SCIENTIFIC PUBLICATIONS

Peer-Reviewed Journals (IF: 2023)

1. Priyanka Muthu, Sakcham Bairoliya, Gowri Krishna Girija, Li-Chun Tseng, Bin Cao, Jiang-Shiou Hwang*****, **Ying-Ning Ho***. **2026**. Substrate-driven microbial diversity and functional potential of plastisphere biofilms in a dynamic coastal ecosystem of northeastern Taiwan. ***Environmental Pollution***, 389:127382. **(Co-corresponding author)**
2. Che-Chun Chen, Te-Hua Hsu, Hsin-Yun Lu, Sen-Lin Tang & **Ying-Ning Ho***. **2025**. High-quality chromosome-level genome of three *Meretrix* species using Nanopore and Hi-C technologies. ***Scientific Data***, 12(1):1141.
3. Che-Chun Chen, Yu-Ping Chen, Hsiao-Tsu Yang, Yu-Ling Chen, Chen-Wei Wu, Hong-Yi Gong, Yuan-Shing Ho & **Ying-Ning Ho***. **2025**. Temperature-dependent shifts in gut microbiota and metabolome of olive flounder (*Paralichthys olivaceus*): implications for cold-water aquaculture expansion and probiotic applications. ***Animal Microbiome***, 7(1):49.
4. Ning Han, ChongYang Yang, **Ying-Ning Ho***, Ryota Moriuchi, Che-Chun Chen, Chihiro Inoue, Mei-Fang Chien. **2024**. Complete genome sequence of *Pseudomonas moorei* strain m318 isolated from rhizosphere of *Pteris multifida* in high-arsenic-content soil. ***Microbiology resource announcements***, e0077424.
5. Gowri Krishna Girija, Li-Chun Tseng, Priyanka Muthu, Yu-Ling Chen, **Ying-Ning Ho***, Jiang-Shiou Hwang*. **2024**. Microbiome flexibility enhances the resilience of the potentially invasive coral *Tubastraea aurea* to abrupt environmental changes: Insights from a shallow water hydrothermal vent transplantation study. ***Science of the Total Environment,*** 954, 176792. **(Co-corresponding author)**
6. Che-Chun Chen, Chung-Yen Lin, Hsin-Yun Lu, Chyng-Hwa Liou, **Ying-Ning Ho**, Chang-Wen Huang, Zhong-Fu Zhang, Chih-Hsin Kao, Wen-Chin Yang and Hong-Yi Gong*. **2024.** Transcriptomics and gut microbiome analysis of the edible herb Bidens pilosa as a functional feed additive to promote growth and metabolism in tilapia (*Oreochromis* spp.). ***BMC genomics,*** 25:785.
7. Chen, C.-C., Lin, W.-H., Hsu, T.-H., & **Ying-Ning Ho*. 2024.** Complete genome sequence of a potential new species *Vibrio* sp. NTOU-M3 isolated from hard clam, *Meretrix taiwanica*, in Taiwan. ***Microbiology resource announcements***, e0081024. Advance online publication. https://doi.org/10.1128/mra.00810-24
8. Shih-Hsun Walter Hung, Pin-Hsien Yeh, Tsai-Ching Huang, Shao-Yu Huang, I-Chen Wu, Chia-Ho Liu, Yu-Hsi Lin, Pei-Ru Chien, Fan-Chen Huang, **Ying-Ning Ho**, Chih-Horng Kuo, Hau-Hsuan Hwang, En-Pei Isabel Chiang, Chieh-Chen Huang*. **2024**. A cyclic dipeptide for salinity stress alleviation and the trophic flexibility of endophyte provide insights into saltmarsh plant-

microbe interactions. ***ISME Communications***, ycae041. (IF: 5.1, Ecology, 85.8%)

