



MAX-PLANCK-GESellschaft



MAX-PLANCK INSTITUT FÜR
CHEMISCHE ENERGIEKONVERSION

Master or Bachelor Thesis catalysis | process intensification

Our group:

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 students interested in conducting research in the field of catalysis and reaction engineering. Bachelor and Master students as well as researchers are most welcome.

Our research is focused on green chemistry, catalysis and process intensification. We work at the interface between chemistry and engineering and therefore offer a very versatile work environment. Projects include the development of new reactions, design of suitable catalysts, and scale-up of processes into continuously operated miniplants.

Your thesis:

The topic will be in the field of catalytic hydrogenation or dehydrogenation of functional groups in single or multiphase media. The goal of the work will be to continue the development in an already existing project and to unfold the full potential by optimizations and new developments.

What do we offer?

- Working under inert conditions
- Work with a microwave reactor
- Work with high pressure reactions in autoclave reactors
- GC/GC-MS and NMR analytics

What do we require?

- Interest in the field of homogenous catalysis and technical chemistry
- Since we have quite an international work environment some experience in English is appreciated

If this advertisement has caught your attention and you are interested in finding out more details and joining the team, please do not hesitate to contact me with a brief description of your background and person and why you would like to join us:

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