



**NEHRU MEMORIAL COLLEGE (AUTONOMOUS)**  
**(Nationally Reaccredited with 'A+' Grade by NAAC)**



**Puthanampatti, Tiruchirappalli District, Tamil Nadu – 621 007**

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## **PG and Research Department of Zoology**

### **Organized one-Day Seminar on “Commercial Importance of Zooplanktons” on 22<sup>nd</sup> December 2023**

The PG and Research Department of Zoology organised a seminar on “Commercial Importance of Zooplanktons” on 22<sup>nd</sup> December 2023 between 1.30pm and 3.30 pm at seminar Hall (IT Block). Staff members and students of B.Sc., Botany, Zoology and M.Sc., Zoology programmes attended the seminar.

**Dr. P. Neelanarayanan, Principal (i/c)**, Nehru Memorial College welcomed the gathering and highlighted the importance of planktons to the participants. **Dr. M. Meenakshisundaram**, Co-ordinator, Self-financed programmes of Nehru Memorial College felicitated the students on this occasion.

**Dr. A. Janakiraman**, Project Scientist-II, Department of Marine Biotechnology, National Institute of Ocean Technology, Pallikaranai, Chennai delivered the special lecture on “**Commercial Importance of Zooplanktons**”. He emphasized zooplanktons are ecologically as well as economically important organisms. Zooplankton studies are helpful in taxonomic identification and to find out the evolutionary relationship within and between the species. Due to their quick responses to physico-chemical parameters variations, they are often availed toxicological studies and environmental monitoring because of their short life span and wide distribution. Zooplanktons serve as a Bio-indicators of aquatic pollution. Use of zooplankton in Bioremediation treatment is quite interesting. Zooplanktons used as a clarifier (reducing the suspended solid content) and disinfectant (reducing the bacterial load), and optimization of these processes would make zooplankton suitable for tertiary wastewater treatment. Several experiments proved that zooplanktons reducing BOD content through the consumption of particulate organic matter.

Zooplanktons act as Bio-control agent by consuming mosquito eggs and larvae. Zooplanktons are used in aquaculture as live feed (living capsule) is indispensable. Since, the

availability of different larval stages and suitable sizes, they are ideal organisms used as starter feed for many commercial fin fishes and shell fishes of both freshwater and marine organisms. Further, bio-products such as chitin and chitosan used in Biomedical research and also used as antimicrobial agents, anti-aging cosmetics, vaccine adjuvant, tissue engineering and wound healing, involvement of zooplanktons in research were explained. As many as 120 students and faculty members eagerly participated the programme. And students asked several questions and all doubts were cleared by Dr. A. Janakiraman. At the end, **Dr. G. Priya, Assistant Professor** of Zoology and organizing Secretary of this seminar proposed the vote of thanks. The programme concluded with National anthem at 3.30pm.



**Dr. P. Neelanarayanan, Principal (i/c) delivered the welcome address**



**Felicitation address by Dr. M. Meenakshi sundram, Co-Ordinator (SF programmes)**



**Special lecture on “Commercial Importance of Zooplanktons” given by  
Dr. A. Janakiraman, Scientist -II, NIOT, Pallikaranai, Chennai**



**Staff and Students who attended the Seminar**

**Students' interaction with Chief Guest Dr. A. Janakiraman, Scientist, NIOT.**





**Dr. G. Priya, Assistant Professor and Programme Organizer proposed vote of thanks**