

## Li Yixuan

★ PhD Candidate

★ Department of Biology, Hong Kong Baptist University

★ Email: [liyixuan@life.hkbu.edu.hk](mailto:liyixuan@life.hkbu.edu.hk)

★ Supervisor: Prof. QIU Jian-Wen



---

### EDUCATION

**Hong Kong Baptist University, Ph.D. student**, Biology, Sept 2020-Present

**First Institute of Oceanography, Ministry of National Resources, M. Sc.**, Marine Biology, Sept 2017-June 2020

**Hainan University, B. Sc.**, Marine Science, Sept 2013-Jun 2017

### RESEARCH INTERESTS

Phylogenetics, Population genetics, Marine Biodiversity

### ACADEMIC ACTIVITIES

- ◇ 25<sup>th</sup> EMBL PhD Symposium, 20<sup>th</sup> -22<sup>nd</sup> Nov 2023, Heidelberg, Germany.
- ◇ SMBE23, 23<sup>rd</sup>-27<sup>th</sup> July 2023, Society of Molecular Biology and Evolution, Ferrara, Italy.
- ◇ Workshop on Molecular Evolution, 26<sup>th</sup> May– 5<sup>th</sup> June 2023, Molecular Biology Laboratory, Woods Hole, USA
- ◇ Molluscan Forum, 17<sup>th</sup> Nov 2022, London, UK
- ◇ 2nd International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, 13-15<sup>th</sup> Jul 2022, Hong Kong, China
- ◇ The Second International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems, 3-7<sup>th</sup> Jan 2022, Hong Kong, China
- ◇ 1st International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, 12-14<sup>th</sup> Jul 2021, Hong Kong, China

### RECENT HONOR & AWARDS

- ◇ Best Presentation Award for Postgraduates, 2nd International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, Jul 2022
- ◇ Best Presentation Award for Postgraduates, 1st International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, Jul 2021

### PUBLICATIONS

- ◇ Dong Y, **Li Y-X**, Ge M, Takatsu T, Wang Z, Zhang X, Ding D, Xu Q. 2023. Distinct gut microbial communities and functional predictions in divergent ophiuroid species: host differentiation, ecological niches, and adaptation to cold-water habitats. *Microbiology Spectrum*. 11(6):e0207323.
- ◇ He X, Xu T, Chen C, Xu L, **Li Y-X**, Zhong Z, Gu X, Lin Y-T, Lan Y, Yan G, Sun Y, Qiu J-W, Qian P-Y, Sun J. 2023. Same (sea) bed different dreams: Biological community structure of the Haima seep reveals distinct biogeographic affinities. *The Innovation Geoscience*. 1(2):100019.
- ◇ Li YL, He X, Lin Y, **Li Y-X**, Kamenev GM, Li J, Qiu J-W, Sun J. 2023. Reduced chemosymbiont genome in the methane seep thyasirid and the cooperated metabolisms in the holobiont under anaerobic sediment. *Molecular Ecology Resources*. 00:1–15
- ◇ Lin Y-T, **Li Y-X**, Sun Y, Tao J, Qiu J-W. 2023. A new species of the genus *Catillopecten* (Bivalvia: Pectinoidea: Propeamussiidae): morphology, mitochondrial genome, and phylogenetic relationship. *Frontiers in Marine Science*. 10:1168991.
- ◇ **Li Y-X**, Sun YN, Lin Y-T, Xu T, Ip JCH, Qiu J-W. 2023. Cold Seep Fauna. In: Chen DF and Feng D (Eds.) *South China Sea Seeps*. Springer Nature Singapore Pte.
- ◇ **Li Y-X**, Zhang YJ, Ip JCH, Liu J, Chen C, Little CTS, Yokoyama Y, Yasuhara M, Qiu J-W. 2023. Phylogenetic context of a deep-sea clam (Bivalvia: Vesicomysidae) revealed by DNA from 1,500-years-old shells. *Zoological Research* 44(2): 353–356.
- ◇ Ge ML, Mo J, Ip JCH, **Li Y-X**, Shi WG, Wang ZL, Zhang XL, Xu QZ. 2022. Adaptive biomineralization in two morphotypes of Sternaspidae (Annelida) from the Northern China Seas. *Frontiers in Marine Science* 9: 984989
- ◇ Li QH, **Li Y-X**, Na JY, Han XQ, Paterson GLJ, Liu K, Qiu J-W, Zhang DS. 2021. Description of a new species of *Histampica* (Ophiuroidea: Ophiothamnidae) from cold seeps in the South China Sea and analysis of its

mitochondrial genome. Deep Sea Research Part I: Oceanographic Research Papers 178:103658

- ✧ Dong Y, **Li Y-X**, He PQ, Wang ZL, Fan SL, Zhang ZX, Zhang X-L, Xu Q-Z. 2021. Gut Microbial Composition and Diversity in Four Ophiuroid Species: Divergence Between Suspension Feeder and Scavenger and Their Symbiotic Microbes. *Frontiers in Microbiology*. 12:645070
- ✧ Shi W-G, **Li Y-X**, Dong Y, Xin M, Zhang X-L, Xu Q-Z. 2021. The effect of ocean acidification on the enzyme activity of *Apostichopus japonicus*. *Fish & Shellfish Immunology*. 108:1-6
- ✧ Genelt-Yanovskiy E, **Li Y-X**, Stratanenko E, Zhuravieva N, Strekova N, Xu Q-Z, Nazarova S. 2021. Phylogeography of the Brittle Star *Ophiura sarsii* Lütken, 1855 (Echinodermata: Ophiuroidea) from the Barents Sea and East Atlantic. *Diversity*. 13(2): 40
- ✧ **Li YX**, Wang X-T, Dong Y, Fan SL, Xu QZ. 2020. The complete mitochondrial genome of *Ophiura kinbergi* (Ophiuroidea, Ophiurina): genome structure and phylogenetics. *Mitochondrial DNA Part B* 5(2):1309-1310
- ✧ **Li YX**, Dong Y, Xu QZ, Lin HS, Wang MH, and Zhang XL. 2020. Genetic differentiation and evolutionary history of the circumpolar species *Ophiura sarsii* and subspecies *Ophiura sarsii vadicola* (Ophiurida: Ophiuridae). *Continental Shelf Research*. *Continental Shelf Research*. 197:104085