

# RESEARCH SEMINAR

## A Deep Dive to 1800m: Onboard the R/V *Shen Hai Yi Hao*

By Ms. CHUAR Cheah Hoay

Tropical Marine Science Institute (TMSI), National University of Singapore

**Date:** Thursday 28 November 2024

**Time:** 3 – 4 PM

**Format:** Hybrid. TMSI Conference Room, S2S Building, 18 Kent Ridge Road, Singapore 119227

**Hosts:** Dr Nicholas Yap, Dr Chim Chee Kong & Dr Tan Koh Siang

**REGISTRATION LINK:** [https://nus-sg.zoom.us/webinar/register/WN\\_HyEUvKoqSgu3B5HSDMF8aw](https://nus-sg.zoom.us/webinar/register/WN_HyEUvKoqSgu3B5HSDMF8aw)

### ABSTRACT:

Deep-sea ecosystems play a crucial role in global processes such as nutrient cycling and carbon storage. However, the rich biodiversity present in these unique habitats remain understudied. Recently, I was given an extraordinary opportunity to participate in a deep-sea research expedition to the western Pacific Ocean on board the research vessel “*Shen Hai Yi Hao*”, **down to an astounding depth of 1800m!** These expeditions are essential for advancing our understanding of the biota in these habitats. The expedition was invaluable to my research, enabling me to collect samples and make observations directly, which will enrich ongoing taxonomic and ecological studies, all of which will aid in building a clearer picture of the biota communities in these remote and largely uncharted environments. In this seminar, I will share some preliminary observations of deep-sea biota, and my experience on board the “*Shen Hai Yi Hao*” cruise.

### About the Speaker:

CHUAR Cheah Hoay is a Research Assistant with the deep sea research team in TMSI. Her current research focuses on the identification of marine worms, contributing to a deeper understanding of the biology of shallow and deep-sea habitats. Previous deep sea expeditions include West Java and the Clarion-Clipperton Fracture Zone in the Pacific.

