

TOXICOLOGY AND BIOLOGY OF FISH FOR MITIGATING THE IMPACT OF POLLUTANTS ON AQUATIC ECOSYSTEMS

多文化
共修科目
An Introductory
Seminar

Prof. Dewi Hidayati

Department of Biology
Institut Teknologi Sepuluh Nopember (ITS)
Surabaya Indonesia



5/23 Fri. 13:00-14:30 Lecture Room 206, 1st Lecture Hall

Fish are commonly used as models in ecotoxicology to study the effects of pollutants on aquatic ecosystems. Fish health is often used as an indicator of the overall health of these ecosystems. Understanding the toxicology and biology of fish is crucial for mitigating the impact of pollutants on aquatic ecosystems. Here are some key points from the search results: Fishlaboratory models covering different parts of the life cycle and different routes of exposure are continuously developed and modified in ecotoxicology research. Current standard fish-based tests in ecotoxicology suffer from limited ecological relevance as they rely on species with a relatively slow life cycle that may not be representative of the diversity of fish species in the environment. Fish anatomy and histology as well as fish cell lines are also used as a tool in aquatic toxicology and ecotoxicology research. Overall, reveal that fish biology in several approaches can be valuable tools in ecotoxicology research, allowing scientists to study the effects of pollutants on aquatic ecosystems and develop strategies for mitigating their impact.

Please feel free to join us! The lecture will be available via Zoom.

