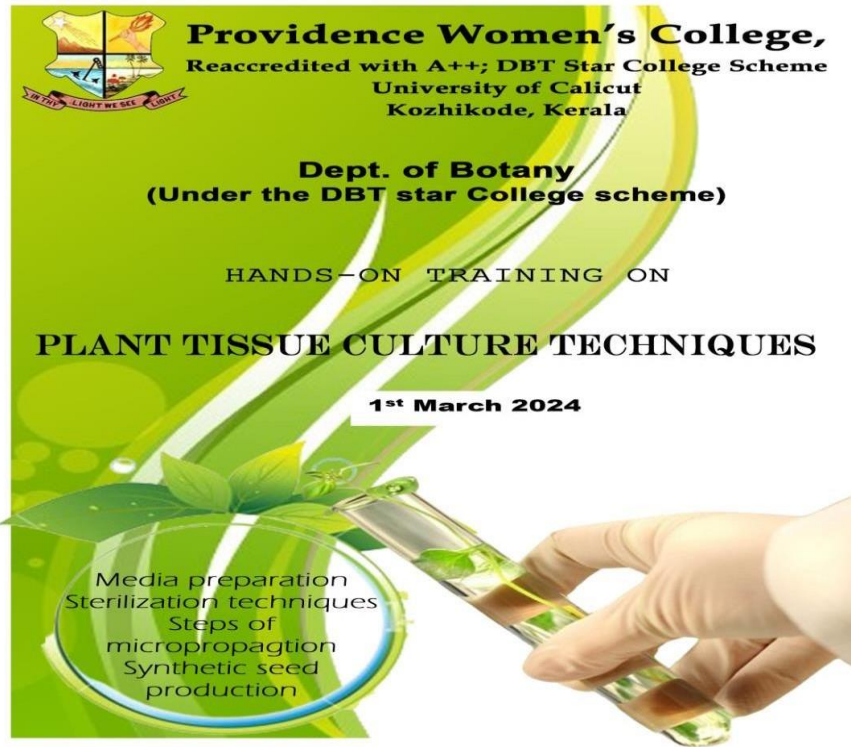


Hands on training plant tissue culture techniques organized under the DBT star College scheme for UG students



Providence Women's College,
Reaccredited with A++; DBT Star College Scheme
University of Calicut
Kozhikode, Kerala

Dept. of Botany
(Under the DBT star College scheme)

HANDS-ON TRAINING ON
PLANT TISSUE CULTURE TECHNIQUES

1st March 2024

Media preparation
Sterilization techniques
Steps of micropropagation
Synthetic seed production

The cover features a green background with a magnifying glass over a test tube containing a plant tissue culture. The college logo is in the top left corner.



Report on Hands-On Training Session on Plant Tissue Culture Techniques

Number of participants benefited: 46 UG Botany students

A hands-on training session on **Plant Tissue Culture Techniques** was conducted on **1 March 2024** for undergraduate students under the **DBT Star College Scheme**. The session, attended by 46 students, aimed to provide practical knowledge of tissue culture methodologies, a cornerstone of plant biotechnology. Participants were trained in essential techniques, including sterilization, media preparation, micropropagation and synthetic seed preparation which are critical for maintaining aseptic conditions and ensuring successful plant tissue cultivation. The training emphasized the application of these methods in propagating high-quality plants, conserving endangered species, and enhancing agricultural productivity. Students actively participated in preparing nutrient media, inoculating plant tissues, and monitoring their growth under controlled laboratory conditions. The session highlighted real-world applications of tissue culture, such as developing disease-free plants and scaling up crop production. By the end of the session, participants had not only acquired hands-on skills but also gained an appreciation of plant biotechnology's role in addressing agricultural and environmental challenges.

Plant Tissue Culture Techniques.

(Under DBT Star College Scheme) (01-03-2024)

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3	Dharna OM	"	920751421		
4	Anukrishna K	"	9539027451		
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19	Shrutha Fathima V-P	3 rd DC Botany	9946645619		
20	Sneha K.M	3 rd DC Botany	7907778772		
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23	Theja Manjush	"	8590466728		
24	Devika J	2 nd PG Botany	8590323626		
25	Amrutha Prasad T.	3 rd DC Botany	8590935397		
26	Nahla K.P.	3 rd DC Botany	9446255742		
27	Ann Mariya Alincant	3 rd Botany	9207970098		
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29	Shyama K	2 nd PG Botany	9061679049		

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30	Akshanya T.P	2 nd P6 Botany	8089552391	<i>[Signature]</i>
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32	Anya Natwin P.G	2 nd P6 Botany	8943190827	<i>[Signature]</i>
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37	Fathima Safa k.M	2 nd P6 Botany	7034207210	<i>[Signature]</i>
38	Apama k	2 nd P6 Botany	9496408115	<i>[Signature]</i>
39	Amala Mathew	2 nd P6 Botany	9562296160	<i>[Signature]</i>
40	Snehasree S	2 nd P6 Botany	8281175822	<i>[Signature]</i>
41	Fathima Ruba k.P	3 rd Botany	8118886107	<i>[Signature]</i>
42	Heera CB	"	942625246	<i>[Signature]</i>
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44	Devika girish	"	8281250784	<i>[Signature]</i>
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