

# Research, Informatics and Graduate Studies

<https://sites.gtiit.edu.cn/research/positions/gs-2024001/>

## PhD Positions in Wastewater Treatment and Resources Recovery (GS-2024001) – Group of Dr. Xiaowu Huang

### Description

The Department of Environmental Science and Engineering (group of Dr. Huang) is looking for passionate and highly motivated PhD candidates who have interests in biological wastewater treatment and resources recovery from wastewater and biowaste.

**Quota: 2-4.**

### 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., sidestream anammox and mainstream anammox; and (2) resources recovery from wastewater (e.g., livestock wastewater, soybean wastewater and brewery wastewater) and biosolids (e.g., municipal sludge and kitchen waste), such as microbe-driven production of value-added products (e.g., PHAs, VFAs and proteins).

### Keywords

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

### Selection Criteria

- Master's degree in Environmental Engineering, Environmental Science, Biotechnology or relevant fields
- Solid background in wastewater treatment and/or biosolids treatment
- Vast experiences in bioreactor operation, microbial analysis, and applications of UV, TOC, IC, HPLC, and TEM
- Good communication skills and good command of English
- Ability to work independently as well as in a team environment

### Application

- Application deadline: Open till filled
- Send below documents to Dr. Huang at [xiaowu.huang@gtiit.edu.cn](mailto:xiaowu.huang@gtiit.edu.cn): 1) Curriculum vitae; 2) Two letters of recommendation (one from the mentor for Master); 3) Degree certificates for 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](mailto:xiaowu.huang@gtiit.edu.cn)) for more information.
- Dr. Huang welcomes self-funded students, CSC-funded students, and visiting students/scholars. Salary and benefits will be provided depending on the qualifications of the candidates.

### Position

PhD

### Program

Environmental Science and Engineering

### Contact

Assoc. Prof. Xiaowu Huang

Email: [xiaowu.huang@gtiit.edu.cn](mailto:xiaowu.huang@gtiit.edu.cn)

[Web Page Link](#)

### Application Deadline

Open till filled

### Date posted

January 11, 2024

### Location

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

### Fees & Finance

How to Apply