**Ph.D. Positions in Environmental Biotechnology**

Dr. Samir Kumar Khanal’s research group (<https://ce.hkust.edu.hk/people/samir-kumar-khanal>) in the Department of Civil and Environmental Engineering at the Hong Kong University of Science and Technology (HKUST) invites applications for multiple fully funded PhD positions starting immediately. HKUST provides highly competitive stipend and other benefits. Selected students will have opportunity to conduct research in state-of-the-art lab.

***Research Focus:***

The selected candidate will be engaged in cutting-edge research in the following areas:

·      Anaerobic digestion (AD) and resource recovery

·      Aquaponics and nutrient recovery

·      Nanobubble technology for environmental and agricultural applications

·      Applications of artificial intelligence in biological waste treatment

These interdisciplinary projects will involve close collaboration with several faculty members within the dept and international research partners.

***Qualifications:***

·      A master’s degree in civil, environmental, bio/chemical engineering, or a closely related field.

·      A strong background in biological and/or environmental engineering principles is preferred.

·      Prior research experience in one or more of the listed research areas is highly desirable.

·      Hands-on experience with laboratory-scale experimental systems, especially anaerobic digestion, is strongly preferred.

·      Familiarity with analytical instrumentation and microbial community analysis techniques is advantageous.

***Desired Attributes:***

·      Highly motivated and enthusiastic about conducting interdisciplinary research.

·      Strong ability to work independently as well as collaboratively within a team.

·      Excellent communication and organizational skills.

***Application Procedure:***

To apply, please email the following documents as a single PDF file to Dr. Samir K. Khanal at [cekhanal@ust.hk](mailto:cekhanal@ust.hk) by June 30, 2025:

·      A cover letter describing your motivation, qualifications, and research interests

·      A short CV or Bio

·      A list of publications, if available

·      Names and contact information of three academic referees