9. Jiji Kannan, Ka-Lai Pang, **Ying-Ning Ho**, Pang-Hung Hsu* and Li-Li Chen*. **2024.** A Comparison of the Antioxidant Potential and Metabolite Analysis of Marine Fungi Associated with the Red Algae Pterocladiella capillacea from Northern Taiwan. ***Antioxidants***, 13(3), 336. (IF: 6, Chemistry & medicinal, 89.6%)
10. Hsiao-Tsu Yang, Yi-Hsuan Huang, **Ying-Ning Ho***. **2024.** *Oceanimonas pelagia* sp. nov., a novel biosurfactant producing and plastic-degrading potential bacterium isolated from marine coastal sediment. ***Antonie van Leeuwenhoek***,117:49. (IF: 0.98, Microbiology, 16.5%)
11. Gowri Krishna Girija, Li-Chun Tseng, Yu-Ling Chen, Pei-Jie Meng, Jiang-Shiou Hwang and **Ying-Ning Ho***. **2023.** Microbiome variability in invasive coral (*Tubastraea aurea*) in response to diverse environmental stressors. ***Frontiers in Marine Science***, 10:1234137. (IF: 2.8, MARINE & FRESHWATER BIOLOGY, 88.7%)
12. Priyanka Muthu, Yun-Cheng Lee, Gowri Krishna Girija, Yu-Ling Chen, **Ying-Ning Ho*** and Jiang-Shiou Hwang*. **2023.** Bacterial community responses of the hydrothermal vent crab *Xenograpsus testudinatus* fed on microplastics. ***Frontiers in Ecology and Evolution,*** 11:1203647. **(Co-corresponding author)** (IF: 2.4, ECOLOGY, 58.2%)
13. Chongyang Yang, Ning Han, Chihiro Inoue, Yu-Liang Yang, Hideaki Nojiri, **Ying-Ning Ho***, Mei-Fang Chien*. **2022**. Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by *Pteris vittata*. ***Journal of Hazardous Materials,*** 434: 128870. (IF: 12.2, Environmental Sciences, 96.8%) **(Co-corresponding author)**
14. Ching-Chih Lin, Sin Yong Hoo, Li-Ting Ma, Chih Lin, Kai-Fa Huang, **Ying-Ning Ho,** Chi-Hui Sun, Han-Jung Lee, Pi-Yu Chen, Lin-Jie Shu, Bo-Wei Wang, Wei-Chen Hsu, Tzu-Ping Ko, and Yu-Liang Yang*. **2022.** Integrated omics approach to unveil antifungal bacterial polyynes as acetyl-CoA acetyltransferase inhibitors. **Communications Biology,** 5(1), 1-8**.** (IF: 5.2, Biology, 88.5%)
15. Tse-Yen Liu, Chao-Han Chen, Yu-Liang Yang, Isheng J. Tsai, **Ying-Ning Ho***, and Chia-Lin Chung*. **2022.** The brown root rot fungus *Phellinus noxius* affects microbial communities in different root-associated niches of Ficus trees. ***Environmental microbiology,*** 24(1), 276-297. (IF: 4.3, Microbiology, 73%) **(Co-corresponding author)**
16. **Ying-Ning Ho***, Yu-Ling Chen, Ding-Yang Liu. **2021**. Portable and rapid sequencing device with microbial community guided culture strategies for precious field and environmental samples. ***mSystems,*** 6(4), e00748-21. (IF: 5, Microbiology, 82.3%) **(One of sponsored collections of *mSystems* 2021 early-career scientists)**
17. Shang-Tse Ho†, **Ying-Ning Ho**†, Chih Lin, Wei-Chen Hsu, Han-Jung Lee, Chia-Chi Peng, Han-Tan Cheng and Yu-Liang Yang*. **2021.** Integrated Omics Strategy Reveals Cyclic Lipopeptides

Empedopeptins from *Massilia* sp. YMA4 and Their Biosynthetic Pathway. ***Marine drugs,*** 19(4), 209. (IF: 4.9, Phamacology&Pharmacy, 87.4%) **(Co-first author)**

