

Shri Shivaji Education Society Amt's, Science College, Nagpur.
Three Days Intercollegiate Workshop
organized by Department of Zoology
**“Hands on Training of Micro-techniques and
Biostatistics : Integrating Techniques for Research and
Entrepreneurial Purposes”**

Venue – Conference hall / Zoology Laboratory

Date - 15 to 17th March 2023

Shri Shivaji Education Society's, Science College, Congress nagar, Nagpur, on the occasion of 125th Birth Anniversary of our founder President, a great Educationalist Shree Punjabrao alias Bhousaheb Deshmukh and Centenary Year of Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur under the Aegis of IQAC, the Department of Zoology organizes different Cocurricular activities to enhance the knowledge, Applications of Microtechniques in Various Research Fields, Integration of Microtechniques into Research Methodology information, skill development, Importance of Biostatistical Analysis in Entrepreneurial Decision Making, Statistical Tools for Market Analysis and Business Planning and acquaintance of students with new technological methods. Every Year Department of Zoology Conducted different intercollegiate workshops related to syllabi with updated new conceptual development among the students. This year also Department of Zoology Conducted three days Intercollegiate workshops from 15 to 17th March on Microtechniques and Biostatistics for students and researchers. The workshop was inaugurated at the hand of Hon'ble Principal, Prof. M.P. Dhore, in the presence of distinguished guests Dr. Vijay Bhagat sir, Head of department, Prof. A. D. Bobdey sir, Dr. Seema Kadu, Dr. Rupali Bhagat, Convener, Prof. Sharayu Ghonmode, Dr. Shilpa Katre, Dr. Pranita Gulhane and Ms. Shivani Patil.

In this context Dept. of Zoology organized a memorable intercollegiate 3 days' workshop from 15 to 17th March 2023 based on Hands-on training on Techniques of Microtechniques and Biostatistical analysis. The workshop

focuses on development of creative thinking skills that framework our students in the 21st Century and thus Empowerment of creative thinking skills must be a concern for all educators.

The important objective of our department is to organize such Intercollegiate workshops for students, and researchers to motivate the ability to think creatively and generate a research attitude to use appropriate methods. Furthermore, studies that involved the students in laboratory activities such as formulating titles, problems, objectives, hypotheses, and determining tools for work procedures are needed. In conclusion, we hope the students will able to build strong connections between science studies with their life as a major component of education reform also to understand the nature and importance of scientific inquiry as a human endeavour.

The workshop implementation will be conducted in several phases, at very first day 1 we are organized, Lecture of Prof. Bhagat based on explanation of Animal Tissue Microtechniques followed by Hands-on training session in the laboratory. On 2nd day of workshop students will be acquainted by the Molecular biology techniques with the implementation of laboratory techniques. On 3rd day of the workshop organized an informative lecture series on techniques in Microbiology in first session and techniques in Biostatistics during second session with presentations and group discussions.

Day-1: Morning session Inauguration and Guest Lecture by Distinguished Guest, Dr. V.J. Bhagat sir on Microtechniques and Animal Tissue Culture. Afternoon Session Hand-on Training on Animal tissue processing, Microtechnique processes, and Double staining methods. Also highlighted approaches for Data Collection and Analysis for Research and Entrepreneurial Purposes.

Day-2: Hands-on training on Gel Electrophoresis. Demonstration, Processing, and loading of Samples of Plasma DNA and Ribosomal DNA using a Hi-media Kit, by Dr. Pranita Gulhane and staff members of the Biotechnology Department.

Day-3: In the Morning session Organized a Guest Lecture on Molecular Biology and Genomic Sequencing techniques by Dr. Pranita Gulhane from Biotechnology Department. Afternoon Session Guest Lecture on Biostatistic techniques by Ms. Shivani Patil from Biostatistics Department. Certificate Distribution for the all participants carried at the hand of Delegates to motivate all the students to participate such informative workshops in future.





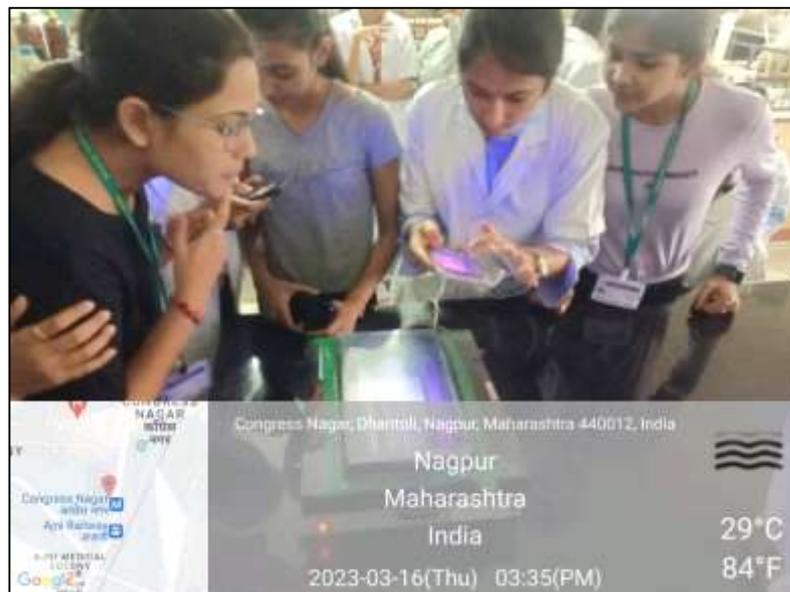
1st Session – Lecture of Prof. Vijay Bhagat



