



May we introduce ourselves to you?

We, Geisenheim University, are a university of the German federal state Hesse with about 1,800 students and 550 employees. Our university offers a unique range of teaching and research throughout Germany in the fields of plants, landscape, food and beverages. We develop strategies for a sustainable and livable future. In this way, we make a meaningful contribution to societal transformation that takes into account the future-oriented requirements of climate, landscape and food.

Are you looking for a challenging and varied job in a personal atmosphere characterized by collegiality? Would you like to work in an innovative environment whose tradition has been based on sustainability for over 150 years? Then shape the future with us as

Doctoral Research Assistant (m/f/d)

at the Department of Applied Ecology (Professorship for Research into Climate Impacts)

Where? Geisenheim in the Rheingau region (50 km west of Frankfurt/Main)

When? Immediately

How? part-time basis (65%) for the period of three years (§ 2 para. 1 WissZeitVG).

In a joint project on **strategies for CO₂ removal from the atmosphere** funded by the **BMBF (German Federal Ministry of Education and Research)**, researchers from Geisenheim University (HGU), the University of Hamburg, the Potsdam Institute for Climate Impact Research and the Ithaka Institute will explore synergies of combining two methods of "carbon dioxide removal" (CDR) – the use of biochar and rock flour in agriculture.

The joint project "Pyrogenic carbon and mineral weathering ("PyMiCCS") for accelerated plant growth and carbon removal and storage" is embedded in the CDRterra research network (<https://cdrterra.de/en>). In our subproject 3, the candidate on the HGU side applies methods of crop science (soil science, plant nutrition), greenhouse gas flux measurements, and uses stable isotopes (¹³C-CO₂) to quantify C input and fate in soils.

Your tasks – our joint progress.

- Independent implementation of pot experiments with and without plants in the greenhouse and in the field incl. soil and plant physiological measurements
- Measurement and calculation of fluxes of the greenhouse gases CO₂, N₂O and CH₄ using the closed-chamber method
- Carrying out measurements accompanying the experiments in the laboratories of the project partners in Hamburg (short research visits)
- Statistical and graphical processing of the collected data, publication of the obtained results in technical articles and their presentation at project meetings and conferences
- Substantial participation and support of the project management in administrative procedures as well as proactive communication with project and research partners

- (Co-)supervision of student theses (BSc, MSc)

Your competence – our requirements.

- Completed scientific university studies (Master's degree or university diploma) in biology, agricultural sciences, biogeochemistry, soil science or geosciences (with a focus on soil) or comparable studies
- Good knowledge of graphic design and statistical software, e.g. use of the programming language R
- Initial experience with scientific publishing or greenhouse gas flux measurements is an advantage
- Problem-oriented, independent, reliable and systematic way of working
- High level of communication and teamwork skills, interest in CDR and science communication
- Good to very good knowledge of German and/or English, both written and spoken; if necessary, willingness to learn German as a foreign language

Our offer – your chance.

- *Security* – employment in the public sector with remuneration (depending on professional experience and qualifications) up to pay group 13 TV-H and a company pension scheme
- *Prospects* – personal, needs-oriented support through extensive training and continuing education opportunities. Within the framework of this project, admission to a separate doctoral training program of the CDRterra network will take place
- *Flexibility* – individual working time models (work-life balance), in principle possibility of mobile working after training, and 30 vacation days
- *Mobility* – Hessen 2023 state ticket for free use of local and regional public transport throughout Hessen
- *Feel-good factor* – Feeling of togetherness as "Geisenheimer:innen" due to familial environment on a green campus with listed parks and buildings, paired with Rheingau cordiality

Does this sound exciting to you? Then please send your application (as a PDF file) to bewerbung@hs-gm.de by **19th February 2023** quoting the reference number 03/2023. We look forward to hearing from you! For initial questions (also regarding the processing of application data, see data protection information/application data), please contact the following persons:

<p><u>Job Application Management</u> Frau Aline Wenzl/Frau Klein Tel.: 06722 502-224/226 E-Mail: bewerbung@hs-gm.de</p> <p>Hochschule Geisenheim Sachgebiet Personalmanagement, Von-Lade-Straße 1, 65366 Geisenheim</p>	<p><u>Department of Applied Ecology</u> Frau Prof. Dr. Kammann Tel.: 06722 502-755 E-Mail: claudia.kammann@hs-gm.de</p>
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The university promotes equality between women and men. Applications from women are therefore particularly welcomed. In the case of equal suitability, people with disabilities (as defined by § 2 Para. 2 and 3 SGB IX) will be given preferential consideration. Please enclose a copy of your disabled person's identity card with your application.

Your personal data from the application will be processed in accordance with Art. 88 Para. 1 DSGVO in conjunction with. § 23 para. 1 and 8 p. 2 HDSIG.