

Master Thesis

Biomass | Multiphase catalysis | Reaction engineering

Intensified Production of 5-HMF and Furfural from Biomass in Innovative Multiphase Systems

The Multiphase Catalysis Group in the department of Molecular Catalysis at the Max Planck Institute for Chemical Energy Conversion (MPI CEC) is currently looking for a master student interested in conducting research in the field of catalysis and reaction engineering.

Your thesis: As part of the Hermann Neuhaus Project you will be working on the process development and downstream processing in the dehydration reaction of different sugars to produce value-added furans.

We offer:

- A green and sustainable chemistry related project
- Work directly on the interface between research and industry
- A fun international environment at a great institution, with state-of-the-art laboratories with the latest analytics, which were opened less than a year ago
- HiWi contract and salary for 6 months

Requirements:

- Basic knowledge in homogeneous catalysis and industrial chemistry
- Motivation to work experimentally on a continuously operated pilot plant
- A good level of spoken English

If this description sounds like you and you are in for doing your thesis with us, do not hesitate to contact me with a short description of your background and interests and why you want to join the team.

