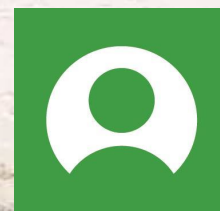


PHANG NGA

COASTAL CONSERVATION



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PHANG NGA COASTAL CONSERVATION

Join one of our flagship research projects to develop hands-on practical fieldwork experience or complete an independent research project as part of your undergraduate or postgraduate dissertation.

Based on the Andaman coast, Ban Nam Khem, a small fishing village is the ideal location for coastal conservation. Surrounded by 9 National Parks, marine and terrestrial, we have a variety of impactful research projects focusing on coral, mangrove, beachline, and surrounding diverse landscapes. We have recorded a wide array of species from sea turtles to king cobra, mangrove crab to huntsman spider and from the palm civet to the leopard cat.



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RESEARCH OBJECTIVES

HUB OBJECTIVES INCLUDE

- Study the benefits of enclosure enrichment and collect morphological data on the endangered green sea turtles and the Royal Thai Navy sea turtle conservation centre.
- Build a species inventory of critically endangered species and investigate species abundance, diversity and ecology across nearby islands.
- Conduct bird and butterfly surveys in the local area to build a species list and monitor populations in conjunction with e-Bird and iNaturalist.
- Monitoring coral health and collecting data on the variety and abundance of fish species present for Green Fins Thailand and REEF (only during the dry season, October - May).



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RESEARCH OBJECTIVES

- Collect data about marine plastics to monitor the abundance and diversity of marine debris for Ocean Swell.
- Understand the interrelationship between increased awareness of environmental issues and changing attitudes towards sustainability.



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FLAGSHIP RESEARCH PROJECTS

MARINE DEBRIS & MICROPLASTICS

Site: Along the local coastline

Research focus: Monitor the types and sizes of trash and analyse patterns and main brands to understand the main contributors to pollution

Methodology: Surveys and beach cleans

Partners: Trash Heroes, Ocean Swell and eOceans

SEA TURTLE CONSERVATION

Site: Turtle head-start centre in Phang Nga

Research focus: The study of green sea turtle head start programs, morphology, infection rates and behaviour

Methodology: Survey

Partner: Royal Thai Navy



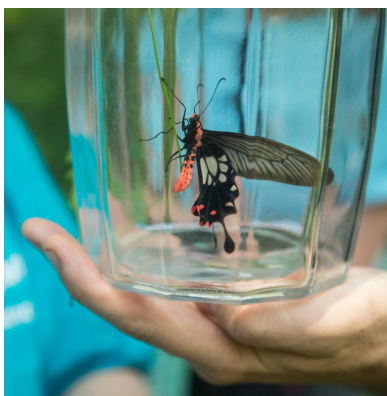
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INDEPENDENT RESEARCH PROJECTS

HUB TOPICS INCLUDE

- Butterflies
- Birds
- Amphibians
- Mammals
- Reptiles
- Coastal conservation and mangrove restoration projects
- Environmental awareness
- Beach profiling and erosion control
- Marine plastic pollution



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EXISTING DATASETS

AVAILABLE DATASETS INCLUDE

- Data inventory on green sea turtle morphology, infection rates and behaviour.
- Bird species abundance and diversity in the Phang Nga area as well as patterns of migration on e-Bird.
- Butterfly species list and abundance in the Phang Nga area on iNaturalist.
- Coral health data on Green Fins Thailand/REEF.
- Marine plastics abundance and diversity on Ocean Swell.



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TARGET SPECIES

BIRDS

- Greater Racket Tailed Drong
- Wader birds
- Great Egret
- Brahmy kites
- White Bellied Sea Eagle
- Hornbill
- Kingfisher

FLORA & FAUNA

- Palm Oil
- Rubber Plantations
- Coconut Palm
- Cashew Tree
- False Bird of Paradise
- Mangrove Fan Palm
- Range of Fruit Tree

MAMMALS

- Leopard cats
- Palm civet
- Dusky langur
- Flying lemur
- Eurasian wild pig
- Striped dolphins



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TARGET SPECIES

REPTILES

- Green sea turtles
- Hawksbill sea Turtle
- Olive Ridley
- Leatherback
- Mangrove snake
- King Cobra
- Bronzeback
- Wolf Snake
- Water Monitor Lizard
- Skink
- Gecko
- Tree Lizard

BUTTERFLIES

- Grass blue
- Adamsons rose
- Painted jezebel
- Bush brown
- Black-tip archduke
- Yellow
- Monarch

FISH

- Butterfly
- Moray eel
- Lion
- Squirrelfish
- Parrot
- Barracuda
- Grouper
- Trevally
- Sweet lips
- Needle



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TARGET SPECIES

MANGROVES & SEAGRASS

- *Bruguiera cylindrica*
- *Ceriops tagal*
- *Rhizophora*
- Eelgrass
- Spoon-grass
- Turtle grass
- Strand seagrass



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TARGET SPECIES

MARINE INVERTEBRATE, CORAL, ANEMONES & SPONGES

- Nudibranch
- Sea star
- Crown of thornes
- Sea cucumber
- Hard and soft coral
- Sea fan
- Brain
- Table
- Branch
- Barrel sponge
- Sea anemone



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