

Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Department of Botany

A) A Summary Report of the Activity

1) Title of Programme:		Laboratory Visit			
2) Name of Organizing Department/Unit:		Botany			
3) Name of the Coordinator(s)/ Convener(s)/		1.Prof.S.N. Shinde-Convener			
Organizer(s) of the Programme:		2.Miss P.S. Maskepatil - Co-Convener			
		3.Miss.P.V.Kumbhar- Co-Convener			
4) Date(s) of the Programme:		31 st Mar 2023			
5) Venue:		Plant Tissue Culture Laboratory Warad Biotech Pvt. Ltd. Latur.			
6) Target Group:		B.Sc. II and M.Sc.II students			
7) Number of Participants: 20		Male	Female	Total	
A separate list with signatures	Teaching	00	03	03	
be maintained in the	Non-Teaching	00	00	00	
department/Unit)	Students	06	11	17	
8) Name(s) and details of Resource Person(s), if		Nil			
any:					
9) Total Expenditure for the Programme:		500/-			
10) Source of Funding:		Students Collection			

B) Report

i) Title: Laboratory Visit

ii) Introduction:

Plant Tissue Culture now has direct commercial applications as well as value in basic research into Cell Biology, Genetics and Biochemistry. The laboratory visit was planned to provide actual practical knowledge in the areas of plant tissue culture and to familiar the students with tissue culture laboratory and different equipments in tissue culture laboratories. This visit is essential for enhancing critical thinking skills and gives students a chance to think about a topic and get motivated for startup.

iii) Objectives of the Programme:

- 1. To develop Entrepreneurship skills among the students.
- 2. To learn the Plant Tissue Culture Techniques.
- 3. To study to regenerate intact plants from disorganized callus.
- 4. To understand the commercial application of Tissue culture.

iv) Details of participants: 20 (Male-06, Female-14)

v) Brief summary of Events:

As a part of co-curricular activity, Department of Botany organized laboratory Visit to Plant Tissue Culture Laboratory, Warad Biotech Pvt. Ltd., Latur for B.Sc. II and M.Sc. II students. During the visit Miss P.S. Maskepatil and Miss P. V. Kumbhar guided to students about steps involved in plant tissue culture. Students observed different live stages of the tissue culture techniques in the laboratories. In this visit technical expert Mrs. Supare demonstrated the techniques involved in Plant Tissue Culture.

vi) Conclusion:

Students get knowledge about Micropropagation using meristem and shoot culture to produce large numbers of identical individuals. Students also became familiar with the techniques include Culture of cell, Anther, Ovules and Embryo on experimental to industrial scales. Students learnt commercial application of Tissue culture.

vii) Any Appendix if Necessary:

List of Participants attached

Date: 03 April 2023

Head

Department of Botany UG, PG and Research Centre Rajarshi Shahu Mahavidyalaya (Autonomous), LATUR-413 512

PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Laha
(Autonomous)

C) Geotagged Photographs:



Students with Mrs. P.S. Maskepatil and Miss D.S. Chavan at Field Visit at Plant Tissue Culture Laboratory Warad Biotech Pvt. Ltd. Latur



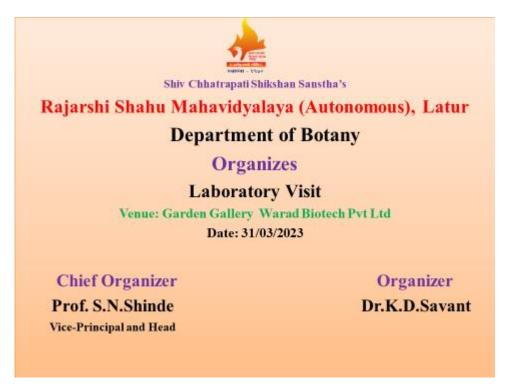
Miss P.S. Maskepatil and Mrs. Supare while guiding to students about Plant Tissue Culture laboratory



Students and Teachers at Plant Tissue Culture Laboratory Warad Biotech Pvt. Ltd. Latur

D) Link of Video of the Programme: Nil

E) Brochure:



F) Newspaper Coverage: Nil

Notice:

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Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Department of BotanyList of Participants

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