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**研究專長：**水生生態毒理學、魚類生態學、海洋生態學

**研究領域：**重金屬污染、海豚和鮪魚生態、底棲生物生態

**近三年科技部及其他重要研究計畫：**

1. 台灣西南部沿岸婆羅門赤對蝦類棲地向北擴張之研究 (110-2611-M-110-016)
2. 台灣西部沿海蝦類群聚的十年更迭(I)-(III)(108-2611-M-005, 109-2611-M-110-006)
3. 台江國家公園之永續發展—台江國家公園之永續發展 (總計畫 I-III) (108-2621-M-110-003, 109-2621-M-110-002, 110-261-M-110-001)
4. 109 年離岸風電場生態保育環境監測研究-底棲環境改變對海洋生態之潛在影響 (NAMR109014)
5. 110 年離岸風電場生態保育環境監測研究-彰化風場(NAMR110010)

**Selected recent publications :**

1. **Chen, Meng-Hsien\***, Chien-Cheng Lai, Tzn-Chun Chen, Chuan-Wen Ho, Pei-Jie Meng, Tsang-Hsieh Hung\*, Kuo-Shu Chen & Chih-Wei Chang (2021, Dec.). Seasonal variation in the trawling marine organism community at the Changyun Rise off central western Taiwan in spring to autumn 2020. *Marine Research*, (in press).
2. Chen, Kuo-Shu, Hsu-Sen Chen, Chiee-Young Chen, Yan-Lin Su, Pei-Jie Meng & **Meng-Hsien Chen\*** (2021, Nov.). Multivariate analysis of spatial species diversity of demersal fish assemblages in relation to habitat characteristics in a subtropical national park, Taiwan. *Marine Biodiversity*, (in press).
3. Chen, Hsu-Sen, Kuo-Chen Chen, Chiee-Young Chen, Chin-Chang Hung, Pei-Jie Meng, **Meng-Hsien Chen\*** (2021, Apr). Spatiotemporal distribution of shrimp assemblages in the western coastal waters off Taiwan at the Tropic of Cancer, Western Pacific Ocean. *Estuarine, Coastal and Shelf Science* 255 (2021) 107356.
4. **Chen, Meng-Hsien\***, Yu-Ting Lin, Chien-Cheng Lai, Lien-Siang Chou & Chiee-Young Chen (2020). Tissue concentrations of, Fe, Zn, Cu and Mn of four Taiwanese toothed. *Marine Pollution Bulletin* 158 (2020) 111094.
5. Chao, Ning Labbish, Chih-Wei Chang, **Meng-Hsien Chen**, Chang-Chang Guo, Bai-An Lin, You-Yu Liou, Kang-Ning Shen & Min Liu (2019). *Johnius taiwanensis*, a new species of Sciaenidae from the Taiwan Strait, with a key to *Johnius* species from Chinese waters. *Zootaxa* 4651(2), 259-270.
6. Chen, Chiee-Young, Yan-Ting Chen, Kuo-Shu Chen, Chien-Chung Hsu, Li-Lian Liu, Hsu-Sen Chen & **Meng-Hsien Chen\*** (2018). Arsenic and five metal concentrations in the muscle tissue of bigeye tuna (*Thunnus obesus*) in the Atlantic and Indian Oceans. *Marine Pollution Bulletin* 129(1), 186-193.

7. **Chen, Meng-Hsien\***, Ming-Feng Zhuang, Lien-Siang Chou, Jean-Yi Liu, Chieh-Chih Shih & Chiee-Young Chen (2017). Tissue concentrations of four Taiwanese toothed cetaceans indicating the silver and cadmium pollution in the western Pacific Ocean. *Marine Pollution Bulletin* 124(2), 993-1000.