

DEPARTMENT OF BOTANY
DEVA MATHA COLLEGE, KURAVILANGAD
Affiliated to Mahatma Gandhi University, Kottayam



Report
ADD-ON COURSE
In
Plant Tissue Culture
Academic Year: 2018-19



The Botany Department of Deva Matha College Kuravilangad has organised an Add-on Course in **Plant Tissue culture** for the II DC Botany students of the college.

32 students registered and successfully completed the course. The course was conducted during the months of February and March of 2019. Resource Persons who engaged the classes were renowned in the respective area. The course is of 30 hours duration including online sessions along with practical sessions. The course is planned and executed online via Google Classroom and live sessions are conducted through Google Meet platform. Evaluation process included attendance, test papers and spot tests.

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ADD ON COURSE

IN

DMCK/BOT/AD 01/2021:Plant Tissue Culture

Course Coordinator: **Ms. Varsha Maria Babu, Assistant Professor, Dept. of Botany**

Duration: **30 Hours**

Course Objectives

1. Understand the current developments in the field of Biotechnology
2. Equip the students to carry out plant tissue culture

SYLLABUS

- | | |
|--|---------|
| 1. Brief history of tissue culture | 1 Hour |
| a. Cellular totipotency | |
| b. Concept of dedifferentiation, redifferentiation and organogenesis | |
| 2. Tissue culture media | 3 Hours |
| Media composition | |
| Selection of media | |



Media preparation	
3. Micropropagation	6 Hours
a. Selection of suitable material	
b. Stock plant selection	
c. Parts of plant	
d. Size of explants	
e. Avoid diseased tissue	
4. Types of plant tissue culture	3 Hours
Meristem culture	
Callus culture	
Anther culture	
Embryo culture	
Ovary culture	
Ovule culture	
Pollen culture	
5. Benefits of plant tissue culture	4 Hours
Rapid multiplication of clones	
Genetic uniformity	
Aseptic condition	
Controlled environment	
6. Outline of procedure and technique – Slide show	1 Hours
7. Practical	12 Hours

COURSE OUTCOMES

- Understand the basic concepts in plant tissue culture
- Discuss the process involved in micro propagation
- Analyse the practical use of tissue culture in life

RESOURCE PERSONS

1. **Ms. Varsha Maria Babu**
Assistant Professor
Department of Botany
Deva Matha College, Kuravilangad
2. **Dr. Varghese M.C.**
Assistant Professor & HOD
Department of Botany
Deva Matha College, Kuravilangad



Students List

SL.NO.	CLASS NO.	NAME	DEPARTMENT
1.	209	MERIN RENJAN	CHEMISTRY
2.	113	ASWIN S.	PHYSICS
3.	816	MERILN THERESSA RAJU	COMMERCE
4.	103	BIBIN K. S.	PHYSICS
5.	847	DEEPTHI V. SAJI	COMMERCE
6.	824	AJAY SAJI	COMMERCE
7.	205	JESNA SUSAN KURIAKOSE	CHEMISTRY
8.	320	ARYASREE B.	BOTANY
9.	834	ABHITHA M. M.	COMMERCE
10.	839	ANNA B. MATTOM	COMMERCE
11.	806	AMRUTHA S.	COMMERCE
12.	604	AKSHARA RAJU	ENGLISH
13.	409	ANUPAMA ANIL	ZOOLOGY
14.	419	S. KRISHNNENDU	ZOOLOGY
15.	838	ANN MARIA ANTONY	COMMERCE
16.	332	SARANYA SASIKUMAR	BOTANY
17.	842	ATHIRAMOL SHAJI	COMMERCE
18.	631	AMRUTHA SURESH	ENGLISH
19.	720	POOJA P. KARTHA	MALAYALAM
20.	15	ARJUN P.	MATHEMATICS
21.	427	VISHNUMAYA KRISHNAKUMAR	ZOOLOGY
22.	317	APARNA PRATHAP	BOTANY
23.	329	M. S. RAJALAKSHMI	BOTANY
24.	426	SURYAMOL O. S.	ZOOLOGY
25.	447	NIHANA SHERIN	ZOOLOGY
26.	321	ATHIRA RAVI	BOTANY
27.	710	ANSU SEBASTIAN	MALAYALAM
28.	334	DEVIKA N. M.	BOTANY
29.	848	KRISHNAPRIYA MANOHAR	COMMERCE
30.	718	NERIN ELSA JACOB	MALAYALAM
31.	724	SHAMILI BABU	MALAYALAM
32.	330	PAVITHRA JOSE	BOTANY



