

The **Junior Research Group Global Change Ecology** (Dr. Jonas Jourdan) at the Institute of Ecology, Evolution and Diversity of the Goethe University Frankfurt am Main, is awarding a

**PhD scholarship
(job code KWH 2021-02)**

for a period of three years, starting at **the next possible date**. The financial support of the scholarship comprises 1,450 euros per month. Within the grant, a project on the condition and development of biodiversity in Hessian waters is to be carried out for the Hessen Water Competence Center, which is currently being established.

Project Rationale: Riverine ecosystems are biodiversity hotspots that are experiencing a dramatic decline in biodiversity in many places. This observation affects all levels of biodiversity and also impairs ecosystem functions and services for humans. The overall aim of the PhD project is to document the status and development of Hessian aquatic biodiversity. The aim is to gain an understanding of the impact of controlling factors and, in particular, anthropogenic pressures. The focus is on point sources of municipal wastewater treatment plant effluents as well as diffuse inputs from agriculture and their role in the structuring aquatic communities.

Your profile: You have completed your university degree (M.Sc.) in a relevant field (e.g., biology, bioinformatics, data science, ecology, environmental sciences or applied mathematics/computer science) with "very good" rating. You are interested in handling large data sets. Ideally, you have analytical modelling and programming skills in R and a basic knowledge of aquatic ecology. Furthermore, a high ability to work under pressure, very good organizational and communication skills are required. Excellent English skills, oral as well as written are required. German language skills are helpful but not mandatory.

We offer a creative, appreciative working environment with a high degree of personal responsibility in a young and motivated team. You will benefit from a research network of national and international cooperation partners and can take advantage of further qualification opportunities through the Goethe Research Academy for Early Career Researchers (GRADE).

Please send your **application** electronically with the usual documents (CV, important certificates), as well as a letter of motivation (in English language, max. 1 page), contact details of two referees to support your application and with reference to job code KWH 2021-02, **as a single pdf** document to Dr. Jonas Jourdan, Institute of Ecology, Evolution and Diversity, Goethe University of Frankfurt, e-mail: jourdan@bio.uni-frankfurt.de. Closing date for application is **July 16, 2021**. Please contact Dr. Jonas Jourdan for further information.