Employee Vertical Farming (m/f/d)

17.07.2023, Non-scientific employee

The Chair of Digital Agriculture is currently seeking a full-time employee for the position of Vertical Farming Specialist (m/f/d).

The Chair of Digital Agriculture (TUM) conducts research in the field of Vertical Farming, focusing on the yield potentials of crops such as wheat plants. In a completely enclosed indoor farming system, climate parameters such as temperature, light spectrum, and CO2 are precisely adjusted to the growth stages of the plants, allowing for significant increases in yields per area and time. As such, the Chair addresses an innovative specialized area in science and is part of the international community of leading experts in the field.

Responsibilities

- You will be responsible for conducting plant experiments in climate chambers. This includes all activities from sowing to harvesting, as well as pre- and post-experiment preparations (e.g., sowing, irrigation, nutrient solutions & hydroponics, harvesting, equipment cleaning, etc.). Through regular inspections and intensive monitoring of the experiments, you will ensure that everything proceeds according to plan.
- You will collect diverse data from the plant populations and document them for further scientific processing in databases and online tools.
- You will take care of the installed sensors that automate data collection, ensuring that they function properly.
- You will procure materials for the experiments, set up equipment, and maintain order in the experimental rooms and storage areas.
- You will undertake additional tasks related to research, teaching, and organization within the Chair.

Requirements

- You have a bachelor’s degree in agricultural or horticultural sciences, or a related field, or you have extensive experience working with plants. Knowledge in research or laboratory work is advantageous.
- You enjoy working with your hands and prefer being in the experiments rather than sitting at a computer workstation all the time. You are passionate about plant growth.
- You are interested in technology and sensors and possess manual skills.
- You are motivated to contribute your own creative and innovative proposals for optimizing processes, technical systems, or experimental setups, for example.
- Working independently and conscientiously in a small team is not a problem for you. The position requires lifting and carrying, as well as flexibility.
We offer

You can expect the opportunity to participate in forward-thinking research questions and be part of a dynamic research group as a team player. The position is full-time and initially limited to 2 years, with the possibility of extension. Payment will be based on the Collective Agreement for the Civil Service of the Länder (TV-L). The workplace is located in Dürnast, 85354 Freising. The position is available immediately. TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. The position is suitable for disabled persons. Disabled applicants will be given preference in case of generally equivalent suitability, aptitude and professional performance.

Application

We look forward to receiving your meaningful application by August 4th, 2023. Please send your complete application documents to sebastian.eichelsbacher@tum.de. We are also happy to answer any questions you may have about the position and responsibilities.

Data privacy

As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at https://portal.mytum.de/kompass/datenschutz/Bewerbung/. By submitting your application, you confirm to have read and understood the data protection information provided by TUM. If you apply in writing, we request that you submit only copies of official documents, as we cannot return your materials after completion of the application process.