

Marine and Freshwater Biology



At FRST, under the niche of Aquatic Science we aim to provide students with a sound understanding of the various aquatic ecosystems and resources, to ensure these resources could be utilized for socio-economic and other benefits in a sustainable way. Our research programmes are designed for graduates to have the scientific background, knowledge and expertise to undertake research and development, as well as be innovative, especially in the exploitation and conservation of aquatic resources. The programmes also emphasize the promotion of public awareness and the importance of preserving and conserving aquatic ecosystems and resources for the benefit of future generations.

MEET OUR EXPERTS

MARINE AND FRESHWATER BIOLOGY



**Assoc. Prof. Dr
Samsur bin
Mohamad**

*Area of Expertise :
Harmful Algal Blooms
(HABs) and Toxins,
Marine Toxicology &
Food Safety*



**Prof. Dr Ruhana binti
Hassan**

Area of Expertise : Biodiversity



**Prof. Dr Khairul
Adha bin A. Rahim**

*Area of Expertise : Freshwater
Biodiversity and Conservation*



**Assoc. Prof. Dr Siti
Akmar Khadijah binti
Ab Rahim**

*Area of Expertise : Marine
Biodiversity and
Conservation, Breeding of
Marine Organisms &
Marine Planktonology*



**Dr Fazimah binti
Aziz**

*Area of Expertise : Fish
Systematics & Ecology*



**Dr Farah Akmal binti
Idrus**

*Area of Expertise : Chemical
Oceanogra[hy & Applied
Earth Science*

MARINE AND FRESHWATER BIOLOGY



**Assoc. Prof. Dr
Aazani binti Mujahid**

*Area of Expertise :
Marine Biodiversity and
Conversation, Physical
Oceonography & Coastal
Erosion*



**Ts Mohd Nasarudin bin
Harith @ Abdul Nasir**

*Area of Expertise : Marine
Planktonology & Biodiversity*



**Dr Fatimah A'tirah
binti Mohamad**

*Area of Expertise : Benthos
Ecology*



**Dr Jongkar anak
Grinang**

*Area of Expertise : Animal
Taxonomy, Freshwater
Ecology & Marine
Biodiversity and
Conservation*



Dr Teng Sing Tung
PROGRAMMED
COORDINATOR

*Area of Expertise:
Phycology, Marine
Planktonology
Marine Biology, Harmful
Algal Blooms (HABs)
and Toxins*



Dr Roslianah binti Asdari

*Area of Expertise :
Aquaculture Industry*

MARINE AND FRESHWATER BIOLOGY



**Dr Ahmad Syafiq bin
Ahmad Nasir**

*Area of Expertise :
Marine Toxicology*



Dr. Lau Lik Ming

*Area of Expertise:
Marine microbiology and aquatic disease*

PROGRAMME LEARNING OUTCOME



1. Describe advanced and comprehensive theoretical and technical knowledge, and demonstrate relevant skills in a specialized field, or of a multidisciplinary nature related to the field of aquatic resource science and management.

2. Apply critical, analytical and evaluation skills to resolve complex application and unpredictable issues with creative and innovative solution(s) in the field of aquatic resource science and management



3. Perform a range of essential methods and procedures, including reviewing, making adjustments and supervising related practices and processes to solve a broad range of complex problems in the field of aquatic resource science and management.

4. Work together with different people in diverse learning and working communities in the field of aquatic science and management as well as other groups locally and internationally

PROGRAMME LEARNING OUTCOME



5. Relate ideas both in written or oral forms using appropriate and different forms of presentation, confidently, accurately and coherently in appropriate context in a well-structured manner to a diversity of audiences.

6. Use a broad range of information, media and technology applications to support study and/or work



7. Combine numerical and graphical/visual data for study/work.

8. Work autonomously, and demonstrate decision making capacities, accountabilities, leadership and professionalism within broad organizational parameters

PROGRAMME LEARNING OUTCOME



9. Integrate effectively in self-directed lifelong learning and professional pathways

10. Demonstrate entrepreneurial competency with selected project(s), including appreciation of broader socio-political economic and cultural issues at local/national and regional level.



11. Ethics and professionalism: Identify ethical issues, make decision ethically, and act professionally within the varied social and professional environment and practice, as well as local and global issues relating to science, technology, business, social and environmental issues

JOIN US TODAY!

BE A PART OF OUR AQUATICIAN STORIES



Get an excellent all-round education & skills, get
involved, talk to people & be persistent!
Learning aquatic is FUN!!!