



# JULIAN SIEBERT

Plant Technologist (B.Sc.)

## CONTACT

 Julian Siebert

## SKILLS

### Soft Skills

Scientific Writing, Teamwork, Knowledge Transfer

### Experimental Work

Experimental Design, Field Trials, Greenhouse Experiments

### Analytical Methods

Statistical Modeling, Exploratory Data Analysis, Meta-Analysis, Laboratory Work (Microscopy, PCR)

### Data Management

Databases, Data Pipelines, Process Automation, Version Control

### Programming

R, Python, SQL, Docker, Git

## ABOUT ME

As a Plant Technology student, I have focused strongly on acquiring fundamental biological knowledge and scientific methodology. My experience in managing field and greenhouse trials has sharpened my focus on experimental design, data management, and statistical analysis. Through critical thinking, methodical work, and the use of modern technologies, I aim to contribute to making research successful and reproducible.

## EDUCATION

### Master of Science - Applied Plant Sciences

Osnabrück University of Applied Sciences - Osnabrück, Germany

2025 - Present

Specialization in Biotechnology. Currently in thesis topic selection phase

### Bachelor of Science - Plant Technology

Osnabrück University of Applied Sciences - Osnabrück, Germany

2019 - 2025

Projects in plant breeding and statistics.

Bachelor thesis: "Comparative Analysis of Statistical Methods for Non-Parametric and Ordinal Data in Agricultural Research"

### Paramedic

Johanniter Academy - Leipzig, Germany

2012 - 2013

Completed - Experience in emergency response and intensive care medicine

### Secondary Education - General Higher Education Entrance Qualification

Evangelical School Center - Leipzig, Germany

2000 - 2012

Advanced courses: German and Chemistry.

Activities: Student Representative (Upper School) and Chemistry Working Group

## WORK EXPERIENCE

### Working Student - Research and Development

Pflanzentheke GmbH, 64653 Lorsch

Feb 25 - Aug 25

Work in greenhouse and cultivation automation of hydroponic systems. Development, evaluation, and documentation of a transpiration algorithm for predicting water uptake in plant populations. Support in experimental work.

### Working Student - Research and Development

SeedForward GmbH, 49078 Osnabrück

Oct 23 - Dec 24

Planning, supervision, and evaluation of greenhouse and field trials with particular focus on data management, acquisition, and administration. Creation of statistical analyses and process automation.

**Research Assistant****May - Jun 23****Osnabrück University of Applied Sciences, Applied Poultry Science Group**

Statistical analysis of observational data (10 years) and report preparation on relevant findings.

**Research Assistant****Oct 22 - Mar 23****Osnabrück University of Applied Sciences, Chair of Sustainable Turf Management**

Statistical analysis of field trial data on the influence of UV-C treatment on fungal pathogen occurrence under high nitrogen fertilization regimes and project final report preparation in English.

**Internship - Part-time****Mar - May 23****Pflanzentheke GmbH, 64653 Lorsch, Germany**

Supervision of practical and research trials. Design of experimental setup, data collection, and management. Trial evaluation and report preparation.

**Self-Employed - Part-time****Nov 20 - Feb 24****Kulturbaum (Proprietor: Julian Siebert), Nationwide Germany**

Care of standard fruit trees and training activities for the Thuringia Fruit Tree Pruning School ([obstbaumschnittschule.de](http://obstbaumschnittschule.de)). Special focus on teaching plant physiological fundamentals, site assessment, and climate change impacts on extensive orchards. Lecture activities on climate change impacts and potential adaptation measures.

## **PRESENTATIONS**

**Climate Change - Strategies in Traditional Orchard Management****Nov 9, 2022****National Traditional Orchard Congress Erfurt**

Technical presentation on potential impacts of climate change on extensive orchards and possible adaptation measures for the Association for Promotion of the Working Group on Peasant Agriculture (ABL) Central Germany.

**Climate Change - Strategies for Traditional Orchard Management****May 6, 2022****1st Traditional Orchard Conference in St. Marienthal**

Technical presentation on potential impacts of climate change on extensive orchards and possible adaptation measures for the Upper Lusatian Traditional Orchards Competence Center.