

# Report on Field Exposure Visit to Manipur University

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## Introduction

The Department of Botany, Pettigrew College, organized a field exposure visit to the Department of Botany, Manipur University. The primary objective was to provide students with an opportunity to interact with university professors, observe research scholars at work, and become familiar with the latest scientific equipment and research methodologies in the field of Botany.

## Purpose of the Visit

- To facilitate interaction between students and professors from Manipur University.
- To observe ongoing research activities and laboratory work.
- To introduce students to advanced scientific equipment and laboratory techniques.
- To motivate students towards higher studies and research in Botany.

## Activities and Interactions

### 1. Academic Interaction and Presentation

Dr. Kananbala Sarangthem, Professor & Head, Department of Botany, Manipur University, delivered an informative presentation. Using interactive boards, she covered:

- The aims and vision of the department
- Department profile and achievements
- Overview of facilities and equipment
- A brief interactive session with students and faculty



With Faculty members and scholar of Manipur University



Prof. Kananbala Sarangthem, Head, Department of Botany, Manipur University and Luet. Rinngamla Shimrah, Head, Dept. Of Botany, Pettigrew College, Ukhrul

## 2. Visit to Microbiology and Research Laboratory

Dr. Amit Seth, Professor, along with his faculty colleagues and research scholars, welcomed the group to his laboratory.



### ○ **Introduction to Research Work:**

Dr. Seth provided an overview of ongoing research projects, highlighting focus areas and recent achievements.

○ **Laboratory Tour:** The visitors were guided through the laboratory, with explanations about the layout, organization, and purpose of various workstations.

○ **Equipment Demonstration:** Advanced instruments and equipment were showcased, with detailed explanations of their functions and significance in experimental research.

○ **Faculty and Scholar Interaction:** Students interacted with faculty members and research scholars, learning about individual research topics and daily laboratory activities.

○ **Hands-on Observation:** Live experiments and practical demonstrations allowed students to observe research techniques and data collection methods first-hand.

## 3. **Plant Physiology Laboratory**

Dr. Heikham Evelin led the demonstration of her Plant Physiology laboratory, assisted by her team of Ph.D. students.

○ **Introduction to Research Areas:** Dr. Evelin provided an overview of ongoing research in plant physiology, like growth and development studies.





**Demonstration of Equipment:** Students were introduced to advanced laboratory equipment such as PCR machines, spectrophotometers, and microscopes, with explanations of their applications in plant research.

#### 4. **Laboratory Tour with Dr. Yengkhom Tunginba Singh**

Dr. Yengkhom Tunginba Singh, Professor, personally guided the students on his genetic lab tour. Dr. Singh explained the various research activities and facilities available in his lab.

- **Demo Research by Scholars:** His research scholars conducted a demonstration of their ongoing research projects, allowing students to observe experimental setups and data collection methods.
- **Interactive Session:** Students had the opportunity to ask questions and discuss the research process with Dr. Singh and his team, gaining practical insights into laboratory work and research methodologies.

#### 5. **Informal Interaction with Ecology and Plant Taxonomy Faculty**

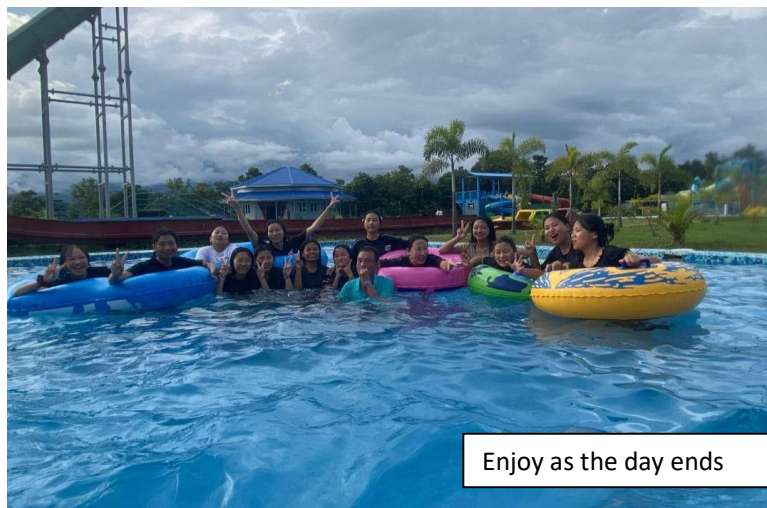
In addition to the scheduled activities, students and faculty from Pettigrew College had a short, informal interaction with experts in ecology and plant taxonomy.

- During this session, students discussed topics related to ecological research and plant classification.
- Faculty experts shared their experiences and provided practical advice on pursuing studies and research in these fields.
- The informal setting encouraged open dialogue and allowed students to ask questions about career opportunities and current trends in ecology and taxonomy.

#### **Key Highlights of the Visit**



- **Open Discussions:** Students engaged in discussions with guest faculty, gaining insights into advanced topics and current trends in Botany.
- **Research Experience Sharing:** Research scholars shared their experiences, ongoing projects, and challenges faced during their research journey.
- **Exposure to Modern Equipment:** Students observed the use of state-of-the-art laboratory equipment and learned about their roles in scientific research.
- **Motivation for Higher Studies:** The visit inspired students to consider pursuing higher education and research careers in Botany.
- **Strengthening Academic Ties:** The visit fostered a stronger academic relationship between Pettigrew College and Manipur University.



### Conclusion

The field exposure visit to Manipur University was a highly enriching experience for the students and faculty members of Pettigrew College. It provided valuable academic exposure, practical insights into research, and motivation for future academic pursuits. The visit also laid the foundation for future collaborations between the two institutions.