

## Hiwi (f/m/d)

with background in Chemistry, Material Science or similar

### MOFs photocatalysts for treatment of wastewater

#### Context

During the past decade, numerous research studies have been conducted on the development of novel photocatalysts to exploit the solar energy for dealing with the environmental pollution crisis. In this context, metal-organic frameworks (MOFs) as photocatalysts have received significant attention due to their unique and outstanding properties. In this project, possible approaches will be evaluated to utilize the benefits of these photocatalysts for the treatment of wastewater in large-scale.



#### Your tasks

- Synthesis of MOFs photocatalysts
- Optimization of the synthesis parameters
- Investigation of the MOFs activity toward photocatalytic treatment of wastewater

#### Your profile

- You are interested in renewable energy and development of novel photocatalysts for environmental applications
- You are a well-organized, curious and enthusiastic student
- You work target-oriented and structured
- You enjoy working in the lab

#### The position

- We offer excellent working conditions in the interdisciplinary “electrochemical energy systems” EES group with a nice atmosphere
- Typical duration of the job is planned for three months
- The working language is English
- Earliest possible start is the 15<sup>th</sup> of April 2021
- Family friendly and flexible working hours

For more information feel free to contact us or visit

[www.ees-lab.org](http://www.ees-lab.org)

Please send your application via E-mail to

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