

Mr. Yingdong Li

Email: ylifc@connect.ust.hk

Telephone: (+852)68810042

PG studies at HKUST

08.2016-09.2018	Hongkong university of science and technology LIU	Supervisor: Hongbin
	Master of Philosophy	
09.2018-present	Hongkong university of science and technology LIU	supervisor: Hongbin
	Doctor of Philosophy	

Papers and Publications at HKUST

1. Kang B., Li Y., Xi Y., Jun C., Lang W. 2016. Fabrication of PVDF/MWNTs-g-CDDAC hollow fiber ultrafiltration membranes with antibacterial and antifouling properties. **Royal Society of Chemistry. (Published; IF: 3.36)**
2. Jiang W., He H., Li Y., Ma Y., Zheng L., Yu W. 2016. Axonomic Status and Molecular Phylogeography of Two Sibling Species of *Polytremis* (Lepidoptera: Hesperidae). **Scientific Reports. (Published; IF: 4.379)**
3. Li, Y., Jing, H., Xia, X., Cheung, S., Suzuki, K., and Liu, H. 2018. Metagenomic insights into the microbial community and nutrient cycling in the western subarctic Pacific Ocean. **Frontiers in microbiology** 9:623. **(Published; IF: 5.26)**
4. Li, Y., L. Zheng, Y. Zhang, H. Liu, and H. Jing. 2019. Comparative metagenomics study reveals pollution induced changes of microbial genes in mangrove sediments. **Scientific reports** 9:1-11. **(Published; IF: 4.379)**
5. Jing, H., Y. Zhang, Y. Li, W. Zhu, and H. Liu. 2018. Spatial variability of picoeukaryotic communities in the mariana trench. **Scientific reports** 8:1-12. **(Published; IF: 4.379)**
6. Y. Li[†], Zou, D.[†], S. J. Kao, H. Liu, and M. Li. 2019. Genomic adaptation to eutrophication of ammonia-oxidizing archaea in the Pearl River estuary. **Environmental microbiology** 21:2320-2332. ([†]: Co-first author; **Published; IF: 4.933**)
7. Li, Y., N. Yan, T. Y. Wong, W.-X. Wang, and H. Liu. 2019. Interaction of antibacterial silver nanoparticles and microbiota-dependent holobionts revealed by metatranscriptomic analysis. **Environmental Science: Nano** 6:3242-3255. **(Published; Published; IF: 8.131)**
8. Guo, Z., Wang, Z., Li, Y., and Wang, Q. 2019. Effect of different concentrations of ozone on in vitro plant pathogens development, tomato yield and quality, photosynthetic activity and enzymatic activities. **Ozone: Science & Engineering** 41: 531-540. **(Published; IF: 2.567)**
9. Xu, Z., Li, Y., Lu, Y., Li, Y., Yuan, Z., Dai, M., and Liu, H. 2020. Impacts of the Zhe-Min

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Coastal Current on the biogeographic pattern of microbial eukaryotic communities. **Progress in Oceanography (Published; IF: 3.81)**

10. Li, Y., Jing, H., S.J., Zhang W. P. and Liu, H. 2020. Metabolic response of prokaryotic microbes to sporadic hypoxia in a eutrophic subtropical estuary. **Marine Pollution Bulletin (Published; IF: 5.538)**

11. Li, Y., Xu Z. and Liu, H. 2021. The stoichiometry of phytoplankton modulates nutrient absorption of bacteria inside Daphnia's gut. **BMC GENOMICS (Published; IF: 3.969)**

12. Xu, Z., Li, Y., Li, M., and Liu, H. 2021. Transcriptomic Response of Daphnia Magna to Nitrogen or Phosphorus Limited Diet. **Ecology and Evolution (Published; IF: 2.91)**

13. Chen J[†], Li Y.[†], Jing H., Zhang X., Xu Z., Xu J., Liu H. 2021. Genomic and transcriptomic evidence for the diverse adaptation of subclusters 5.2 and 5.3 Synechococcus to mesoscale eddies. **New phytologist (†: Co-first author; Published; IF: 10.151)**

14. Li, Y., W.-X. Wang, and H. Liu. 2021. Gut-microbial adaptation and transformation of silver nanoparticles mediated the physiology of Daphnia magna and offsprings. **Environmental Science: Nano (Published; IF: 8.131)**

15. Li, Y., Jing, H., Chen J, H. Liu. An overlooked evolutionary transitions of Thaumarchaeota from terrestrial habitats to methane-seep and partially methane-seep derived shallow water group. **(Under preparation)**

16. Li, Y., Jing, H., Xu Z., Zhang X., Chen J., Xu J. and Liu, H. Metabolic variation and biogeographic pattern of phytoplankton groups in cyclonic and anti-cyclonic ocean eddies. **(Under preparation)**

17. Li, Y., Jing, H., Chen J, H. Liu. The sediment microbiota in methane-seep. **(Under preparation)**

Professional experience:

1. July 2017 Attended the GRC/GRS meeting: Marine Molecular Ecology
2. June 2017 Attended the summer course of professor Hongbin Liu, Climate change and marine ecosystem
3. July 2018 Attended the GRC/GRS meeting: Ocean Biogeochemistry (Poster presentation)
4. Aug 2018 Attended the scientific cruise towards south china sea, cyclonic and anti-cyclonic Eddy targeting

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5. May-June 2019 Attended the international scientific cooperation in Greece for mesocosm experiment – AQUACOSM
 6. June 2019 Attended Society of Environmental Toxicology and Chemistry (SETAC) Asia Pacific ICMPE-9 meeting (Poster presentation)
 7. July 2019 Attended the GRC/GRS meeting: Marine Molecular Ecology (Poster presentation)
 8. Oct 2019 Attended the BFA (Boao Forum for Asia) meeting (Oral presentation)

Honour:

1. 2017 First prize in Marine Molecular Ecology summer course
2. 2019 First prize in BFA scientific presentation
3. 2019 First prize in SETAC scientific presentation
4. 2019 Selected as member of SETAC scientific community