2nd Session – Hands on training of microtechnique by Prof. Bhagat



2nd day 1st Session- Demonstration of Biotechniques by Dr. Pranita Gulhane



2nd day 2nd Session – Hands on training of Biotechniques by Dr. Pranita Gulhane.



3rd day 1st Session – Lecture on techniques in Molecular Biology by Dr. Pranita Gulhane



3rd day 1st Session – Lecture on techniques in Biostatistics by Ms. Shalini Patil



3rd day 2nd session Valedictory and counselling of student

SSES AMRAVATIS SCIENCE COLLEGE CONGRESS NAGAR, NAGPUR-12

(On the eve of 125th Birth Anniversary of Late Panjabrao alias Bhausahab Deshmukh)

WORKSHOP ON HANDS ON TRAINING OF MICROTECHNIQUE AND BIOSTATISTICS

INAUGURAL PROGRAMME – 15/03/2023

1. LIGHTING OF LAMPS BY DIGNITORIES

2. WELCOME OF GUESTS BY SAPLINGS

- Chairman (Hon'ble Principal) – by Prof. A.D.Bobdey, Head Dept. of zoology

- Prof. V.B. Bhagat (Guest of honour) – by Hon'ble Principal

- Dr. Sanjeev kumar Singh (Technician) by Prof. A.D. Bobdey

- Dr. Mrs. Pranita Gulhane (resource person) by – Dr. Mrs. Rupali PatilBhagat

- Ms Shivani Patil (resource person) by – Dr. Ms. Sharyu Ghonmode

3. INTRODUCTION OF GUESTS - STUDENT

4. INTRODUCTORY SPEECH – DR. MRS. SEEMA KADU

5. FEW WORDS – HEAD OF THE DEPARTMENT

6. ADDRESS BY CHAIRMAN (Hon'ble Principal)

7. VOTE OF THANKS – DR. MRS. RUPALI PATILBHAGAT

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WORKSHOP ON HANDS ON TRAINING OF MICROTECHNIQUE AND BIOSTATISTICS

PROGRAMME SCHEDULE

15,16 & 17TH OF MARCH 2023

- 15/03/2023- 1st Session-
- 9.30 AM TO 11.30 AM - Lecture by Prof. Vijay Bhagat “ SKILLS ON MICROTECHNIQUES”
 - 11.30 TO 12.00 - Inauguration Programme
 - 12.00 TO 1.00 - Lunch Time
- 2nd Session-
- 1.00 TO 5.00 - HANDS ON TRAINING OF MICROTECHNIQUE
- 16/03/2023- 1st Session-
- 11.30 TO 12.30 - Demonstration of Bio-techniques
 - 12.30 TO 1.30 - Lunch Time
- 2nd Session-
- 01.30 TO 5.00 - Hands on training of Bio-techniques
- 17/03/2023- 1st Session-
- 11.00 TO 01.00 - Lecture by Dr. Pranita Gulhane “Special Techniques in
Molecular Biology”
 - 1.00 TO 2.00 - Lunch time
- 2nd Session-
- 2.00 – 4.00 Valedictory function Feedback and Certificate distribution

List of Participants:

INTERCOLLEGIATE WORKSHOP
ORGANIZED BY DEPARTMENT OF ZOOLOGY
HANDS-ON TRAINING MICROTECHNIQUES AND BIOSTATISTICS
Hands on training on Micro-techniques – Day- 1