18. **Ying-Ning Ho**, Sin Yong Hoo, Bo-Wei Wang, Chi-Ting Hsieh, Ching-Chih Lin, Chi-Hui Sun, Chia-Chi Peng, Chih Lin, Yu-Liang Yang*. **2021**. Specific inactivation of an anti-fungal bacterial siderophore by a fungal plant pathogen. ***ISME Journal,*** 15(6), 1858-1861. (IF: 10.8, Ecology, 98.2%)
19. Chongyang Yang; **Ying-Ning Ho**; Chihiro Inoue; Mei-Fang Chien*. **2020.** Long-term effectiveness of microbe-assisted arsenic phytoremediation by Pteris vittata in field trials. ***Science of the Total Environment,*** 740, 140137**.** (IF: 8.2, Environmental Sciences, 91.5%)
20. Chongyang Yang, **Ying-Ning Ho,** Ryota Makita, Chihiro Inoue, Mei-Fang Chien*. **2020**. *Cupriavidus basilensis* strain r507 ' a potential toxic arsenic extraction helper, increases the accumulation of arsenic in *Pteris vittata*. ***Ecotoxicology and Environmental Safety***, 190, 110075. (IF: 6.2, TOXICOLOGY, 92.0%)
21. Chongyang Yang, **Ying-Ning Ho**, Ryota Makita, Chihiro Inoue, Mei-Fang Chien* **2020**. A multifunctional rhizobacterial strain with wide application in different ferns facilitates arsenic phytoremediation. ***Science of the Total Environment,*** 712, 134504. (IF: 8.2, Environmental Sciences, 91.5%)
22. Mei-Fang Chien, **Ying-Ning Ho**, Hui-Erh Yang, Masaru Narita, Keisuke Miyauchi, Ginro Endo, Chieh-Chen Huang*. **2019**. Identification of a Novel Arsenic Resistance Transposon Nested in a Mercury Resistance Transposon of Bacillus sp. MB24. ***Microorganisms,*** 7(11): 566. (IF: 4.1, Microbiology, 69.9%)
23. Chongyang Yang, Mei-Fang Chien, **Ying-Ning Ho**, Chihiro Inoue. **2019.** Phosphorus- and iron-deficiency stresses affect arsenic accumulation and root exudates in *Pteris vittata*. ***International Journal of Environmental Science and Development.*** 10: 12.
24. Mei-Fang Chien, **Ying-Ning Ho**, Hui-Tzu Lin, Kuo-Hsing Lin, Ginro Endo, Chieh-Chen Huang*. **2019**. MerB3, an organomercurial lyase of *Bacillus* as an antidote against organomercurial poisoning. ***Journal of Environmental Biotechnology.*** 19(1): 73-80.
25. **Ying-Ning Ho**, Hsin-Chi Tsai, Bing-Mu Hsu*, and Chien-Shun Chiou. **2018.** The association of *Salmonella enterica* from aquatic environmental and clinical samples in Taiwan. ***Science of the Total Environment.*** 15(624): 106-113. (IF: 8.2, Environmental Sciences, 91.5%)
26. **Ying-Ning Ho**, Lin-Jie Shu and Yu-Liang Yang*. **2017.** Imaging mass spectrometry for metabolites: technical progress, multimodal imaging and biological interactions. ***Wiley interdisciplinary Reviews-Systems Biology and Medicine.*** Doi: 10.1002/wsbm.1387. (IF: 7.9, medicine, research & experimental, 83.5%)
27. **Ying-Ning Ho,** Ming-Yuan Chou, Hsin-Chi Tsai, Tung-Yi Huang, Cheng-Wei Fan, and Bing-

Mu Hsu*. **2017**. Empirical testing of modified *Salmonella* MLST in aquatic environmental samples by *in silico* analysis. ***Science of the Total Environment*** 581-582:378-385. (IF: 8.2, Environmental Sciences, 91.5%)

