

曾筱君 助理教授



學 歷：西班牙加的斯大學 海洋與海岸管理博士

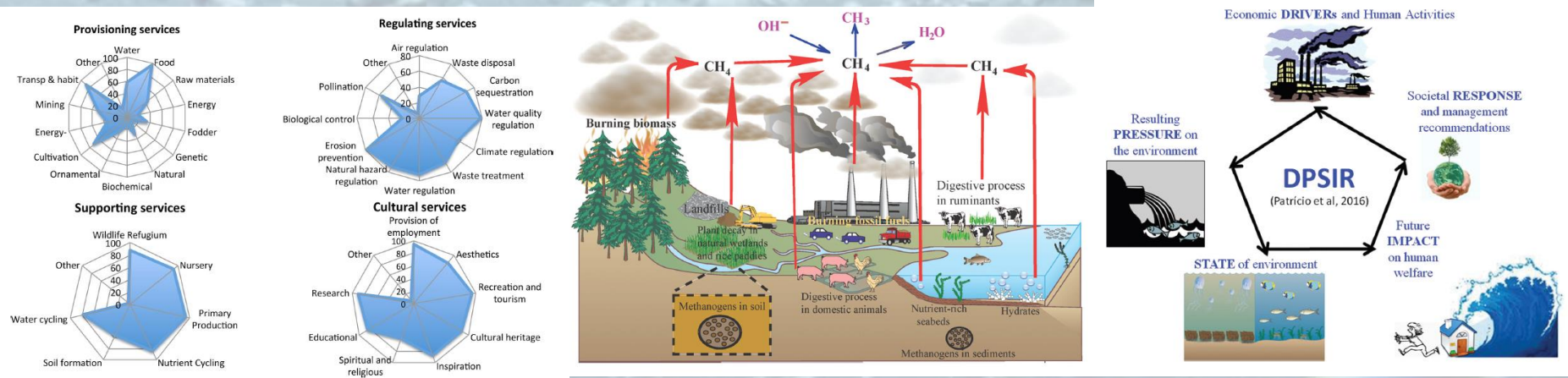
經 歷：國立臺灣海洋大學 海洋環境與生態研究所助理教授

國立臺灣海洋大學 國際處 國際學生事務組組長

研究領域：海洋與海岸管理、環境與氣候變遷、化學海洋學、
溫室效應氣體量測

研究方向

1. 溫室效應氣體(甲烷、一氧化二氮)於不同水域環境的濃度分布與釋放量
2. 人為活動與水域環境變異的關係
3. 水域環境的社會環境分析
4. 海岸管理與海洋環境政策分析與建議



Hsiao-Chun Tseng Assistant Professor



Education : Erasmus Mundus Doctor in Marine and Coastal Management, Universidad de Cádiz, Spain

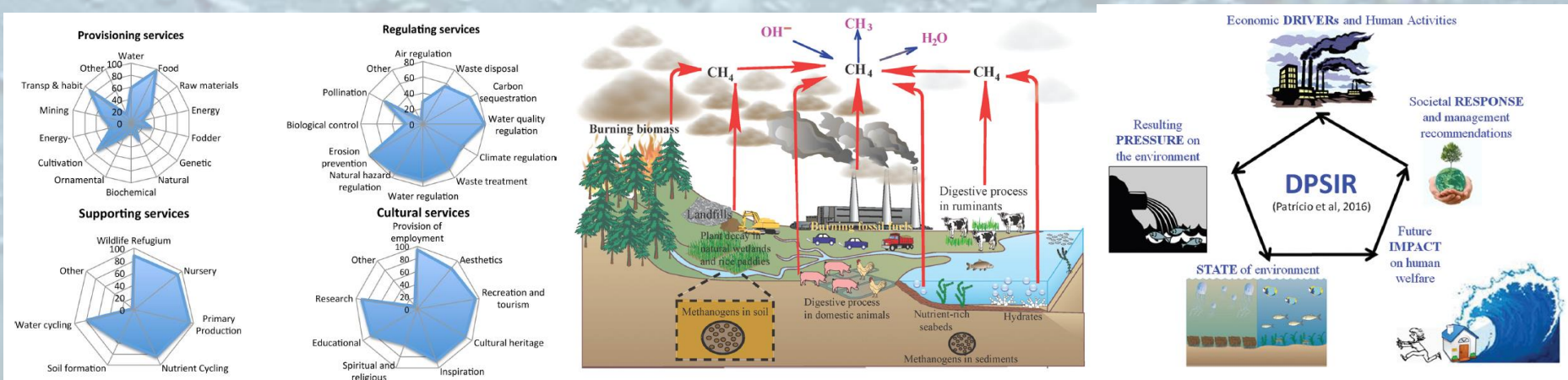
Professional experience :

- Director of Division of International Student Affairs, NTOU
- Assistant Professor, Institute of Marine Environment and Ecology, NTOU

Expertise : Marine and Coastal Management, Greenhouse gases, Environment and Climate Change, Chemical oceanography

Research interest :

1. The distributions and emissions of greenhouse gases (methane and nitrous oxides) in different aquatic environments
2. The relationship between human activities and aquatic environmental variations
3. Social-environmental analysis of aquatic environment
4. Coastal management and marine environmental policy analysis and recommendations





Seasonal Variations of Marine Environment and Primary Production in the Taiwan Strait

Hsiao-Chun Tseng¹, Wan-Lynn You¹, Wei Huang¹, Chih-Ching Chung¹, An-Yi Tsai¹, Tzong-Yueh Chen¹, Kuo-Wei Lan² and Gwo-Ching Gong^{1,3*}

¹ Institute of Marine Environment and Ecology, National Taiwan Ocean University, Keelung, Taiwan, ² Department of Environmental Biology and Fisheries Science, National Taiwan Ocean University, Keelung, Taiwan, ³ Center of Excellence for the Oceans, National Taiwan Ocean University, Keelung, Taiwan

台灣海峽海洋環境與基礎生產力的季節性變化

曾筱君¹、游婉玲¹、黃薇¹、鍾至青¹、蔡安益¹、陳宗岳¹
、藍國偉¹、龔國慶^{1,2*}

1. 國立臺灣海洋大學海洋環境與生態研究所
2. 國立臺灣海洋大學海洋中心

Important research result

- The first data set of seasonal marine environment and euphotic zone integrated primary production (IP) variations in the Taiwan Strait was reported. The measured annual IP was 123 ± 86 gC/m²/year, and its seasonal variations can be described with a left-skewed normal distribution curve. The average seasonal IP values from the highest to the lowest were summer, autumn, spring, and winter.
- It is worth to mention that offshore wind farm (OWF) construction in the Taiwan Strait is on-going. As primary production is the foundation for a marine ecosystem and supports the food web and fish stock, the results of this research can not only be used as the baseline for evaluating the OWF impact on the marine ecosystem but also be used for assessing their influence on fishery resources.

