

Topic: Preparation and identification of permanent slide of rectal ciliates in frog.

Resource person: Dr. Bhagyashree Mahanta, Asst. Prof. Department of Zoology, USTM, Meghalaya.

Date: 21st August, 2024

Venue: Seminar Hall, Department of Zoology.

The Department of Zoology, Morigaon College organized a One Day Practical Workshop on "Preparation and Identification of Permanent Slide of Rectal Ciliates in Frog" on 21.08.2024 in the Zoology Laboratory, Department of Zoology, Morigaon College. Dr. Bhagyashree Mahanta, Asst. Prof. Department of Zoology, USTM, Meghalaya, served as the resource person and guided the participants through the systematic process of slide preparation. The workshop aimed at providing hands-on experience to masterdegree students in classical microscopic techniques and protozoan identification. Participants were introduced to the anatomy and physiology of amphibians with a focus on the rectal region, where commensal ciliates are commonly found. The session included ethical handling of specimens, dissection techniques, isolation of rectal contents, and staining procedures using methyl green and borax carmine. The practical component involved preparing semi-permanent and permanent slides of rectal ciliates, mounting using DPX, and identification of various species under a compound microscope. Special emphasis was given to identifying *Balantidium* spp., one of the most common ciliates found in frog rectum. The workshop concluded with an interactive discussion where students shared their observations and clarified their doubts regarding microscopic techniques and protozoan diversity.

Lecture Series/ Hands on Training

on

PREPARATION AND IDENTIFICATION OF PERMANENT SLIDE OF RECTAL CILIATES IN FROG

Resource person: DR. BHAGYASHREE MAHANTA

Assistant Professor, Dept. of Zoology

UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA

Organised by

DEPARTMENT OF ZOOLOGY

Sponsored by

DBT, Star College Scheme

DATE: 21.08.2024 TIME: 11.00 A.M

VENUE: SEMNAR HALL, DEPT. OF ZOOLOGY



Hands on Training on Identification and preparation of permanent slide of rectal ciliates in frog

Hands on Training

A hands on training workshop was organised by Department of Zoology, Morigaon College sponsored by DBT star college scheme on the topic "Identification and Preparation of permanent slides of neural ciliates in Frog".

Resource person: Dr. Bhagyashree Mahanta
Venue: Laboratory, Department of Zoology, Morigaon College

Time: 2.00 p.m

1. Dr. Bhagyashree Mahanta
2. Dr. Yaree
3. Rijuana Ahmed
4. Manjita Modak
5. Rami Boro
6. Ayesha Siddiquea
7. Deepkha Devi
8. Gayatri Ampuli
9. Bikash Biswal
10. Abdal Quis Bani
11. Madhubanti Das
12. Niharika Kevi
13. Sanjana Devi
14. Mahinur Ahmed
15. Barnali Dutta
16. Chinmoyee Bora
17. Piya Das
18. Malaya Mandal
19. Niharika Hukai
20. Abdur Rauf