28. Wen-Chien Huang, Yi-Pen Chou, Po-Min Kao, Tsui-Kang Hsu, Hung-Chang Su, **Ying-Ning Ho**, Yi-Chun Yang, Bing-Mu Hsu*. **2016**. Nested-PCR and TaqMan real-time quantitative PCR assays for human adenoviruses in environmental waters. ***Water Science and Technology***. 73(8): 1832-4. DOI: 10.2166/wst.2016.004 (IF: 2.7, Water Resources)
29. Wen-Chien Huang, Bing-Mu Hsu*, Po-Min Kao, Chi-Wei Tao, **Ying-Ning Ho**, Chun-Wei Kuo, Yu-Li Huang. **2016.** Seasonal distribution and prevalence of diarrheagenic *Escherichia coli* in different aquatic environments in Taiwan. ***Ecotoxicology and Environmental Safety.*** 124:37-41. (IF: 7.129, Environmental Sciences)
30. Chi-Wei Tao, Bing-Mu Hsu*, Po-Min Kao, Wen-Chien Huang, Tsui-Kang Hsu, **Ying-Ning Ho**, Yen-Ju Lu and Cheng-Wei Fan. **2016**. Seasonal difference of human adenoviruses in a subtropical river basin based on one-year monthly survey. ***Environmental Science and Pollution Research***. 23:2928–2936 (IF: 5.19, Environmental Sciences)
31. Zhon-Min Huang, Bing-Mu Hsu*, Po- Min Kao, Tien-Yu Chang, Tsui-Kang Hsu, **Ying-Ning Ho,** Yi-Chun Yang, Yu-Li Huang. **2015.** Prevalence, quantification and typing of human adenoviruses detected in river water in Taiwan. ***Environmental Science and Pollution Research.*** 22(11): 8359-8366. (IF: 5.19, Environmental Sciences)
32. **Ying-Ning Ho**, Chieh-Chen Huang*. 2015. Draft Genome Sequence of *Burkholderia cenocepacia* Strain 869T2, a Plant-Beneficial Endophytic Bacterium. ***Genome Announcements.*** 12;3(6). pii: e01327-15.doi:10.1128/genomeA.01327-15.
33. Dony Chacko Mathew, **Ying-Ning Ho**, Ronnie Gicaraya Gicana, Gincy Marina Mathew, Mei-Chieh Chien, Chieh-Chen Huang*. **2015.** A rhizosphere-associated symbiont, *Photobacterium* spp. strain MELD1, and its targeted synergistic activity for phytoprotection against mercury. ***Plos One.*** 10(3): e0121178.doi: 10.1371/journal.pone. 0121178 (IF: 3.752, Multidisciplinary Sciences)
34. **Ying-Ning Ho**, Hsing-Mei Chiang, Chih-Ping Chao, Ching-Chung Su, Hui-Fang Hsu, Chen-tong Guo, Ju-Liang Hsieh, Chieh-Chen Huang*. **2015**. *In planta* biocontrol of soil-borne Fusarium wilt of banana through a plant endophytic bacterium, *Burkholderia cenocepacia* 869T2. ***Plant and soil*** 387:295-306 (IF: 4.993, Agronomy)
35. **Ying-Ning Ho,** Ju-Liang Hsieh, Chieh-Chen Huang*. **2013**. Construction of a plant-microbe phytoremediation system: combination of vetiver grass with a functional endophytic bacterium, *Achromobacter xylosoxidans* F3B, for aromatic pollutants removal. ***Bioresource Technology*** 145:43-47. (IF: 11.889, Environmental Engineering)
36. **Ying-Ning Ho**, Dony C Mathew, Shu-Chuan Hsiao, Chun-Hao Shih, Mei-Fang Chien, Hsing-

Mei Chiang, Chieh-Chen Huang*. **2012**. Selection and application of endophytic bacterium *Achromobacter xylosoxidans* strain F3B for improving phytoremediation of phenolic pollutants. ***Journal of Hazardous Materials*** 219-220:43-49. (IF: 14.224, Engineering, Civil)

37. **Ying-Ning Ho,** Chun-Hao Shih, Shu-Chuan Hsiao, Chieh-Chen Huang*. **2009.** A novel endophytic bacterium, *Achromobacter xylosoxidans*, helps plants against pollutant stress and improves phytoremediation. ***Journal of Bioscience and Bioengineering*** 108: 94. (Part of special issue: APBioChEC2009) (IF: 3.185, Biotechnology & applied microbiology)
38. Fo-Ting Shen, Jyun-Liang Lin, Chieh-Chen Huang, **Ying-Ning Ho**, A.B. Arun, Li-Sen Young, Chiu-Chung Young*. **2009**. Molecular detection and phylogenetic analysis of the catechol 1,2-dioxygenase gene from *Gordonia* spp. ***Systematic and Applied Microbiology*** 32: 291-300. (IF: 4.064, Biotechnology & applied microbiology)

