



**Shiv Chhatrapati Shikshan Sanstha's  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)  
Department of Biotechnology**

**A) Summary**

1) Title of Programme:	Hands-on Training Programme on Basic and Advanced Microbiological Techniques			
2) Name of Organizing Department/Unit:	Department of Biotechnology			
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:	Principal: Dr. Mahadev Gavhane Vice- Principal: Prof. S. N. Shinde Head: Dr. S. S. Kulkarni			
4) Date(s) of the Programme:	15 <sup>th</sup> to 23 <sup>rd</sup> March 2024			
5) Venue/ Mode:	Offline at Department of Biotechnology			
6) Target Group:	PG students of Chemistry Department			
7) Number of Participants:	Male	Female	Total	
A separate list with signatures be maintained in the department/Unit)	Teaching	00	02	02
	Non-Teaching	00	0	00
	Students	09	06	15
8) Name(s) and details of Resource Person(s), if any:	1) Ms. Nikita Mankoskar Assistant professor Department of Biotechnology Rajarshi Shahu Mahavidyalaya, Latur (Autonomous) & 2) Ms. Shirisha Hundekar Assistant professor Department of Biotechnology Rajarshi Shahu Mahavidyalaya, Latur (Autonomous).			
9) Total Expenditure for the Programme:	Nil			
10) Source of Funding:	Not applicable			

## B) Report

### i. Title:

Hands on Training Programme on Basic and Advanced Microbiological Techniques.

### ii. Introduction:

Science is growing in a great space in order to develop technologies that are beneficial for the human race. In that race Microbiological techniques are used for studying about microbes like bacteria, fungi and the protists. Microbes have extreme importance in our day today lives. They have both positive as well as negative effects, like some are responsible for causing many potential diseases in human and other living beings while others are utilized for the benefit of our environment. So, in order to study the microorganisms a Hands-on Training on Basic and Applied Microbiological Techniques was Organized for PG Chemistry students of our college. The training programme gives an overview on the activity of microorganism on different chemical products which are synthesized by students during their project. The training programme includes knowledge about laboratory rules, Pure Culture Techniques, Antimicrobial Susceptibility and Minimum Inhibitory Concentration of different chemical compounds synthesized by chemistry students as a part of their master's dissertation project along with the studies on standard antimicrobial products available in market and are in commercial use.

### iii. Objectives of the Programme/ issues addressed

- To get familiar and get hands on experience of basic microbiological concepts like isolation of microbes, identification and application of Microorganisms.
- To relate their traditional microbiological techniques knowledge with their dissertation work for application of microorganisms.
- To promote the interdisciplinary research in the college/ institute.

### iv. Details of Participants

Total Participants 15 (09 Male and 06 Female) attended the Programme.

Date: 24/03/2024

  
HoD  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 531



  
Principal  
PRINCIPAL  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)

## B) Geotagged Photographs/Screenshots:



Ms. Shirisha Hundekar guiding students about microbial techniques in laboratory



Antimicrobial activity results done by students in training programme



Mr. Akshay Bhandare (Asst. prof of Dept. of chemistry) thanking Dr. S. S. Kulkarni with Ms. Shirisha Hundekar and Ms. Nikita Mankoskar for the successful completion of training programme with student participants

### C) Brochure of the program:



Shiv chhatrapati shikshan Sanstha,s  
Rajarshi Shahu Mahavidyalaya  
Latur,(Autonomous)  
Department of Biotechnology

## Organizes

Hands on training  
on basic and  
advance microbial  
techniques

- ✓ (Principal)  
Dr.Mahadev Gavhane  
R.S.M.L
- ✓ (Vice-Principal)  
Prof.S.N.Shinde  
R.S.M.L
- ✓ HOD : Dr..S.S kulkarni  
(Dept of biotechnology)  
R.S.M.L



## Resource person

Ms.Nikita Mankoskar  
(Asst.Prof)  
Dept.of biotechnology  
RSML  
Ms.Shirisha Hundekar  
(Asst.Prof)  
Dept.of biotechnology  
RSML

DATE: 15 th to 23rd March 2024  
TIME: 9 am to 1 pm  
VENUE: Dept of Biotechnology  
R.S.M.L.



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Department of Biotechnology

Hands On training on Basic and Advanced Microbiological Techniques

Sr. No	Name	Sign	Remark
1	Balaji Datake	Balaji	
2	Shravan Aagade	Shravan	
3	Talhatin mawar	Talhatin	
4	Aarti chamble	Aarti	
5	Akshay chavan	Akshay	
6	Akshay Dekre	Akshay	
7	Harme Saurabh	Saurabh	
8	Ganesh Jadhav	Ganesh	
9	Majuresh Bedkar	Majuresh	
10	Rajani Kamble	Rajani	
11	Pisha Karbhari	Kadisha	
12	Shital Kamble	Shital	
13	Prianta Kadam	Prianta	
14	Toupti Kale	Toupti	
15	Atish Kale	Atish	
16			

Date: 24/03/2024

  
HoD  
Head

Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
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Principal  
PRINCIPAL  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)