

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 material and catalyst development as well as testing methods for low-temperature fuel cells and novel, sustainable hydrogen technologies.

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 in spring 2021.

Your field of activity:

- Scientific research on catalysts for Polymer Electrolyte Fuel Cells (PEFCs).
- Development of synthesis routes for cost- and corrosion resistant catalysts for the oxygen reduction reaction (ORR) using semi-conductive polymers.
- Ex-situ experimental analysis of prepared catalysts and electrodes with electrochemical- and physicochemical methods (RDE-CV, TEM, XRD, IR etc.).
- Manufacturing of membrane electrode assemblies for in-situ performance assessment
- Publishing in high-quality peer-reviewed journals

Your profile:

- Master's degree in chemistry, technical chemistry or chemical engineering (or equivalent)
- Knowledge in electrochemistry, electrochemical kinetics, polymer- and material science
- Good knowledge on electrochemical- and physicochemical characterization methods
- General interest in the subject area of novel, sustainable energy technologies
- Commitment, flexibility and reliability
- Organizational talent, communication skills and good appearance
- Excellent knowledge of data evaluation software (e.g. Origin), MS-Office

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 € 2,929 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, +43 (316) 873 - 8780