



Dr. Ambedkar College, Deekshabhoomi, Nagpur

Department of Biochemistry and Biotechnology

Interdisciplinary Activity of Biochemistry & Biotechnology and Zoology

### Report

Department of Biochemistry and Biotechnology of Dr. Ambedkar College, Deekshabhoomi, Nagpur has organised an Interdisciplinary Activity for the students of Zoology on 23<sup>rd</sup>, March 2024 at 12.00 Noon. Interdisciplinary collaboration between the Zoology department and the Department of Biochemistry and Biotechnology has been established to conduct experiments on DNA isolation and SDS-PAGE (Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis). This collaboration aims to integrate knowledge and methodologies from both fields to enhance understanding and application in molecular biology research. The primary objective of this interdisciplinary activity is to perform DNA isolation from Spinach leaf and analyze the protein using SDS-PAGE. Additionally, this collaboration aims to familiarize students with various instrumentation techniques commonly used in molecular biology research. Dr. Utpal Dongre, Head of the Department of Biochemistry and Biotechnology, Dr. Ambedkar College, Deekshabhoomi, Nagpur gave briefing about the interaction and motivated the students to perform all the practicals. Mr. Pradip Hirapure, Assistant Professor, Department of Biotechnology gave the basic introduction about the isolation methods and its significance. Dr. Suresh Suryawanshi, Assistant Professor, Department of Biochemistry gave the briefing about the multiple steps including DNA extraction, isolation and visualization through gel electrophoresis. Dr. Bharat Kharat, Assistant Professor, Department of Biochemistry, explained SDS-PAGE technique for the protein identification and also briefed them about its significance. Ms. Rita Lakkakul, Assistant Professor, Department of Biochemistry, explained all the students about various instrumentation used in molecular biology and gave its applications. The interdisciplinary approach incorporates techniques from both Zoology and Biochemistry/Biotechnology departments. Dr. Utpal Dongre and Dr. DVNS Suresh, head of the department of Zoology also took an initiative to make this program a huge success. At the end feedback forms were distributed amongst the students for their review on the program. Around 20 students participated in the programme with enthusiasm and curiosity.

## Glimpses of the Programme



Zoology student's interaction with Department of Biochemistry and Biotechnology Faculty

# STUDENT ATTENDANCE

		Semester VI	2023-24
Sr. No.	Student Name	Contact No.	signature
1	ADITI ARVIND NANDESHWAR	8956025787	<i>Mandeshwar</i>
2	ADITI HARISH SOMKUWAR	9579661645	<i>Somkuwar</i>
3	ANKITA UMRAO GAJBHIYE		
4	ANUSHKA SUNIL KAREMORE		
5	BASURI P. BHUTE	9730304728	<i>Bhute</i>
6	DHANASHREE V. KHAIRE		
7	DHANSHREE R. GAJBHIYE		
8	DIKSHA J. CHOURPAGAR		
9	GARIMA RAKESH SWAMNANI		
10	ISHIKA PRADIP CHAURE	7057680052	<i>Isika</i>
11	JANVI ASHOK WANE	9699440367	<i>Janvi</i>
12	JYOSHNA RAJESH KURVANSHI	7038755603	<i>Jyoshna</i>
13	KALASH GAUTAM DHOKE	7083554594	<i>Khote</i>
14	KANCHAN SANJAY DEOGHARE		
15	KASHISH RAJESH MANKAR	7768010936	<i>Kashish</i>
16	KOMAL ARVIND TEMBHARE	8550913735	<i>Komal</i>
17	KRUTIKA ASHISH BORKAR		
18	KRUTIKA J. BARSAGADE		
19	NEHA CHANDRAKANT KAWALE		
20	PAYAL PATIRAM PATOLE	7796130780	<i>Payal</i>
21	POOJA RAJBEER TOKAS	8483918712	<i>Pooja</i>
22	PRASHANSHA KORI	8839007794	<i>Prash</i>
23	PRATIKSHA JAYPAL MASULKAR		
24	PUROHIT NANDINI SUBHASH		
25	RUCHI CHARANDAS RATHOD		
26	RUTUJA YOGIDAS NISWADE		
27	SAKSHI AMARSING KALSE		
28	SAMIKSHA S. PANCHBHAI		
29	SHEELA SANJAY PANDHARE		
30	SHIVANEE ARUNJI TEKADE	9373675889	<i>Shivane</i>
31	SIDDHESHWARI S. PARATE	9730329832	<i>Sarad</i>
32	SWEJAL NITESH KHOBRAGADE		
33	TANISHKA AVINASH SAHARE		
34	TANUSHREE P. LANJEWAR	7709200165	<i>Tanjewar</i>
35	THORVI VIJAY RAUT		
36	VAISHNAVI VINOD KHANDATE		
37	ARIHANT ANIL RAMTEKE		
38	DAHIWALE A. MAHENDRA		
39	GAIKI R. CHAKRADHARI		
40	KULDEEP RAVINDRA GOTMARE		
41	LILESH PREMSING RATHOD		
42	OJAS MAHENDRA AMBAGADE		
43	PATRE PIYUSH PRAVIN		

# Interdisciplinary Activity Of Biochemistry & Biotechnology And Zoology - Feedback Form

[Dr. Ambedkar College, Deekshabhoomi Nagpur](#)

Name of student \*

Shalini nayakwar

Mobile No. \*

7559431660

Semester \*

II

IV

VI

How satisfied were you with the workshop? \*

Excellent

Good

Fair

Poor

Was the content described relevant? \*

Excellent

Good

Fair

Poor

How would you rate the faculty? \*

Excellent

Good

Fair

Poor

Do you have any suggestions? \*

Nope

.....

This content is neither created nor endorsed by Google.

# Google Forms

# Interdisciplinary Activity Of Biochemistry & Biotechnology And Zoology - Feedback Form

[Dr. Ambedkar College, Deekshabhoomi Nagpur](#)

Name of student \*

Suhani Shahu

Mobile No. \*

7820982874

Semester \*

II

IV

VI

How satisfied were you with the workshop? \*

Excellent

Good

Fair

Poor

Was the content described relevant? \*

Excellent

Good

Fair

Poor

How would you rate the faculty? \*

Excellent

Good

Fair

Poor

Do you have any suggestions? \*

No

---

This content is neither created nor endorsed by Google.

# Google Forms

# Interdisciplinary Activity Of Biochemistry & Biotechnology And Zoology - Feedback Form

[Dr. Ambedkar College, Deekshabhoomi Nagpur](#)

Name of student \*

Ishika Pradip Chaure

Mobile No. \*

7057680052

Semester \*

II

IV

VI

How satisfied were you with the workshop? \*

Excellent

Good

Fair

Poor

Was the content described relevant? \*

Excellent

Good

Fair

Poor

How would you rate the faculty? \*

Excellent

Good

Fair

Poor

Do you have any suggestions? \*

Nope

---

This content is neither created nor endorsed by Google.

# Google Forms