



## **School of Fisheries**

### **Centurion University of Technology and Management Paralakhemundi Campus, Orissa - 761211**

#### **REPORT ON THE NATIONAL WEBINAR**

**Date:** 15<sup>th</sup> July 2022

**Time:** 2:00 pm to 4:00 pm

**Topic:** Fish Disease Management and Medicine

The webinar titled "Fish Disease Management and Medicine " was organized by Department of Aquatic Animal Health Management (AAHM), School of Fisheries (SoF), Centurion University of Technology and Management (CUTM), Odisha on 15<sup>th</sup> July 2022 from 2:00 pm to 4:00 pm. The speaker was Mr Jackson Debbarma, Scientist ICAR-Central Institute of Freshwater Aquaculture, Odisha. The webinar started with the inaugural speech by vice-chancellor. Register CUTM detailed about the School of Fisheries. Dean (Admin.) introduced the resource person and invited him to deliver the talk.

The resource person began with an introduction to common fish diseases and their impact on aquaculture. The presenter discussed the different types of diseases affecting fish, including viral, bacterial, parasitic, and fungal infections. The role of biosecurity in minimizing the risk of disease outbreaks was highlighted. The session explored diagnostic techniques used in fish disease management. The presenter discussed various methods such as histopathology, polymerase chain reaction (PCR), enzyme-linked immunosorbent assay (ELISA), and molecular techniques for accurate disease diagnosis. The importance of reliable diagnostics in guiding treatment decisions and disease surveillance was emphasized. The webinar focused on effective strategies for managing fish diseases. The role of environmental management, such as water quality optimization and habitat modification, in disease prevention was also explored.

The session highlighted the role of medicines in fish disease management. The presenter discussed different types of medicines used in aquaculture, including antibiotics, antiparasitics, antifungals, and antivirals. The responsible and judicious use of medicines, including proper dosing, withdrawal periods, and adherence to regulatory guidelines, was emphasized to mitigate risks associated with antimicrobial resistance and environmental contamination. The importance of ongoing research and innovation in developing sustainable and effective disease management strategies was highlighted. Following the presentation, a question-and-answer session allowed participants to engage with the presenter and seek clarification on various topics related to fish disease management and medicine. Participants actively participated in discussions, sharing their experiences, and seeking advice on specific disease challenges they face.

The webinar concluded with a reaffirmation of the significance of fish disease management and the responsible use of medicines in aquaculture. The session provided



participants with valuable insights and practical recommendations for effective fish disease management. Vote of thanks was given by Dr. Krishna Prasad, Dean School of Fisheries, CUTM Odisha Overall, the webinar successfully provided participants with valuable insights into fish disease management and the responsible use of medicines in aquaculture

Total number of participants:102

