

# Shantika Maylana Sastraprawira

## Email

[shantikamaylana@gmail.com](mailto:shantikamaylana@gmail.com)

## Work Experiences

March 2025 - Now

### Senior technician

Centro Balear de Biodiversidad - Universidad de las Islas Baleares  
Mallorca, Spain

Assisting Genetic Diversity and Connectivity amongst Protected Marine Invertebrate Populations in the Balearic Sea (ConnectAMBgen) project. DNA extractions, PCR, RADseq library preparation.

January 2023 - February 2025

### Fisheries and Aquaculture Coordinator

Konservasi Indonesia  
Jakarta, Indonesia

Coordinating fisheries and aquaculture projects in Indonesia: 1) Shrimp Improvement Programme Banyuwangi, Indonesia 2) Domestication and restocking of Zebra Shark (*Stegostoma tigrinum*) [reshark.org](https://reshark.org) - infer population genetic approaches in species conservation

February 2022 - July 2022

### Graduate Research Assistant

Institut des Sciences de Evolution Montpellier - Université de Montpellier  
Montpellier, France

Master thesis: "Seahorse Population Genomics: Insights from RAD-sequencing on a population from West Papua, Indonesia"

July 2021 - August 2021

### Summer Internship

GEOMAR Helmholtz Zentrum für Ozeanforschung Kiel  
Kiel, Germany

Develop method to identify microplastics in waters using Near-Infrared Hyperspectral Imaging (NIR-HSI)

September 2019 - August 2020

### Research Assistant

Institute of Tropical Biodiversity and Sustainable Development - Universiti  
Malaysia Terengganu  
Terengganu, Malaysia

Fellowship from Ministry of Education Malaysia. Research work entitled: Co-implication of peacock bass (*Cichla* spp.) occurrence using eDNA and phylogeny at Tasik Telabak, Terengganu, Malaysia. Also, I co-assist in running a project on measuring diversity of Marine Annelids at coastal man-made structure in Kuala Nerus, Terengganu, Malaysia.

September 2018 - August 2019

### Research Assistant

United Nations Industrial Development Organization  
Jakarta, Indonesia

Project SMART-Fish program to enhance the management of tuna and tuna-like fishery in Indonesia and to increase yield and efficiency of seaweed cultivation.

January 2018 - July 2018

### Research Assistant Internship

Jakarta Fisheries University - Institut Recherche pour le Développement France  
Jakarta, Indonesia

I assisted my Bachelor's thesis supervisor project of LENGGURU 2017 INDONESIA in genetic laboratory work. The work includes: data input, samples handling, morphology-meristic measurements, DNA extraction, data analyses in MEGA, Taxonomy work.

## Academic Qualifications

September 2020 – September 2022

### M.Sc - Erasmus Mundus Marine Environment Resources+

Semester 1 - Université de Bordeaux, Bordeaux, France  
Semester 2 - University of Basque Country, Bilbao, Spain  
Semester 3 - Université de Liège, Liège, Belgium

Semester 4 - Université de Montpellier, Montpellier, France (Master's thesis)

M.Sc thesis: Pygmy seahorse population genomics: insights from RADsequencing on population from West Papua, Indonesia

GPA 8.18/10 - Equivalent of GPA 3.78/4 in Indonesia grading scale.

September 2014- August 2018

### B.Sc in Fisheries - Jakarta Fisheries University

B.Sc thesis: Microplastics Ingestion on Marine Fishes in Indonesia: source, distribution & management

GPA 3.46/4

## Scientific Projects, Seminars, & Publications

September 2023	<b>Public lecture - Why population genetic important for species conservation? its fundamentals, and implementation</b> Jakarta Fisheries University - Aquatic Resource Management department
July 2022	<b>Book Chapter - Detrimental Coastline Alteration at Horseshoe Crab Spawning Grounds in Pahang, South China Sea</b> Link: <a href="https://link.springer.com/chapter/10.1007/978-3-030-82315-3_24">https://link.springer.com/chapter/10.1007/978-3-030-82315-3_24</a>
November 2020	<b>Paper - A review on introduced Cichla spp. and emerging concerns</b> Link: <a href="https://www.sciencedirect.com/science/article/pii/S2405844020322131">https://www.sciencedirect.com/science/article/pii/S2405844020322131</a>
September 2018	<b>Speaker at National Seminar of Fisheries and Fisheries Extension 2018</b> Dissemination of B.Sc Thesis
April – May 2017	<b>B.Sc Groupwork Project - Generic Classification of Native Freshwater Fishes of Indonesia</b> Link : <a href="https://www.academia.edu/32307344/">https://www.academia.edu/32307344/</a> <u>Generic classification of the freshwaterfishes of Indonesia</u> - I extensively use GenBank, Eschmeyer's Catalogue of fish, GBIF to assess the diversity of freshwater fishes in general level.

## Certifications

October 2023	<b>Global Mangrove Alliance - Community Based Ecological Mangrove Restoration Training</b> Mangrove Action Project Pekanbaru, Indonesia
June 2023	<b>Project Management in Development Sector (online)</b> Pyramid Learning
July 2017	<b>MIRADI - Marine Conservation and Action Planning</b> Coral Triangle Centre Bali, Indonesia
June 2017	<b>GIS - Marine Protected Area Design</b> Coral Triangle Centre Bali, Indonesia
March 2015	<b>SCUBA DIVING A1 - Open water</b> Confédération Mondiale des Activités Subaquatiques (CMAS) - World Underwater Federation Jakarta, Indonesia

## Leadership

July 2024 - now	<b>Member of Indonesian Society for Evolutionary Studies</b>
Sept 2021 - January 2022	<b>Erasmus+ Marine Environment Resources Student Representatives</b>

## Awards

May 2020	<b>Erasmus+ Scholarship Awardee 2020 (€ 49,000)</b> Erasmus Mundus Joint Master Degree (EMJMD) in Marine Environment Resources European Union
September 2019	<b>Fundamental Research Grant Scheme (FRGS) Grantee (MYR 65,000)</b> Ministry of Education Malaysia Terengganu, Malaysia
January 2018	<b>Dean's list - Aquatic Resource Management</b> Jakarta Fisheries University Jakarta, Indonesia