DAI Qi

PhD student

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Supervisor: Prof. QIU Jianwen (HKBU)

EDUCATION BACKGROUND

2023– now, PhD., Biology, Department of Biology, Hong Kong Baptist University

2017/09– 2020/09, M.Phil., Department of Marine Biology, College of Ocean & Earth Sciences, Xiamen University

2013/09– 2017/06, B.Sc., College of Ocean & Earth Sciences, Xiamen University

2010/09– 2013/06, High school student, Benxi First High School

WORK EXPERIENCE

2022/01– 2022/12, Research Assistant., HKBU Institute for Research and continuing education

RESEARCH INTERESTS

Marine Biology (Benthic invertebrates);

Population Genetics; Bioinformatics;Biochemical Ecology

ACADEMIC ACTIVITIES

2024/05, 9th Youth Earth Science Forum, Xiamen University, China. Poster presentation: Comparative population genetics of two alvinocarid shrimp species inhabiting deep-sea vent and seep ecosystems in the Western Pacific

2024/05, Introduction to Palaeogenomics, Transmitting Science, Spain

2025/01, 17th Deep-Sea Biology Symposium, Hong Kong, China, Oral presentation: Advancing Deep-Sea Mollusk Shell Genomics: Insights from the Clam *Archivesica marissinica*

2025/05, Forum on International Day for Biological Diversity 2025 Nature Education Forum, Hengqin, Oral Presentation: Morphological, mitogenomic, and phylogenetic analyses of a new Alvinocaris species from the Site F hydrocarbon seep in Southwest Pacific

2025/06, Workshop on Molecular Evolution, Marine Biology Laboratory, USA

PUBLICATIONS

- **Dai Q**. Ting Xu, et al., (2025) Comparative Population Genetics of Two Alvinocaridid Shrimp Species in Chemosynthetic Ecosystems of the Western Pacific. *Integrative zoology*.

- **Dai Q**, Wang Z X, et al., (2021). 2-Arachidonoylglycerol as an endogenous cue negatively regulates attachment of the mussel *Perna viridis*. *Frontiers in Marine Science*.
- He J., **Dai Q**., et.al., (2019). Bacterial nucleobases synergistically induce larval settlement and metamorphosis in the invasive mussel *Mytilopsis sallei*. *Applied and environmental microbiology*, AEM-01039.
- He J., **Dai Q**., et.al., (2019). Aggregation pheromone for an invasive mussel consists of a precise combination of three common purines. *iScience*, 19, 691-702.