



Institution's Innovation Council, Sir MVIT
Outreach program on "Innovative and Practical Approach-Based Teaching in Biology"

24th May 2024

Report

The department successfully organized a one-day hands-on workshop titled "Innovative and Practical Approach-Based Teaching in Biology" on May 24th, 2024, specifically designed for rural school teachers from Agastya International Foundation, Bengaluru. The event attracted 30 biology teachers from various regions of Karnataka and Andhra Pradesh, providing them with practical experience and valuable insights.

Objectives of the event:

- Equip rural school biology teachers with innovative and practical approaches to teaching complex biological concepts.
- To provide participants with direct laboratory experience in DNA extraction, quantification, and the study of mitosis and meiosis, enabling them to incorporate these techniques into their classrooms.
- Strengthen the understanding of theoretical concepts by demonstrating their practical applications in a laboratory setting.
- Encourage collaboration and networking among biology teachers from different regions, facilitating the exchange of teaching strategies and experiences.

Highlights:

During the session, participants engaged in a variety of laboratory activities, including DNA extraction, DNA quantification, and the study of divisional stages in mitosis and meiosis. To ensure a comprehensive understanding, the session began with a detailed explanation of the theoretical concepts and applications related to these experiments, preparing the teachers for the hands-on experience that followed.

Feedback was collected at the conclusion of the workshop, with participants expressing their deep appreciation for the opportunity to enhance their teaching skills. Dr. H.G. Nagendra, Professor and Head of the department, addressed the attendees, extending an open invitation for future technical and academic support from the Institute. Mr. Suresh T.S., General Manager of Agastya International Foundation, accompanied the group and also expressed his gratitude to the department, institution, and management for their unwavering support in organizing such impactful events. The workshop was coordinated by Dr. Rashmi K.V., Associate Professor in the department.

Outcomes:

- Participants gained practical skills and innovative methods to effectively teach biology, leading to more engaging and informative classroom experiences for their students.
- Participants were able to bridge the gap between theoretical knowledge and practical application, which will help them deliver more comprehensive and hands-on biology lessons.

Dr. Rashmi K.V.
Associate Professor & Event Co-ordinator



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE 562 157**

DEPARTMENT OF BIOTECHNOLOGY

Organizes

**Innovative and Practical Approach Based Teaching
in Biology**

(An outreach program)

For

Biology Teachers of "Agastya Foundation"

Date : 24th May 2024

Time: 9:00 AM to 4:30 PM

Venue: Biotechnology Department

"All are invited"

Glimpses of the event

