

Graz University of Technology
Institute of Chemical Engineering and Environmental Technology
Working Group Fuel Cell and Hydrogen
Assoc.-Prof. Dr. Viktor Hacker

The **Working Group Fuel Cell and Hydrogen** at Graz University of Technology is an internationally recognized research group with over 20 years of expertise in national and transnational research projects. The fundamental and industry-related research focuses on novel, sustainable hydrogen technologies as well as on the development of components, catalysts and testing methods for low-temperature fuel cells.

To expand our scientific team in a new research project we are searching for a

University project assistant (PhD position)

for 40 hours per week starting May to June 2021.

Your field of activity:

- Fundamental scientific research on material development and reaction kinetics of metal oxides for chemical looping processes
- Development of novel materials for fixed- and fluidized bed chemical looping processes
- Physical and chemical characterization and long-term testing of optimized metal oxides
- Analysis and modelling of degradation mechanisms within a reaction kinetic model
- Authoring and publishing of scientific articles in high-quality peer-reviewed journals

Your profile:

- Master's degree in chemistry or chemical engineering (or equivalent)
- Knowledge in materials science, reaction engineering and chemical thermodynamics
- General interest in the subject area of novel negative-emission technologies
- Commitment, flexibility and reliability
- Organizational talent, communication skills and good appearance
- Excellent knowledge of MS-Office
- Knowledge on process simulation software
- Languages: English, German

We offer:

- Exciting work in an emerging field of research
- Over 20 years of expertise on scientific research in the field of fuel cell technologies
- Excellent working atmosphere among young and motivated researchers and pleasant working environment
- Excellent lab infrastructure and hands-on-experience in practical applications

The minimum monthly salary for this position is € 2.971,50 gross (14x p.a., classification B1 according to the collective agreement for university employees) and may be increased based on collective agreement regulations through crediting of job-specific experience or other remuneration components.

Please send your comprehensive application documents and any queries to:

Prof. Viktor Hacker

Inffeldgasse 25/C/IV, A-8010 Graz

viktor.hacker@tugraz.at

T: +43 (316) 873 - 8780