



MEI SHUET KONG

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📍 Johor Bahru, Malaysia

🌐 meishuet.github.io (portfolio website)

KEY ACHIEVEMENT

⚡ Enhanced the workflows on data reporting

- Constructed interactive dashboards for data visualization, replacing manual charting workflows, cutting reporting time by 60% and enhancing pollution insights through dynamic geospatial mapping and filtering tools.

💡 Advanced the development of National Marine Water Quality Standards

- Reviewed the international water quality standards for coral reef, oyster mariculture and beach environments, identified regulatory gaps and developing proposed water quality thresholds tailored to these sensitive marine zones (e.g. proposed a traffic light alert system for beach water quality which aim to be adopted later into Taiwan's national monitoring framework).

SKILL

- Environmental Impact Assessments
- Data Analysis (R, Excel, Power BI, QGIS)
- Species Identification & Biodiversity
- Report Writing
- Advanced Open Water Diver
- Stakeholder Communication
- Project Management & Coordination
- Strategic Thinking

LANGUAGE

- English, Mandarin, Malay, Cantonese

Environmental Consultant | Environmental Engineer

ABOUT ME

With 7+ years of combined academic and industry experience in marine ecosystem research, monitoring, and impact assessment. Skilled in marine baseline survey reports, biodiversity research, and data analysis. Passionate about sustainable marine development and conservation. Seeking to leverage technical and field skills in an environmental consultancy role.

EXPERIENCE

SGS, Taiwan | 2024 – 2025

Environmental Engineer/Project Manager (Water Resources)

- Conducted environmental monitoring projects, including 2025 Coral Reef Water Quality Survey and 2024 Marine Aquaculture Zone Survey in Taiwan, each with budgets of ~NT\$2 million.
- Authored technical reports in compliance with national and international standards, supporting regulatory submissions and stakeholder decision-making.
- Provided consultancy on sampling site selection and delivered science-based recommendations that strengthened sustainable coastal development and marine ecosystem protection.
- Reviewed and compared international environmental regulations with national standards to support the advancement of marine protection frameworks.

TungHai University, Taiwan | 2023 – 2024

Research Assistant (Marine Ecology & Biodiversity)

- Conducted coral reef fish biodiversity assessment projects across multiple reef sites in Taiwan, supporting long-term marine environmental monitoring.
- Led field survey planning and data reporting.
- Performed 30+ Underwater Visual Census (UVC) surveys, identifying and recording 150+ fish species to evaluate reef health and ecosystem status.
- Utilized QGIS for species distribution mapping and spatial biodiversity analysis.
- Analysed biodiversity data using rarefaction curves, biodiversity indices, PCA.

Malaysia & Taiwan | 2016 – 2023

Field Research Projects (Bachelor's & Master's)

- Carried out mangrove census surveys, seabird population monitoring, and sea turtle nest & hatchling measurements.
- Designed and executed field surveys contributing to academic research programs.

EDUCATION

Master of Science in Oceanography (Marine Biology & Fisheries)

National Taiwan University, Taiwan | 2020–2023

Bachelor of Science (Marine Biology)

University of Malaysia Terengganu, Malaysia | 2016–2019