



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

The Department of Systematics, Biodiversity and Evolution of Plants, Albrecht-von-Haller-Institute for Plant Sciences, Faculty of Biology and Psychology at the Georg-August-University Göttingen invites applications for a

PhD Position in Plant Systematics

EG 13 TV-L (65%)

for three years, starting presumably in May 2021 (plus/minus one month). The position will be financed by the DFG (German Science Foundation) project: “Evolution of polyploidy and apomixis in the pantropically distributed and species-rich genus *Zanthoxylum* (Rutaceae)”. In the course of the project, we will study phylogenetic relationships and biogeographic patterns of a relatively old and pantropically distributed genus in the Citrus family using a genomic dataset (HybSeq) and analyze the modes of reproduction and ploidy levels of the species using microscopy and flow cytometry.

The applicant should have a Master’s degree (or equivalent) in Biology and proficient skills in scientific English (oral and written). We expect a deep interest in plant systematics, tropical biogeography and evolutionary processes including apomixis, polyploidy and hybridization. Theoretical and practical background knowledge in DNA sequencing techniques as well as phylogenetic methods is essential. Plant samples will be collected in the course of this study, so that the willingness to carry out field work under (sub)tropical conditions and to identify species of a taxonomically difficult genus is required. Knowledge regarding Next-Generation Sequencing and especially bioinformatic analyses of genomic data are advantageous. We expect high motivation, creativity, a cooperative personality and integration into the research team.

We offer a paid PhD position for three years, scientific research with a highly motivated international team, fully equipped laboratories, flow cytometry and other research facilities in the department. The research material will be collected during a field trip to China as well as herbarium visits at the beginning of the project. Our PhD program offers a comprehensive mentoring program, specific courses for plant evolution and systematics including courses in Next-generation Sequencing, opportunities for conference presentations, gaining teaching experience, and further support for career development.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.



Please send your application with the usual documents (motivation letter, CV, publication list, a copy of the MSc (or equivalent) certificate and letters of reference) until January 31st 2021 by email to:

Dr. Marc Appelhans, Georg-August-Universität Göttingen, Department of Systematics, Biodiversity and Evolution of Plants, Untere Karspüle 2, 37073 Göttingen, Germany; email: marc.appelhans@biologie.uni-goettingen.de.

The application files will be destroyed after a holding period of three months.

Hinweis: Wir weisen darauf hin, dass die Einreichung der Bewerbung eine datenschutzrechtliche Einwilligung in die Verarbeitung Ihrer Bewerberdaten durch uns darstellt. Näheres zur Rechtsgrundlage und Datenverwendung finden Sie im: Hinweisblatt zur Datenschutzgrundverordnung (DSGVO) <https://www.uni-goettingen.de/hinweisdsghvo>