

DEPARTMENT OF BOTANY
DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



Report on
ADD-ON COURSE
In
Plant Tissue Culture
Academic Year: 2019-20



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. 35 students registered and successfully completed the course. The course was conducted during the months of February and March of 2020. 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.

CONTENTS

1. Course outcomes
2. Syllabus
3. Resource Persons
4. Photos
5. Feedback on the Course
6. Attendance sheet
7. Examination- Mark list
8. Sample certificates
9. Conclusion

ADD ON COURSE in

DMCK/BOT/AD 01/2019: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.	Name of the student
1.	Jeff Jerry Joe
2.	Athul M. Kottary
3.	Devika O.V.
4.	GouriNandana
5.	Gowripriya S.
6.	Meenu P.O.
7.	Vidhya R.
8.	Amal Binu
9.	Henschel Mathew
10.	Jithin Das
11.	Arsha Vinod
12.	Bhagyalakshmi S.
13.	Nimisha Anil
14.	V.K. Rithy
15.	Anjitha Prasad
16.	Anjitha Prasad
17.	Athira Ayyappan
18.	Kalpana Mani
19.	Riya Sabu
20.	Vinaya Santhoshkumar
21.	Aparna Suran
22.	Vandana S.
23.	Jeeva Maria Tom
24.	Alfrit Jacob
25.	Anjaly Thomas
26.	Sona Saji
27.	Jyothikumar P.R.
28.	Arnave S.
29.	Tonu Joy
30.	Justin Joseph
31.	Aiwin Jose
32.	Abin Jose
33.	Jeevan Joy
34.	Jeevan Joyce
35.	Sidharth Mangattu Saju



Attendance

DEVA MATHA COLLEGE		KURAVILANGAD																																
U.G. STUDENTS		ATTENDANCE REGISTER																																
Year: Month: 2017-18		ADD-ON COURSE (ISSUE CULTURE)																																
Sl. No.	Name	DEPARTMENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
195	Saji George	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
196	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
197	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
198	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
199	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
200	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
201	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
202	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
203	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
204	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
205	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
206	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
207	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
208	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
209	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
210	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
211	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
212	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
213	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
214	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
215	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
216	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
217	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
218	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
219	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
220	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
221	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
222	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
223	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
224	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
225	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
226	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
227	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
228	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
229	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
230	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
231	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
232	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
233	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
234	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
235	Abhinav K	B.Com	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Dr. Varghese M. G.
Head of the Department of Accountancy
Deva Matha College
Kuravilangad-686633



Photos







Sample Certificate

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



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 2019-2020.
He/She has passed the add-on Course with _____ Grade.

Kuravilangad
April 2021


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