



3 DAYS REPORT
OF
HANDS ON WORKSHOP
ON
DNA BARCODING

Submitted

By

**Karmaveer Bhaurao Patil Mahavidyalaya,
Pandharpur (Autonomous)**

Rayat Shikshan Sanstha's

KARMAVEER BHAURAO PATIL MAHAVIDYALAYA, PANDHARPUR

(Autonomous)

Department of Zoology, Botany, IQAC & Student Teacher Research Cell

Organized

3 Days Hands on Workshop

Under Management Development Programme (MDP) & RUSA Component 8

2022-23

- **Title of Programme:** 3 Days Hands on Workshop on DNA Barcoding.
- **Collaborating Institution:** National Facility for Biopharmaceutical Mumbai
- **Date of Event:** 9th to 11th March 2023
- **Objectives:**
 1. To develop skill among the students.
 2. To impart latest knowledge of DNA Barcoding.
 3. To develop scientific approach among students.
 4. To make student familiar with the latest equipment required in DNA Barcoding.
 5. To develop practical skill of PCR and Bioinformatics among students.
- **Number of student participated:** Faculty:18, Students:40, Total: 58
- **Report:**

Day: 1: Thursday: 9/3/2023

Inaugural Ceremony:

The department of Zoology, Botany, IQAC and Student Teacher Research Cell has organized 3 days Hands on Workshop on DNA Barcoding between 9th to 11th March 2023 under Management Development Programme (MDP) and RUSA Component 8. On 9th March 2023, the programme was inaugurated by Principal of the College, Dr. Chandrakant Khilare. On behalf of Institution, He has welcome all the instructor of Mumbai.

Following Instructor from National Facility for Biopharmaceutical, Mumbai (Khalsa College, Mumbai) were present for the workshop.

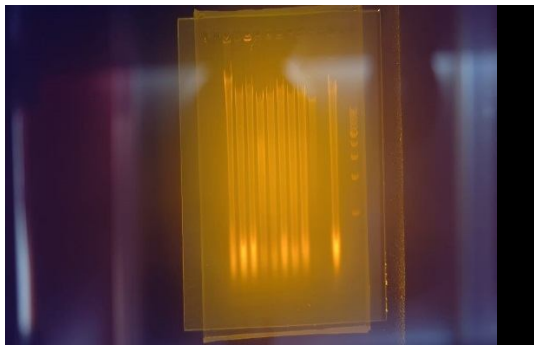


Sr. No.	Name of Instructor	Designation
1.	Mrs. Shalmali Pendse	Incharge Animal tissue culture lab, SRF
2.	Ms. Valencia Dsouza	SRF, Animal tissue culture lab
3.	Mr. Vikas Jha	Incharge, Molecular biology lab, SRF
4.	Mr. Dattatraya Sawant	Incharge, Microbiology lab, SRF
5.	Mr. Joshua Koli	Junior Analyst, Protein Purification lab

Dr. A.B. Kamble has made the introductory speech in the inaugural ceremony. Dr. N.M. Pise has proposed the vote of thanks.

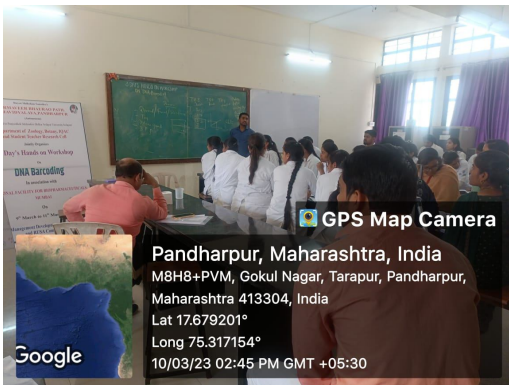
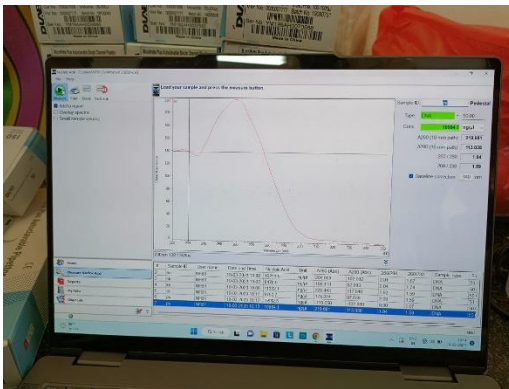
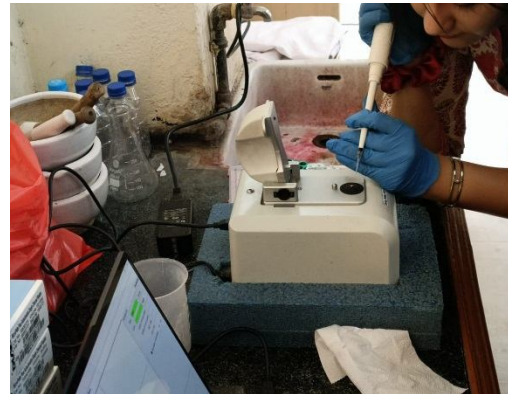
Venue: Lakshmibai Bhaurao Patil Auditorium.

Technical Sessions: The technical session was carried out in the laboratory of Zoology (C106) and Botany (C108). **Mrs. Shalmali Pendase:** Incharge Animal tissue culture lab, SRF has given common instructions to all student. They made 5 batches comprising 10 students. Five experimental sets were kept in the laboratories. Instructor has shown preparation procedure of plant extract by using Tecoma stans. The have used mortal pestle for making homogenate with the help of CTAB Buffer. They made centrifuge. In the supernatant, they added 1 ml of chloroform:Isoamyl alcohol. After it, they again made centrifuge for 3 times by using 100% ethanol and 70% ethanol. After it they have used Pellet. TE Buffer was added in the pellet. Then he loaded DNA sample on Agarose Gel.



Day: 2: Friday: 10/3/2023

Technical Sessions: The technical session of day 2 was carried out in the laboratory of Zoology (C106) and Botany (C108). **Mr. Vikas Jha:** Incharge Molecular biology lab, SRF, National Facility for Biopharmaceutical Mumbai has given demonstration of Polymerase Chain Reaction (PCR). He has shown the materials and chemical required for PCR. He has shown how to add Distilled water, Taq Buffer, dNTPs, Primer 1 and 2, Taq pol and Tempalte. He has shown a procedure for Incubation. He made amplification of DNA by PCR.



Day: 3: Friday: 11/3/2023

Technical Sessions: The technical session of day 2 was carried out in the computer laboratory of Department of Entire Computer Science (ECS) and BCA. **Mr. Vikas Jha:** Incharge Molecular biology lab, SRF, National Facility for Biopharmaceutical Mumbai has given demonstration of Bioinformatics. At the same **Mrs. Shalmali Pendase:** Incharge Animal tissue culture lab, SRF has given demonstration of Bioinformatics. All other

instructor Ms. Valencia Dsouza, Animal tissue culture lab, Mr. Dattatraya Sawant, Incharge Molecular biology lab, SRF, Mr. Joshua Koli, Junior Analyst, Protein Purification lab has assisted to all student while doing the practical's.



Coordinator
Dr. N.M. Pise

Convener
Dr. A.B. Kamble

Principal
K.B.P. Mahavidyalaya, Pandharpur
Autonomous

Date: 11/3/2023
Place: Pandharpur