

Research, Informatics and Graduate Studies

https://sites.gtiit.edu.cn/research/?post_type=jobs&p=5516

PhD/Master (MSc) Positions in Environmental Engineering (GS-2022003) – Group of Assoc. Prof. Xiaowu Huang

Description

The Environmental Science and Engineering Program (group of Asst. Prof. Huang) is looking for passionate and highly motivated PhD/Master candidates who have interests in wastewater treatment and resource recovery.

Quota: 2-4.

GTIIT Webpage: <https://www.gtiit.edu.cn/en/viewStaff.aspx?staffNo=156>

Project Details

Our mission is to carry out R&D work towards energy-autarky and/or energy-positive WWTPs. The research topics include but are not limited to (1) biological wastewater treatment, e.g., mainstream anammox; and (2) resource recovery from biowastes (e.g., municipal sludge and kitchen waste), e.g., microbe-driven production of value-added products.

Keywords

Biological nitrogen removal; Anammox; Microbial community; Bioreactors; Anaerobic treatment; Resource recovery; Value-added products; Meta-omics

Selection Criteria

- Bachelor or Master's degree in Environmental Engineering, Environmental Science, or relevant fields
- Solid background in wastewater treatment and/or biowastes treatment
- Experiences in bioreactor operation, microbial analysis, and applications of UV, TOC, IC, HPLC, GC-MS, and TEM
- Good communication skills and good command of English
- Ability to work independently as well as in a team environment
- Ability to author scientific reports and publications
- The PhD/Master candidates must fulfill the requirements for admission to the Technion Graduate School and needs to comply with its regulations leading to the PhD/Master's degree:

<https://graduate.technion.ac.il/en/prospective-students/>

Application

- Application deadline: Open till filled
- Send below-required documents to Dr. Huang at xiaowu.huang@gtiit.edu.cn: 1) Curriculum vitae and personal statements; 2) Degree certificates with the Master/Bachelor degree

Other Positions

- Dr. Huang's group is also looking for passionate and highly motivated **postdoctoral fellows and research assistants**. Please contact Dr. Huang (xiaowu.huang@gtiit.edu.cn) for more information.
- Dr. Huang welcomes visiting students/scholars. Benefits will be provided

Position

PhD/Master

Program

Environmental Science and Engineering Research Group

Contact

Assoc. Prof. Xiaowu Huang

Email: xiaowu.huang@gtiit.edu.cn

[Web Page Link](#)

Application Deadline

Open till filled

Date posted

January 25, 2022

Location

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

[Fees & Finance](#)

How to Apply

depending on the qualifications of the candidates.