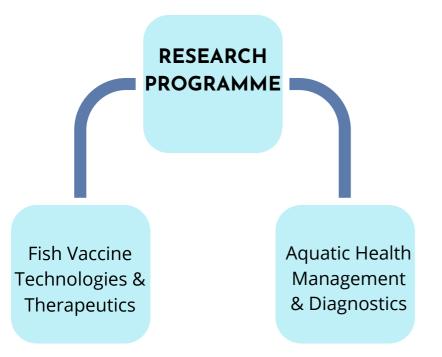


Aquatic Animal Health and Therapeutics Laboratory (AquaHealth)



About US

AquaHealth was established to strengthen the research programme in aquaculture, especially on aquatic animal health management and development of fish vaccine technology and therapeutics. Our focus is consistent with the objectives of Institute of Bioscience, UPM as a Higher Institution Centre of Excellence (HICOE). It is the vision of AquaHealth to become a referral centre for aquatic animal diseases in this country and region.

Research Focus

- Development of commercially valuable products for the food industry market (vaccines, kit, probiotics and etc) and also management of aquatic animal health and disease diagnostics for sustainable food security and safety.
- Strengthen research programs related to aquaculture, through increased expertise, infrastructure improvements research and innovation of novel products.





Services

- Fish pathogen identification
- Analysis of water quality parameters
- Microscopes with imaging system .
- PCR & real time qPCR analysis .
- Elisa microplate reader antibody titre, cortisol • detection
- Freeze dryer
- Ion chromatography analysis
- Experimental fish challenge facilities





Consultation

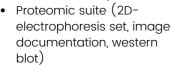
- Fish disease diagnosis •
- Fish vaccine technology and therapeutics •
- Fish breeding/ shrimp breeding/ hatchery management •

INNOVATION & COMMERCIALISATION

- Aquaculture health economics analysis
- Marine natural products •

Major Facilities

• Molecular suite (PCR, qPCR, image documentation)



Fish disease suite • (conventional disease detection system, microscopy unit, staining apparatus, sterilization unit)







Immunology suite (ELISA reader - antibody titer,

laboratory

maintenance fish stock

reservoir with sterilization

sea

unit

tanks.

water

cortisol detection)

(experimental

Wet

system,

system)





Contact Person

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VIVAC UPM: ORAL FISH VACCINE AGAINST VIBRIOSIS PRINCIPAL INVENTOR: ASSOC. PROF. DR. INA SALWANY MD YASIN



ARGAPREBIO POWDER SARGASSUM PREBIOTIC OWDER): USE OF SEAWEED AS EED ENHANCER FOR GUATIC ANIMALS

PRINCIPAL INVENTOR: CHM MUHAMMAD FARHAN NAZARUDIN



PRINCIPAL INVENTOR: DR. CHONG CHOU MIN



NANNOVAC ZA: TRANSGENIC MICROALGAE FOR FISH ORAL VACCINATION

PRINCIPAL INVENTOR: ASSOC. PROF. DR. ZETTY NORHANA BALIA YUSOFF



FAST TARGET TM: WHITE SPOT

PRINCIPAL INVENTOR: DATO' DR. MOHAMED SHARIFF MOHAMED DIN



IMMUNOPROPHYLACTIC PELLET: A COMPOSITION FOR IMMUNE-ENHANCING AQUACULTURE PELLET

PRINCIPAL INVENTOR: DR. CHONG CHOU MIN