Non-Sci Journals

1. 劉則言、**何櫻寧**、鍾嘉綾。 **2021**。都市林裡的隱藏者們－朋友或敵人。林業研究專訊。台北：行政院農業委員會林業試驗所。28(3):73-76

Book Chapters

B1. **Ying-Ning Ho,** Han-Jung Lee, Chi-Ting Hsieh, Chia-Chi Peng, Yu-Liang Yang* **2018.** Chemistry and Biology of Salicyl-capped Siderophores. (Book series: Studies in Natural Product Chemistry, B978-0-444-64179-3, Publisher: Elsevier Science Publishers, Amsterdam, the Netherlands) Doi.org/10.1016/B978-0-444-64179-3.00013-X.

B2. **Ying-Ning Ho,** Dony Chacko Mathew, and Chieh-Chen Huang*. **2017.** Plant-microbe ecology: Interactions of plants and symbiotic microbial communities. (Book: Plant ecology, ISBN 978-953-51-5385-6; Publisher: InTechOpen) DOI: 10.5772/intechopen. 69088.

PATENTS

Invention Patents of Republic of China

P1. 黃介辰，**何櫻寧，**葉品賢，邱敏知，吳東諺。植物保護劑及提高植物鹽度耐受性之方法。(中華民國專利: I684411，公開時間：2020.02.11)

P2. Chieh-Chen Huang, **Ying-Ning Ho,** Chun-Hao Shih. NOVEL FUNCTIONAL ENDOPHYTE FOR DEGRADING AROMATIC COMPOUNDS AND APPLICATION THEREOF (TW: I384945, From 2013.02 .11 to 2029.11.01)

P3. Chieh-Chen Huang, **Ying-Ning Ho.** THE METHOD FOR REAL-TIME QUANTIFICATION AND DETECTION OF PETROLEUM DEGRADING FUNCTIONAL GENES OF *RHODOCOCCUS* SP. (TW: I354027, From 2011.12.11 to 2028.08.26)

CONFERENCE PRESENTATIONS

1. **Ying-Ning Ho***. Harnessing Marine Microbes: A Genomics-Driven, Application Strategy for Resource Recovery. 2026. Microbiome Carnival. (Oral Presentation, January 17-18, 2026, Taipei, Taiwan)
2. 陳澤君*、徐德華、盧昕妘、湯森林、何攖寧*。基因體分析揭示了文蛤屬分歧的環境適應機制。(2026 年 1 月，高雄)
3. **Ying-Ning Ho***. Microbiota shifts in *Meretrix taiwanica* associated with mass mortality triggered by *Vibrio coralliilyticus* CB1. 2025. 5th Conference of the International Society of Fish & Shellfish Immunology (ISESI) (Oral Presentation, Nov. 5-8, National Cheng Kung University,Taiwan, Taiwan)
4. Che-Chun Chen*, Te-Hua Hsu, Hsin-Yun Lu, Sen-Lin Tang, **Ying-Ning Ho***. 2025. Chromosome-Level Genome Assembly Reveals Divergent Immune Mechanisms in the Genus Meretrix. 2025. 5th Conference of the International Society of Fish & Shellfish Immunology (ISESI) (Oral Presentation, Nov. 5-8, National Cheng Kung University,Taiwan, Taiwan)
5. An-Chi Wu*, **Ying-Ning Ho***. Integrating Oxford Nanopore Technologies and Synthetic medium for Arctic Ocean Microbial Research. 2025. 16th University consortium's on aquatic sciences post graduate symposium (UCAS) (Oral Presentation, July. 14-19 2025, National Taiwan Ocean University, Keelung , Taiwan)
6. Yi-Hsuan Huang*, **Ying-Ning Ho***. Investigating the Plastisphere and Biodegradation of Biodegradable Plastic Polylactic Acid in Marine Environment. 2024. 16th University consortium's on aquatic sciences post graduate symposium (UCAS) (Oral Presentation, July. 14-19 2025, National Taiwan Ocean University, Keelung, Taiwan)
7. An-Chi Wu*, Hsin-Yun Lu, **Ying-Ning Ho***. Integrating Oxford Nanopore Technologies and Synthetic Medium for Arctic Ocean Microbial Research. 2025 MiTalk 9 young scientist workshop. (Jan 16-17, Soochow University, Taipei, Taiwan)
8. Yi-Hsuan Huang*, **Ying-Ning Ho***. Investigating the Plastisphere and Biodegradation of Biodegradable Plastic Polylactic Acid in Marine Environment. 2025 MiTalk 9 young scientist workshop. (Jan 16-17, Soochow University, Taipei, Taiwan)
9. Chieh-Jui Hsu*, **Ying-Ning Ho***. Microbiome Analysis of Different Tissues in *Meretrix taiwanica* and Validation of a Novel Pathogen. 2025 MiTalk 9 young scientist workshop. (Jan 16-17, Soochow University, Taipei, Taiwan)

