

# Faculty

**KRISTINE O. ABENIS, MSc**

Arthropod Ecology

**ZHEREELEEN M. ADORADOR, MSc**

Orchid Taxonomy, Plant Ecology

**CHARINA GRACIA B. BANAAY, PhD**

Microbial Ecology

**ROMELLA T. BERINGUELA, MSc**

Aquatic Microbial and Epiphytic Ecology

**JOSEPH G. CAMPANG, MSc**

Fisheries Ecology, Freshwater Ecology

**RODELINA C. DEYTO, PhD**

Pollination Ecology

**AIMEE LYNN B. DUPO, PhD**

Arthropod Taxonomy and Ecology

**JOHN MARK A. ENCINARES, MSc**

Cave Ecology

**ANALINDA M. FAJARDO, PhD**

Pollination Ecology, Palynology

**RONILO JOSE D. FLORES, PhD**

Cave Microbial Ecology

**DANIEL EDISON M. HUSANA, PhD**

Cave and Aquatic Ecology

**IVY AMOR F. LAMBIO, MSc**

Plant Ecology, Conservation Biology

**IRENEO L. LIT, JR., PhD**

Conservation Biology

**DAMASA M. MACANDOG, PhD**

Plant Ecology/ Ecological Modelling

**FAITH S. MARANAN, MSc**

Molecular and Restoration Ecology

**JOHN VINCENT R. PLETO, MSc**

Freshwater Ecology

**MARK ANTHONY F. RABENA, MSc**

Vegetation Ecology, Landscape Ecology

**MA. GREGORIA JOANNE P. TIQUIO, DSc**

Marine Ecology, Environmental Toxicology

Professor Emeriti:

**CLEOFAS R. CERVANCIA, PhD**

Pollination Biology and Apiculture

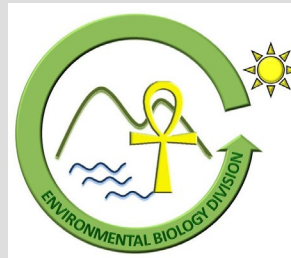
**VIRGINIA C. CUEVAS, PhD**

Plant Ecology and Mycology

**MACRINA T. ZAFARALLA, PhD**

Phycology and Aquatic Ecology

## Contact Us



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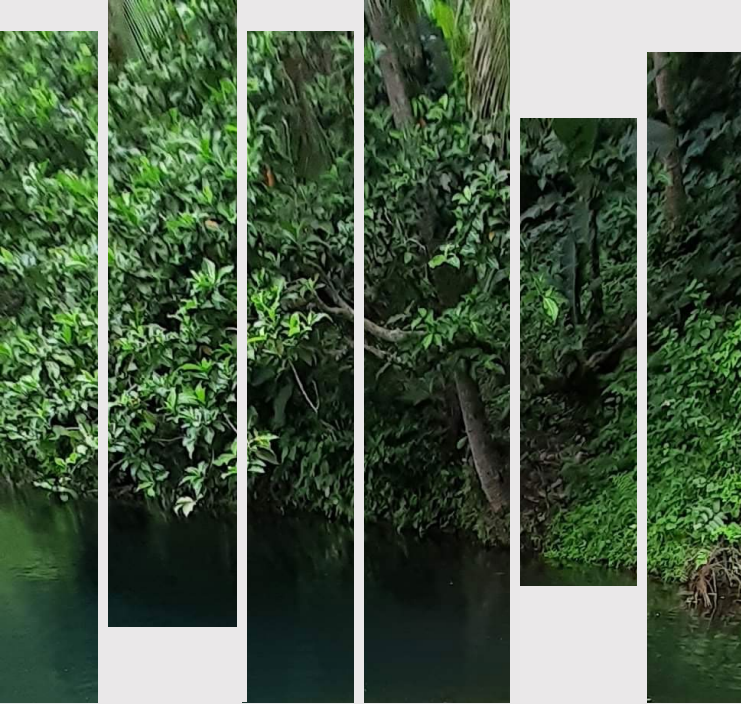
University of the Philippines Los Baños  
Institute of Biological Sciences

**BS BIOLOGY MAJOR IN**

# **ECOLOGY**

**ENVIRONMENTAL BIOLOGY DIVISION, IBS, CAS**





# About Ecology Major

Ecology Major provides the fundamentals of ecology while allowing flexibility for application to specific areas of study. It also allows specialization under the fields of expertise of the faculty members, namely - Plant Ecology, Marine Ecology, Insect Ecology, Animal Ecology, Microbial Ecology, Freshwater Ecology, Bioinformatics/Ecosystem Modeling, Palynology/Pollination Ecology, Cave Ecology, Wildlife Ecology, and Conservation Biology. This could give a good background in Ecology which enables graduates to pursue various career opportunities such as teaching and/or research positions, Forestry and Wildlife Management, Biosecurity and Pest Management, Ecological Medicine and Epidemiology, and Ecological consultants for Philippine and foreign governments and private industries.

## Courses Offered

All Ecology major students are required to take Practicum, Thesis, and the following courses:

- BIO 151.** Environmental Management
- BIO 155.** Biology of Pollution
- BOT 150.** Plant Ecology
- MCB 150.** Microbial Ecology
- ZOO 150.** Animal Ecology

Ecology majors must also take a minimum of 9 units of other majors including, but not limited to the following:

- AGRI 121.** Introduction to Ecological Agriculture
- BIO 152.** Biogeography
- BIO 154.** Cave Ecology
- BIO 159.** Conservation Biology in the Tropics
- BOT 152.** Phytogeography
- CERP 122.** Conservation of Natural Resources
- CHE 180.** Agro-Industrial Waste Management
- CHEM 180.** General Environmental Chemistry
- CHEM 181.** Pollution Chemistry
- ENT 151.** Insect Ecology
- FBS 101.** Forest Biodiversity
- FRM 102.** Fundamentals of Environmental Forest Management
- HUME 105.** Humans and their Environment
- LWRE 178.** Principles of Tropical Water Quality Management
- MCB 101.** Microbial Identification Techniques
- PPTH 104.** General Mycology
- SFI 123.** Fundamentals of Agroforestry
- SOIL 150.** Soil Fertility
- VMCB 124.** Fundamentals of Immunology
- WLDL 101.** Introduction to Philippine Wildlife
- WLDL 150.** Wildlife Ecology
- ZOO 153.** Marine Animal Ecology
- ZOO 155.** General Limnology



Scan to view the continuation of the courses

## Ecology Major Application

- Students must have earned at least 70 units of coursework
- Attend major application orientation organized by IBS Registration Committee at the time of application
- Submit copy of grades with application form indicating preferred adviser to be evaluated by the IBS Registration Committee
- Meet with assigned adviser for the Plan of Study (POS)

## Testimonial



Ecology gave me a deep appreciation for interconnectedness and synergy which I now use in helping craft and execute policy.

**Atty. Marvin Duag**  
Ecology Alumna