Attendance sheet

Date- 15/03/2023

Sr. No.	Name of Student	Name of College	Signature
32.	Janvi Wadetiwar	— 11 —	
33.	Isha Sarwe	— 11 —	
34.	Saloni Sohu	— 11 —	
35.	Twinkle Rao	— 11 —	
36.	Harish Waghmare	— 11 —	
37.	Utkal Deshpande	— 11 —	
38.	Prathal Kadam	— 11 —	
39.	Jankari Patil	— 11 —	
40.	Aditi Gavi	} — 11 —	
41.	Ayushi Hedau		
42.	Vaishnavi Kulkarni		
43.	Thori Kulkarni		
44.	Akshay Bhatkulkarni		
45.)	Rohit Samkule		
46.	Samay Gaurkar		
47.	Pranav Atkar		
48.	Aditi Jain		
49.	Tasbiha Khanwar		
50.	Saloni Gautam		
51.	Jushant Nimbhorkar	— 11 —	
52.]	Aashiya Shaikh	— 11 —	
53.)	Yukta Malhotra	— 11 —	
54.)	Aparna Damedkar	— 11 —	
55.)	Sanskriti Ghodmare	— 11 —	
56.)	Tejaswini Mute	— 11 —	

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Hands on training on Molecular Biology: Day- 2

Attendance sheet

Date- 16/03/2023

Sr. No.	Name of Student	Name of College	Signature
1]	Ketki .N .Sankusare	shivaji science college, Nagpur	Ketki
2]	Priyadarshini. Pandurav	- 11 -	Priyadarshini
3]	Tanisha Sukheja	- 11 -	Sukheja
4]	Palak K. Mehta	- 11 -	Palak
5]	Neha .J. Raut	- 11 -	Neha .J. Raut
6]	Tejasvini R. Mutk	- 11 -	Tejasvini
7]	Sanskriti Ghodmare	- 11 -	Sanskriti
8]	Purva Patankar	- 11 -	Patankar .
9]	Hrushika Hatwar	- 11 -	Hatwar
10]	Sanskriti Kolhe	- 11 -	Sanskriti
11]	Apurva Damedhar	- 11 -	Damedhar .
12]	Anjali Bhusari	- 11 -	Anjali
13]	Isha sanwe	- 11 -	Isha
14]	Jarvi waddetiwar	- 11 -	Waddetiwar .
15]	Ritika Tandekar	- 11 -	Ritika
16]	Veishnavi kukde	- 11 -	Kukde
17]	Thorvi kubale	- 11 -	Thorvi
18]	SHRAYANI KHARCHP	- 11 -	Shrayani
19]	Aditi jain	- 11 -	Aditi
20]	Tarbhira Chaudhary	- 11 -	Tarbhira
21]	saloni gautam	- 11 -	Saloni
22]	Akshay Bhatkulkar	- 11 -	Akshay
23]	Ayushi Hedau	- 11 -	Ayushi

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HANDS-ON TRAINING MICROTECHNIQUES AND BIOSTAISTICS

Hands on training on Molecular Biology: Day- 2

Attendance sheet

Date- 16/03/2023

Sr. No.	Name of Student	Name of College	Signature
24)	Aditi Givi	shivaji science collage nagpur	Aditi
25)	Pranay Atkar	— —	Pranay
26)	Janhavi Taikar	— —	Janhavi
27)	Saloni Sahu	— —	Saloni
28)	Twinkle Rao	— —	Twinkle
29)	Akansha Chakre	— —	Akansha
30)	Dimple Udan	— —	Dimple
31)	Snehal .S.Kalamkar	— —	Snehal
32)	Nimisha Kalkatwar	— —	Nimisha
33)	Krishna S. Wankhede	— —	K. Wankhede
34)	Chaitali Patil	— —	Chaitali
35)	Falguni shivhare	— —	Falguni
36)	Karnini funne	— —	Karnini
37)	Panchal sharma	— —	Panchal
38)	Aashiya shaikh	— —	Aashiya
39)	Prash Waghmare	— —	Prash
40)	Shivam Dekapurwar	— —	Shivam
41)	Harsh Waghmare	— —	Harsh
42)	Sameer Gaurkar	— —	Sameer
43)	Prathamesh Budle	— —	Prathamesh
44)	Komal Khobragade	— —	Komal
45)	Nandini Raipure	— —	Nandini
46)	Vrushali Pachpohar	— —	Vrushali
47)	Rohit Jambhule	— —	Rohit

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HANDS-ON TRAINING MICROTECHNIQUES AND BIOSTAISTICS

Hands on training on Molecular Biology: Day- 2

Attendance sheet

Date- 16/03/2023

Sr. No.	Name of Student	Name of College	Signature
46.	Saee Mahesh Joshi	Shri Shivaji science college	
47.	Riya Paikmare	-11-	
48.	Ishita Chelwani	-11-	
49.	Gargee Vichore	-11-	
50.	Dibina Dinakaran	-11-	
51.	Tarini Jahagirdar	-11-	
52.	Sushant Nimborkar	-11-	
53.	Shweta Vishwakarma	-11-	
54.	Ruchita Chakrapani	-11-	
55.	Aahna Jaiswal	LAD	
56.	Akansha Mishra	-	
57.	Praani Singh	-	
58.	Kadlika Veidya	-	
59.	Aishwari Deshpande	-	
60.	Tripti Mazumdar	-	
61.	Sheelaika Bhat	-	

