

Research, Informatics and Graduate Studies

<https://sites.gtiit.edu.cn/research/positions/rf-2024002/>

Research Fellow Position in Catalytic Hydrogenation of Biomass or Biomass-derived Platform Molecules into High-value Fine Chemicals. Contract duration: 2-3 years

The Chemical Engineering Program (group of Xi Gao), is looking for 1 research fellow to conduct research projects in the catalytic hydrogenation of biomass or biomass-derived platform molecules into high-value fine chemicals. Contract duration: 2-3 years

1. Catalytic hydrogenation of biomass or biomass-derived platform molecules into high-value chemicals, with application in polymer, cosmetic, pharmaceutical, and food, 2. Novel catalysts preparation and Characterization 3. DFT investigation of catalytic mechanism.

Project Details

The main objective of the project is to (1) Catalytic hydrogenation of biomass or biomass-derived platform molecules into high-value chemicals, with application in polymer, cosmetic, pharmaceutical, and food, (2) Novel catalysts preparation and Characterization (3) DFT investigation of catalytic mechanism.

Group Website: <http://gaoxlab.com>

2. Novel catalysts preparation and Characterization (2) DFT investigation of catalytic mechanism.

<http://gaoxlab.com>

Keywords

Catalytic Hydrogenation; Biomass; DFT; Machine Learning

Selection Criteria

- PhD or Master's degree in Chemical Engineering, Chemistry, Material Engineering, or in a relevant engineering and Science discipline (no more than 5 years after completed the doctoral degree)
- Strong background in catalysis (preferable)
- Good communication skills, good command of English (essential)
- Ability to work independently as well as in a team environment (essential)
- Ability to author/co-author high-quality scientific publications (essential)

Application

- Application deadline: Open till filled
- Contact: Prof. Xi Gao (Email: xi.gao@gtiit.edu.cn)

Program

Chemical Engineering

Contact

Assoc. Prof. Xi Gao

Email: xi.gao@gtiit.edu.cn

[Web Page Link](#)

Application Deadline

Open till filled

Date posted

March 1, 2024

Location

Guangdong Technion - Israel Institute of Technology (GTIIT), China & Technion-Israel Institute of Technology, Israel.