

CHAN Chuk Man

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WORK

- **2026 – Present** **Hong Kong Baptist University**
Research assistant, Department of Biology
- Working on project entitled Diversity, abundance and distribution of epibenthic fauna from western Lantau waters

EDUCATION

- **2022 - 2025** **Hong Kong University of Science and Technology (HKUST)**
Bachelor of Science in Ocean Science and Technology

RESEARCH INTERESTS

- Marine ecology, Conservation, Biodiversity

PUBLICATIONS

- Pang, M., Gao, Z., Huang, L., **Chan, C. M.**, Zhang, X., Su, R., Pan, K., & Liu, H. (2025). Adaptation of Marine Heterotrophic Protists to Long-Term Warming Selection. **Global change biology**, 31(6), e70280. <https://doi.org/10.1111/gcb.70280>

RESEARCH EXPERIENCE

Student helper, Department of Ocean Science, The Hong Kong University of Science and Technology

- **Apr 2023 - Apr 2024** **Study on the effect of long-term warming on marine heterotrophic protists**
Supervisor: Prof. Hongbin Liu, Chair Professor, Department of Ocean Science, The Hong Kong University of Science and Technology
 - Contributed to the paper “Adaptation of Marine Heterotrophic Protists to Long-Term Warming Selection” published in *Global change biology*.
 - Conducted experiments including cell size analysis using flow cytometry; cellular carbon and nitrogen content measurement by CHNS elemental analyzers; growth rate measurements through microscopic image counting; ingestion rate measurement using fluorescently labeled bacteria.
 - Assisted in the maintenance of marine heterotrophic protists (*Cafeteria burkhardae*, *Paraphysomonas foraminifera*, *Paraphysomonas sp.*, *Paraphysomonas imperforate*, *Pseudocohnilembus persalinus*, *Uronema marinum*).
 - Participated in temperature adaptation and acclimation experiment of marine heterotrophic protists.
- **May 2024 - Aug 2024** **Sampling, recording, and maintaining of hydrozoa in the laboratory**
Supervisor: Prof. Longjun Wu, Assistant Professor, Department of Ocean Science, The Hong Kong University of Science and Technology
 - Maintained live cultures of diverse hydrozoan species, including *Clytia sp.*, *Obelia sp.*, *Hydractinia minima*, *Olindias sp.*, and *Paralovenia sp.*
 - Separated planula of *Turritopsis pacifica* from bought seawater, which was then settled down and maintained in the laboratory.
 - Conducted zooplankton sampling at HKUST pier using tow nets, specializing in hydrozoan collection.
 - Identified and recorded the hydrozoa collected by morphology under stereomicroscope.

Final Year Project, The Hong Kong University of Science and Technology

• Sep 2024 – May 2025 Times series of zooplankton at HKUST Pier

Supervisor: Prof. Longjun Wu, Assistant Professor, Department of Ocean Science, The Hong Kong University of Science and Technology

- Conducted high-frequency zooplankton monitoring (3x weekly) at HKUST pier using plankton nets, with concurrent collection of physicochemical parameters (temperature, DO, depth, pH, turbidity, salinity).
- Performed taxonomic identification and quantification of zooplankton to lowest practicable taxonomic level using stereomicroscope.
- Conducted measurement of chlorophyll-a and nutrients (NO_3^- , NO_2^- , NH_4^+ , PO_4^{3-} , SiO_4^{4-}) by spectrophotometry.
- Conducted measurement of total nitrogen (TN) by Shimadzu TOC-L series TOC analyzer.