyze and publish the results. The study is funded by the German Research Foundation and is part of the SFB RESIST. RESIST is coordinated by the University of Duisburg-Essen (UDE) with the participation of the Ruhr-University of Bochum (RUB), Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), University of Cologne, Kiel University Christian-Albrechts-Universitaet zu Kiel (CAU), the University of Koblenz-Landau, and Helmholtz Centre for Environmental Research (UFZ). As a member of the Quantitative Landscape Ecology group and in close cooperation with the partners, the PhD candidate will have access to state of the art equipment and will work within the young and interdisciplinary team of researchers at the Institute for Environmental Sciences.

Requirements:
The successful candidate holds a degree (M.Sc., Diploma) in a relevant field (e.g., ecology, biology, landscape ecology, environmental sciences, ecotoxicology or applied mathematics/computer science) and has a sound knowledge in one or all of the following areas: freshwater ecology, stress ecology, ecotoxicology, statistics, phylogenetic data and databases. She/he is interested in interdisciplinary research at the interface between stress and freshwater ecology, has the necessary practical skills to conduct computer-based analyses (i.e. fluent in R, Python or similar languages).

Please contact Prof. Dr. R. Schäfer (schaefer-ralf@uni-landau.de) for further information.

Women with equivalent suitability, competence and professional performance will have preference for employment as far as and for as long as an underrepresentation exists. This is not the case if there are such serious reasons of an applicant that are above the principle of equality of women.

Applicants with disabilities who have the same qualifications will have preference (please attach a proof).

International candidates are highly encouraged to apply.

Applications should include a letter of motivation, a complete curriculum vitae including an overview of software skills, academic transcripts, certificates and a reference letter from a referee. Please send your application **before 25 December 2020 via email in a single pdf document** to Prof. Dr. Ralf Schäfer (schaefer-ralf@uni-landau.de). Please make sure to mention **your name and the refence number 101/2020** in the subject line of the e-mail.

We do not send an acknowledgement of receipt. You will receive information about the result of your candidature. Data destruction after the conclusion of the selection procedure is assured.

www.uni-koblenz-landau.de/uni/stellen