10. An-Chi Wu*, Hsin-Yun Lu, **Ying-Ning Ho***. Integrating (Meta)genomics and Culturomics for Arctic Ocean Microbial Research. 2024. Institute of Marine biology, National Taiwan Ocean University (Dec. 13, 2024) (Poster competition Won second prize)
11. Yi-Hsuan Huang*, **Ying-Ning Ho***. Investigating the Plastisphere and Biodegradation of Biodegradable Plastic Polylactic Acid in Marine Environment. 2024. Institute of Marine biology, National Taiwan Ocean University (Dec. 13, 2024) (Poster competition Won first prize)
12. Chieh-Jui Hsu*, **Ying-Ning Ho***. Microbiome Analysis in Different Tissues of *Meretrix taiwanica* and Pathogenic Bacteria Validation. 2024. Institute of Marine biology, National Taiwan Ocean University (Dec. 13, 2024) (Poster competition Won second prize)
13. Yi-Hsuan Huang*, **Ying-Ning Ho***. Exploring the potential of Oceanimonas pelagia in polyethylene-biodegradation and the polyethylene plastisphere from marine coast. 2024. 16th University consortium's on aquatic sciences post graduate symposium (UCAS) (Oral Presentation, June. 11-17 2024, Xiamen University, China)
14. Chieh-Jui Hsu*, **Ying-Ning Ho***. Isolation and Identification of Novel Marine Bacteria *Vibrio* sp. NTOU-C2 Isolated from Sun Coral (*Tubastraea aurea*). 2024. 16th University consortium's on aquatic sciences post graduate symposium (UCAS) (Oral Presentation, June. 11-17 2024, Xiamen University, China)
15. Priyanka Muthu*, Jiang-Shiou Hwang*, **Ying-Ning Ho***. Currents of Contamination: Navigating the Microbial Seascape of Kuroshio's Microplastic Plastisphere. 2024. The International Symposium series, Pollutant Responses In Marine Organisms (PRIMO22). (May 26-29 2024, Nantes France)
16. Yi-Hsuan Huang*, **Ying-Ning Ho***. Comparing the Degradation of Low-Density Polyethylene by *Oceanimonas pelagia* and *Oceanimonas marisflavi*. 2024 MiTalk 8 young scientist workshop. (Jan 18-19, Tzu Chi University, Hualien, Taiwan)
17. Chieh-Jui Hsu*, **Ying-Ning Ho***. Isolation and Identification of Novel Marine Bacteria *Vibrio* sp. NTOU-C2 Isolated from Sunflower Coral (*Tubastraea aurea*). 2024 MiTalk 8 young scientist workshop. (Jan 18-19, Tzu Chi University, Hualien, Taiwan)
18. Yi-Hsuan Huang*, **Ying-Ning Ho***. Exploring the Polyethylene Degradation Potential and Associated Enzyme Functional Genes of *Oceanimonas*. Institute of Marine biology, National Taiwan Ocean University (Dec. 1, 2023) (Poster competition Won second prize)
19. Chieh-Jui Hsu*, **Ying-Ning Ho***. Physiological and Biochemical Identification of *Vibrio* sp. NTOU-C2: a Novel Marine Bacteria Isolated from Orange Cup Coral (*Tubastraea aurea*).

