

Research, Informatics and Graduate Studies

https://sites.gtiit.edu.cn/research/?post_type=jobs&p=4898

PhD/Master (MSc) Positions in Environmental Engineering (GS-2021006) – Group of Dr. Xiaowu Huang

Description

The Environmental Science and Engineering Program (group of Dr. Huang) is looking for passionate and highly motivated PhD/Master students who have interests in biological wastewater treatment and biosolids-to-energy.

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., sidestream anammox and mainstream anammox; and (2) resource recovery from biosolids (e.g., municipal sludge and kitchen waste), such as microbe-driven production of value-added products and methane production with anaerobic digestion.

Keywords

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

Selection Criteria

- PhD Program: Master's degree in Environmental Engineering, Environmental Science, or relevant fields
- Master Program: Bachelor's degree in Environmental Engineering, Environmental Science, 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
- Ability to author scientific reports and co-author scientific publications
- PhD Program: Published at least one first-authored impactful research paper in SCI journal from previous research work
- 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 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) Three letters of recommendation (one from the mentor for Master and/or bachelor's studies); 3) Degree certificates with the Master/Bachelor degree

Position

PhD/Master

Program

Environmental Science and Engineering Research Group

Contact

Dr. Xiaowu Huang

Email: xiaowu.huang@gtiit.edu.cn

Application Deadline

Open till filled

Date posted

July 19, 2021

Location

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

[Fees & Finance](#)

How to Apply

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@gtit.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.