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HANDS-ON TRAINING MICROTECHNIQUES AND BIOSTATISTICS

Lectur Series on Molecular Biology and Biostatistics : Day- 3

Attendance sheet

Date- 17/03/2023

Sr. No.	Name of Student	Name of College	Signature
1	Akansha Mishra	LAD	
2	Prachi Singh	LAD	
3	Aishwari Desai	LAD	
4	Aruna Jaiswal	L.A.D	
5	Shravika Bhad	L.A.D	
6	Tripiti Mazumdar	L.A.D	
7	Radhika Vaidya	LAD	
8	Sachal .s. Kalamkar	Shri Shivaji Science college	
9	Aashija Shaikh	— " —	
10	Priamali Marape	— " —	
11	Pratiksha Uchase	Shri Shivaji Science College	
12	Neha .I. Raut	— " —	
13	Priyadharshini S. Pardunor	— " —	
14	Nisha Selotkar	— " —	
15	Houshika Halwani	— " —	
16	Anjali Bhusari	— " —	
17	Purva Patankar	— " —	
18	Aparva Damedhar	— " —	
19	Isha Sawde	— " —	
20	Sanskriti Kolhe	— " —	
21	Janvi Wadetiwar	— " —	

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Lectur Series on Molecular Biology and Biostatistics : Day- 3

Attendance sheet

Date- 17/03/2023

Sr. No.	Name of Student	Name of College	Signature
22.	Aanchal A. Sharma	OSHO, Shivaji Science	<u>Aanchal</u>
23.	Kamini G. Furze	OSHO, Shivaji Science	<u>Furze</u>
24.	Kaishna Wankhede	— " —	<u>Wankhede</u>
25.	Komal Khobragade	— " —	<u>Komale</u>
26.	Khushi Mishra	— " —	<u>Mishra</u>
27.	Ritika Tondekar	— " —	<u>Ritika</u>
28.	Tejasvini P. Mute	— " —	<u>Mute</u>
29.	Sanskruiti S. Ghodmare	— " —	<u>Ghodmare</u>
30.	Gargu Uichore	— " —	<u>Uichore</u>
31.	Dibina Dinakaran	— " —	<u>Dinakaran</u>
32.	Jatini S. Jahagirdar	— " —	<u>Jahagirdar</u>
33.	Ishita Chelwani	— " —	<u>Chelwani</u>
34.	Riya Paikmare	— " —	<u>Paikmare</u>
35.	Sacc Joshi	— " —	<u>Joshi</u>
36.	Aliya Aflab Dlam	— " —	<u>Aflab</u>
37.	Akashka Shinde	— " —	<u>Shinde</u>
38.	Aditi Jain	— " —	<u>Jain</u>
39.	Shravani Kharche	— " —	<u>Kharche</u>
40.	Jashika Chhaware	— " —	<u>Chhaware</u>
41.	Saloni Gautam	— " —	<u>Gautam</u>
42.	Aditi Givi	— " —	<u>Givi</u>
43.	Ayushi Hedau	— " —	<u>Hedau</u>
44.	Thorni Kumbde	— " —	<u>Kumbde</u>
45.	Vaishnavi Kulkde	— " —	<u>Kulkde</u>
46.	Vrushali Pachpahan	— " —	<u>Pachpahan</u>
47.	Nandini Laipure	— " —	<u>Laipure</u>

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Lectur Series on Molecular Biology and Biostatistics : Day- 3

Attendance sheet

Date- 17/03/2023

Sr. No.	Name of Student	Name of College	Signature
48.	Prash Waghmare	Shivaji Science college	
49.	Rohit Jambhule	— " —	
50.	Samir Gaurkar	— " —	
51.	Prathamesh Bodle	— " —	
52.	Shivam Dekapurewar	— " —	
53.	Harsh Waghmare	— " —	
54.	Akansha Chakre	— " —	
55.	Pimple. Uday	— " —	
56.	Monali Mahant	— " —	
57.	Khushi Shivas	— " —	
58.	Teehavi Teekar	— " —	
59.	Kaloni Nehru	— " —	
60.	Tuinkale RAO	— " —	
61.	payal chatup	— " —	
62.	Sneha Bhongade	— " —	
63.	satoni Jaiswal	— " —	
64.	Ruchita chakrapani	— " —	
65.	shaeta vishwakarma	— " —	
66.	Akshay Bhattulkar	— " —	
67.	Vaishnavi Likhitar	— " —	
68.	Aparna kumarwar	— " —	
69.	Renuka galchle	— " —	
70.	Monali mahant	— " —	
71.	Khushi Shivas	— " —	
71.	YASH DOYLE	— " —	
72.	Jushant Nimbhorkar	— " —	

