

We are a leading research organisation in the area wood and wood-related renewable resources in Europe. Our core competences are materials research and process technology along the complete value chain – from raw material to finished products. More than 120 highly qualified researchers are developing methods and basics and perform applied research on the economy-science interface, in order to enable resource-efficient management in the circular bioeconomy.

For support in the numerous research projects we are looking for a:

Master thesis – 40h/week (f/m/d)

Starting date: September 1st, 2026

(fixed-term contract: 6 months)

Topic: Biomass fractionation of agricultural residues for biorefinery valorisation using green chemistry

Your responsibility:

- Fractionation of agricultural residues using chemical-free methods and green solvents
- Optimisation of process conditions using statistical methods and Design of Experiments
- Detoxification and enzymatic conversion of carbohydrate streams
- Characterisation of biopolymers and evaluation of conversion efficiencies

Your qualifications:

- Ongoing master's degree in biotechnology, chemistry, or process engineering
- Theoretical and practical knowledge in biomass and biomass conversion technologies is an advantage
- Strong interest in sustainable processes and applied research
- Structured, reliable, and independent working style

Your benefits:

- Flexible and family friendly working hours (flexitime, time off)
- Possibility for home office
- An international, motivated team and a highly active scientific environment
- Work in basic and industry-related projects
- Modern laboratories and pilot plants
- Attractive working environment and modern offices
- Public transport connection and parking spaces
- Gross monthly salary based on 40h/week from EUR 540,00 (14 x per year)

Place of employment:

Linz, Upper Austria

Contact:

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Please send your application via e-mail to: E-Mail: s.espana-orozco@wood-kplus.at