Institute of Marine biology, National Taiwan Ocean University (Dec. 1, 2023) (Poster competition Won first prize)

20. Priyanka Muthu*, Jiang-Shiou Hwang*, **Ying-Ning Ho*** . Profiles of microbiome assemblages on plastisphere in yilan bay. P. Institute of Marine biology, National Taiwan Ocean University (Dec. 1, 2023) (Poster competition Won first prize)
21. Priyanka Muthu*, Jiang-Shiou Hwang*, Ying-Ning Ho*. Bacterial community responses of the hydrothermal vent crab *Xenograpsus testudinatus* fed on microplastics. 15th University consortium's on aquatic sciences post graduate symposium (UCAS) (Oral Presentation, Oct. 22-27 2023, The university of Hongkong, Hongkong)
22. Chih-Hao Hsu, Che-Chun Chen, Po-Yuan Cheng, **Ying-Ning Ho*** . 2023. Do biofouled marine plastics attract marine organisms? The analysis of microbial communities and their metabolites of plastisphere by multi-omics technologies. 13th Asia-Pacific Marine Biotechnology Conference (APMBC) (Oct. 2-6, Adelaide, Australia)
23. Po-Yuan Cheng, **Ying-Ning Ho*.** 2023. Investigating the ecosystems of Plastisphere and its attractiveness to marine organisms using Oxford Nanopore Technologies. 13th Asia-Pacific Marine Biotechnology Conference (APMBC) (Oct. 2-6, Adelaide, Australia)
24. **Ying-Ning Ho*,** Yu-Ling Chen. 2023. The investigation of the biodiversity of marine "plastisphere": collecting and recovering novel microbial metagenome-assembled genomes by rapid Oxford Nanopore sequencing. 13th Asia-Pacific Marine Biotechnology Conference (APMBC) (Oct. 2-6, Adelaide, Australia)
25. Priyanka Muthu*, Jiang-Shiou Hwang*, **Ying-Ning Ho*** . 2023. Bacterial community responses of the hydrothermal vent crab Xenograpsus testudinatus fed on microplastics. Ocean Sciences Conference. May 2-4 2023, Taichung, Taiwan)
26. Che-Chun Chen, Hsiao-Tsu Yang, Yu-Ling Chen, Chen-Wei Wu, Hong-Yi Gong, and **Ying-Ning Ho*.** 2023. Effect of temperature on intestinal bacteria and metabolomics in cold-water fish (Paralichthys olivaceus). 2023 MiTalk 7 young scientist workshop. (Jan 12-13, National Taiwan Ocean University, Keelung, Taiwan). (Contest Award of Annual Academic Poster, Best Poster Award)
27. Che-Chun Chen, Hsiao-Tsu Yang, Yu-Ling Chen, Chen-Wei Wu, Hong-Yi Gong, and **Ying-Ning Ho*** . 2023. The correlation of symbiotic bacteria and flesh metabolites in cold-water fish, Paralichthys olivaceus. Annual Meeting for the fisheries society of Taiwan. (Jan. 07, National Taiwan Ocean University, Keelung, Taiwan). (Contest Award of Annual Academic Poster,

Second Place)

