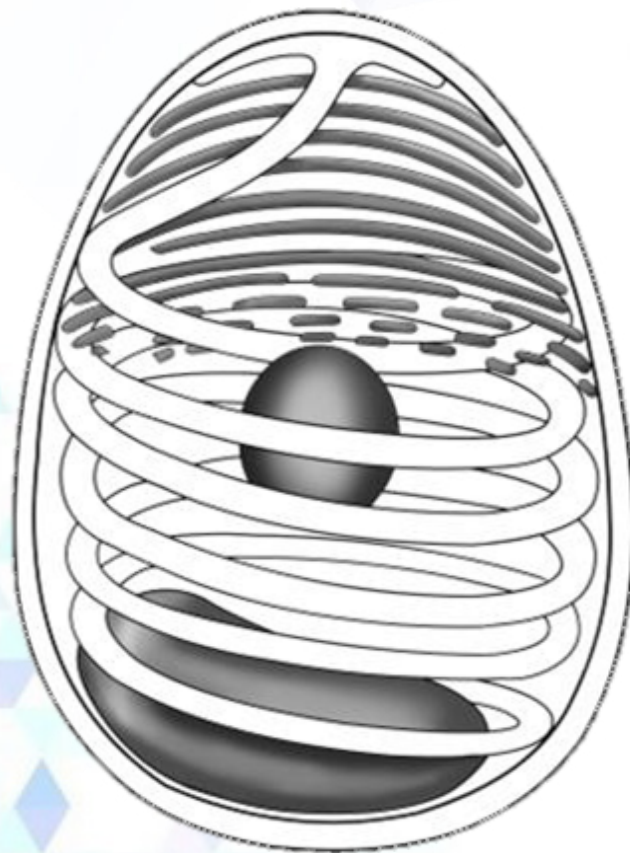




Recent Advances on
**Diagnosis and Management of *Enterocytozoon hepatopenaei*
(EHP) in Brackishwater Shrimp Aquaculture**

26th September -1st October 2022



Programme Director – Dr. K.P. Jithendran, Director, ICAR-CIBA

Registration fee - ₹6,500/-

[Click here for registration](#)

**Organized by
Aquatic Animal Health and Environment Division
ICAR - Central Institute of Brackishwater Aquaculture**



Theory

- Overview of Hepatopancreatic microsporidiosis (HPM) in shrimp
- Biology of *Enterocytozoon hepatopenaei* (EHP)
- *Enterocytozoon hepatopenaei* (EHP): Clinical manifestation, pathology, epidemiology and transmission
- White feces syndrome (WFS)
- Microscopy including wet smear, special staining, SEM and TEM
- Polymerase Chain Reaction (PCR) for early diagnosis of *Enterocytozoon hepatopenaei* (EHP)
- Quantitative detection of *Enterocytozoon hepatopenaei* using Real Time Polymerase Chain Reaction (qPCR)
- Loop-mediated isothermal amplification (LAMP) detection of *Enterocytozoon hepatopenaei* (EHP)
- Management of *Enterocytozoon hepatopenaei* (EHP) in shrimp hatcheries and farms
- Disinfectants and therapeutics in the treatment and control of *Enterocytozoon hepatopenaei* (EHP)

Practical

- Collection and preservation of shrimp samples for diagnosis of *Enterocytozoon hepatopenaei* (EHP)
- Microscopic diagnosis of *Enterocytozoon hepatopenaei* (EHP)
- Histopathological investigation of *Enterocytozoon hepatopenaei* (EHP)
- DNA extraction of *Enterocytozoon hepatopenaei* (EHP) from shrimp hepatopancreas, feces, pond water and pond soil.
- Detection of *Enterocytozoon hepatopenaei* (EHP) in shrimp pond soil
- PCR protocol for detection of *Enterocytozoon hepatopenaei* infection in shrimp
- TaqMan probe based qPCR assay protocol for diagnosis of *Enterocytozoon hepatopenaei* (EHP)
- Loop-mediated isothermal amplification (LAMP) protocol for detection of *Enterocytozoon hepatopenaei* (EHP)
- Trouble shooting in PCR and qPCR

Course fee payment details

Account no. - 10013240762
IFSC code - SBIN0005797
Account Name- ICAR UNIT - CIBA
Bank Name - State Bank of India
Branch - Santhome Branch, Chennai - 28
UPI ID - ICARCIBA@SBI
Amount - Rs.6,500/- (including GST)



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