

蔡昇芳 助理教授 海洋原生生物研究室

學 歷:國立臺灣海洋大學 環境生物與漁業科學學系 理學博士

經 歷:國立臺灣海洋大學 海洋中心助理研究員

國立臺灣海洋大學 海洋環境與生態研究所助理教授

研究領域:海洋生態學、原生生物學、纖毛蟲分類與生態、夜光

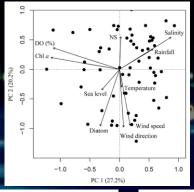
蟲生態學

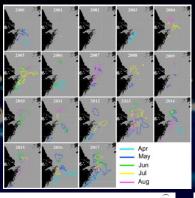
研究內容:

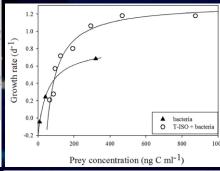
研究馬祖沿近海夜光蟲(藍眼淚)生物量之變動與海洋生地化間之關係,包括夜光蟲成長、攝食、生殖等族群動態相關研究。

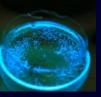
持續累積臺灣沿近海纖毛蟲種類鑑定之背景資料,作為解析臺灣沿近海纖毛蟲之時空分布結構,以及 其鏈結海洋微生物循環與海洋傳統食物鏈之重要性,藉以做為臺灣沿近海碳傳遞之基礎資料。

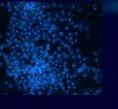


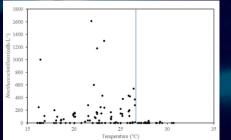


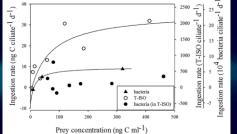


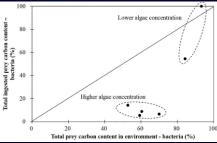


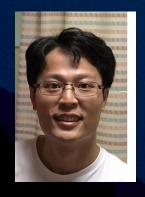












Sheng-Fang Tsai, Assistant Professor

Laboratory of Marine Protozoa

Education:

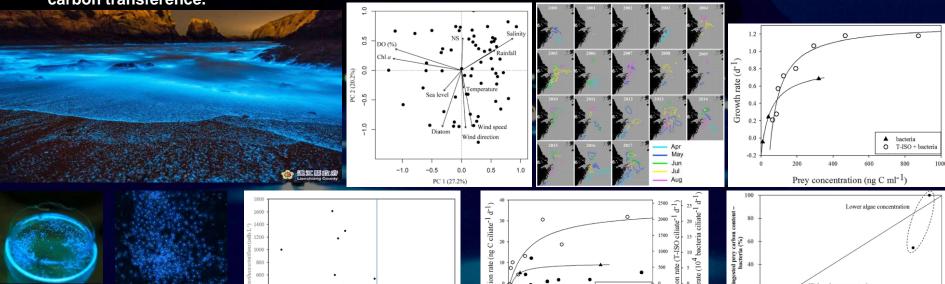
- Department of Environmental Biology and Fisheries Science, National Taiwan Ocean University (Ph.D.) Professional experience:
- Assistant Research fellowship, Center of Excellence for the Oceans, NTOU
- Assistant Professor, Institute of Marine Environment and Ecology, NTOU Expertise :

Marine ecology, Protozoa, Taxonomy of Ciliate, Ecology of Marine Ciliate and Noctiluca

Research interest:

Research on the relationship between Noctiluca scintillans (Blue tears) and biogeochemical parameters in the water
off Matsu archipelago, its growth rates, grazing rates, and reproduction, as well as population dynamics.

 Accumulation of a data base for the taxonomy of marine oligotrich ciliates off the coastal waters of Taiwan to analyzing the composition of marine oligotrich ciliates and its spatial and temporal distribution, and to detecting the important link between the marine microbial loop and the traditional grazing food chain, as the dynamics of carbon transference.



Prev concentration (ng C ml-

Total prev carbon content in environment - bacteria (%

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Neglect of Presence of Bacteria Leads to Inaccurate Growth Parameters of the Oligotrich Ciliate Strombidium sp. During Grazing Experiments on Nanoflagellates

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忽略細菌的存在造咎了纖毛蟲攝食鞭毛蟲下的成長及攝食 率

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- 2. 國立臺灣海洋大學海洋中心

重要研究成果

- 在海洋微生物循環圈裡,傳統上認為纖毛蟲 是以鞭毛蟲為餌料,但是該文章利用培養實 驗發現當環境中鞭毛蟲數量很低時,纖毛蟲 的餌料有超過50%反而是來自於細菌。
- 此結果有助於釐清鞭毛蟲與纖毛蟲之間的能量傳遞。