28. Priyanka Muthu, **Ying Ning Ho***, Jiang Shiou Hwang*. 2022. Is the kuroshio water current influence the Plastisphere community in the marine environment Oral Presentation.2022 Taiwan Geosciences Assembly (TGA), (June 7-10, Nangang International Exhibition Center, Taiwan)
29. **Ying-Ning Ho*,** and Yu-Ling Chen. 2022. Microorganism on marine plastic debris: the potential ecological effects of plastisphere. 12th Asian Symposium on Microbial Ecology. (April 17-19, JEJU SHINHWA WORLD, JEJU, KOREA)
30. Priyanka Muthu, **Ying-Ning Ho***, Jiang Shiou Hwang*. 2022. Microbiome analysis of micoplastics in different locations of Yilan bay with seasonal analysis and biodegradation ability of marine debris associated bacteria. The 14th UCAS postgraduate symposium University Consortium on Aquatic Science & The International Conference for Marine and Freshwater Biodiversity and Ecological Conservation. (March 27-31, 2022, NTOU, Taiwan)
31. K.G. Gowri, Li-Chun Tseng, Yu-Ling Chen, **Ying-Ning Ho*** and Jiang-Shiou Hwang*. **2022**. Structural and functional heterogeneity of the bacterial communities associated with the azooxanthellate scleractinia (*Tubastraea coccinea*) across different habitats. The 14th UCAS postgraduate symposium University Consortium on Aquatic Science & The International Conference for Marine and Freshwater Biodiversity and Ecological Conservation. (March 27-31, 2022, NTOU, Taiwan). (Oral presentation).
32. Yun-Cheng Lee, **Ying-Ning Ho***, Jiang-Shiou Hwang*. **2022.** Evaluate the influence of microplastic on the Microbial Community of the Hydrothermal Vent Crab Xenograpsus testudinatus used the third generation Oxford Nanopore technology. International congress of animal behavior and ecology 33th. (January 18-19, 2022, National Taitung University, Taiwan) (Outstanding Poster Award).
33. K.G. Gowri, Li-Chun Tseng, Yu-Ling Chen, **Ying-Ning Ho*** and Jiang-Shiou Hwang*. 2021. Structural and functional heterogeneity of the bacterial communities associated with the azooxanthellate scleractinia (Tubastraea coccinea) across different habitats. 2021 Institue of Marine Biology poster competition (December 17, 2021, NTOU,Taiwan) (2nd Price for best poster).
34. K.G. Gowri, Li-Chun Tseng, Yu-Ling Chen, **Ying-Ning Ho*** and Jiang-Shiou Hwang* **2021.** Associated microbiotas of azooxanthellate Scleractinia Tubastraea coccinea from different habitats. 2021 Ocean Science conference (April 28-30,2021, National Penghu University, Taiwan). (Oral presentation)
35. Po-Yuan, Cheng and **Ying-Ning, Ho***. Investigation and analysis of attached microorganisms of marine plastics in the tourist hot spots in the Northeast of Taiwan. Taiwan International Conference on Ocean Governance 2021 (TICOG 2021). (Sep. 23, **2021**, Taiwan) (Webinar)

36. 劉則言、陳昭翰、楊玉良、**何攖寧**、鍾嘉綾。褐根病菌與榕樹根部微生物相關聯性分析。109 年度中華民國植物病理學會年會論文集。(**2021** 年 5 月，台北)。
37. Yun-Cheng Lee, **Ying-Ning Ho***, Jiang-Shiou Hwang*. 2021. Preliminary Study on the Methodology of DNA Extraction for the Microbial Community in Xenograpsus testudinatus. Ocean Sciences Conference. (April 28-29, 2021, National Penghu University of Science and Technology, Taiwan).
38. K.G.Gowri, Li-Chun Tseng, Yu-Ling Chen, **Ying-Ning Ho** * and Jiang-Shiou Hwang *. Associated microbiotas of azooxanthellate scleractinian coral Tubastraea coccinea from different marine environments. Ocean Sciences Conference. (April 28-29, 2021, National Penghu University of Science and Technology, Taiwan).
39. **Ying-Ning Ho,** Chongyang Yang, Mei-Fang Chien, Chihiro Inoue. Metabolomic analyses of an arsenic hyperaccumulator, Pteris vittata, and its arsenic accumulation helper, Pseudomonas vancouverensis m318. 第 13 回 細菌学若手コロッセウム in みやぎ蔵王. (August 18-20, **2019**, Miyagi, Japan) (Poster).
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