Attendance Sheet

Interdisciplinary Add-on course on **TISSUE CULTURE**
DEVA MATHA COLLEGE
Add-on Course
STAFF-ATTENDANCE REGISTER

Year & Month: 2018-19

Sl. No.	Name	Designation		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1.	Aparna Prathap		a.m.	x	x	x	x	x	a	a												
2.	Ayashree B		p.m.	x	x	x	x	x	a	a												
3.	Abha Ravi		a.m.	x	x	x	x	x	x	x												
4.	Devika N.M.		p.m.	x	x	x	x	x	x	x												
5.	M.S. Rajalakshmi		a.m.	x	x	x	x	x	x	x												
6.	Saranya Sasikumar		p.m.	x	x	x	a	a	a	a												
7.	Jesna Susan Kuniakose		a.m.	x	x	x	x	x	x	x												
8.	Mein Benjan		p.m.	x	x	x	x	x	x	x												
9.	Abhitha M.M.		a.m.	x	x	x	x	x	x	x												
10.	Ajay Saji		p.m.	x	x	a	x	x	x	x												
11.	Ameetha S.		a.m.	x	x	x	x	x	x	a												
12.	Ans Maria Antony		p.m.	x	x	x	x	x	x	x												
13.	Asha B. Mattom		a.m.	x	a	x	x	x	x	x												
14.	Abhizamol Shaji		p.m.	a	a	a	x	x	x	x												
15.	Deepthi V. Saji		a.m.	x	x	x	x	x	x	x												
16.	Krishnapriya Manohar		p.m.	a	x	x	a	x	x	x												
17.	Mesilo Theissa Raju		a.m.	x	x	x	x	x	x	a												
18.	Akshara Raju		p.m.	x	x	x	x	x	x	x												

DEVA MATHA COLLEGE
Add-on Course
STAFF-ATTENDANCE REGISTER

Year & Month: 2018-19

Sl. No.	Name	Designation		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
19.	Ameetha Suresh		a.m.	x	x	x	x	x	x	x													
20.	Ansu Sebastian		p.m.	x	x	x	x	x	x	x													
21.	Nesir Elsa Jacob		a.m.	x	x	x	x	x	a	a													
22.	Pooja P. Kacche		p.m.	x	x	x	x	x	x	x													
23.	Shamili Babu		a.m.	x	x	x	x	x	x	x													
24.	Axyun P		p.m.	A	A	A	A	A	A	A													
25.	Ashwini S.		a.m.	x	x	x	x	x	x	x													
26.	Bibin K.S.		p.m.	x	x	x	x	x	a	a													
27.	Anupama Anil		a.m.	x	x	x	x	x	x	x													
28.	Nikhana Sherin		p.m.	x	x	x	x	x	x	x													
29.	S. Keethanendu		a.m.	x	x	x	x	x	x	x													
30.	Suryamol O.S.		p.m.	x	x	x	x	x	x	x													
31.	Vishnumaya Keethanukulam		a.m.	x	x	x	x	x	x	x													
32.	Pavithra Jose		p.m.	x	x	x	x	x	a	a													
			a.m.	x	x	x	x	x	x	x													
			p.m.																				
			a.m.																				
			p.m.																				



Photos







Certificate Model

DEVA MATHA COLLEGE KURAVILANGAD
A NAAC Re-Accredited 'A' Grade College
Website: www.devamatha.ac.in , E-Mail: principaldmck@gmail.com



Add-on Course Certificate

This is to certify that _____ Department of _____
_____ has successfully completed the short term Multi-disciplinary Add-on-Course
titled: _____
conducted by the Department of _____ during the academic year 2018-2019.
He/She has passed the add-on course with _____ Grade.

Kuravilangad
July 2019

General Co-ordinator

Department Co-ordinator

Dr Jojo K Joseph
Principal



Dr. Brincy Mathew
Add-on Course General Coordinator



Principal
Deva Matha College
Kuravilangad - 686 633