



School of Fisheries
Centurion University of Technology and Management
Paralakhemundi Campus, Orissa - 761211

REPORT ON THE NATIONAL WEBINAR

Date: 6th September 2021

Time: 11:00 am to 1:00 pm

Topic: Mucosal Health in Aquaculture

The webinar titled "Mucosal Health in Aquaculture" was organized by Department of Aquatic Animal Health Management (AAHM), School of Fisheries (SoF), Centurion University of Technology and Management (CUTM), Odisha on 6th September 2021 from 11:00 am to 1:00 pm. The speaker was Dr Anirban Paul, 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 speaker began with an introduction to mucosal health and its relevance in the context of aquaculture. Mucosal surfaces, such as the gut, gills, and skin, act as barriers against pathogens, toxins, and environmental stressors. The presenter emphasized the importance of a healthy mucosal immune system for disease resistance and optimal growth in aquatic animals. The presenter discussed how disturbances in any of these areas can compromise the mucosal barrier function and increase the susceptibility of aquatic animals to diseases. The presenter explained the role of mucosal-associated lymphoid tissues (MALT) and the mucosal immune system in recognizing and responding to pathogens. The webinar focused on strategies for disease management that promote mucosal health in aquaculture.

The presenter discussed the importance of biosecurity measures, including quarantine protocols and pathogen screening, to prevent the introduction and spread of diseases. Additionally, the use of probiotics, prebiotics, and immunostimulants as feed additives to support mucosal health was explored. The session highlighted recent advances in research and technology that contribute to the understanding and improvement of mucosal health in aquaculture. Topics such as omics techniques, molecular diagnostics, and novel therapeutics were discussed. The presenter emphasized the importance of continuous research and innovation to enhance mucosal health management practices.

Following the presentation, a question-and-answer session allowed participants to interact with the presenter and seek clarification on various topics related to mucosal health in aquaculture. Participants engaged in discussions on specific challenges they face in maintaining mucosal health and shared their experiences and best practices. Vote of thanks was given by Dr. Sambid Swain, Associate Dean School of Fisheries, CUTM Odisha. Overall, the webinar successfully shed light on the significance of mucosal health in aquaculture and provided participants



Total number of participants:125

