

Bachelor thesis / Student assistant (Hiwi) on sustainable 3D printing

Title: "Development of sustainable materials for 3D printing"

Overview:

Join a cutting-edge research project focused on creating sustainable materials for advanced manufacturing at the **Chair of Organic Chemistry**. This project focuses on the **synthesis and development of bio-based materials designed for advanced 3D printing applications**. The project aligns with current efforts to replace fossil-based raw materials with sustainable alternatives, contributing to environmentally friendly manufacturing practices.

Key highlights:

- Work on creating innovative materials from renewable resources.
- Learn and apply synthesis techniques and material analysis methods.
- Explore applications in cutting-edge systems for 3D printing.

Skills you'll develop:

- Hands-on experience with organic synthesis techniques.
- Material analysis using state-of-the-art equipment.
- Insight into polymer science and sustainable manufacturing.

Who should apply:

- Bachelor's students in **Chemical Engineering**, or related fields.
- Enthusiastic about sustainable materials and eager to learn practical lab skills.

Supervision and support:

You will work closely with a Ph.D. researcher and be part of an interdisciplinary team in a collaborative research environment.

If interested, please send your CV with research interests and a list of experimental and methodological skills to saeid.ghanbari@ovgu.de.

