

REPORT ON GUEST LECTURE

Date: 16-05-2022

Time: 12 to 2 pm

Venue: Botany lab-1

Resource person: Dr. S Swaroopa Rani

GVRS Govt . Degree College, Dhone

Target audience: III BSc students

Topic: Tissue culture and its applications in horticultural crops

Co-ordinator: Rabiya Tanzila

Leela Krsihna Divya

A lecture is on occasion when you numb one and to benefit the other within the confines of the lecture hall, no other virtue exists but plain intellectual integrity

To expose students to applied Botany and it's significance in research, a Guest Lecture was organised by Dept. of Botany

Resource person **Dr S Swaroopa Rani** started her lecture by stating some basic concepts of tissue culture. She emphasised on the importance of invirtue cultivation of plant cells on artificial nutrient medium under aseptic environment and discussed the basic requirement of stock medium. She stressed on the two main applications on plant tissue culture in horticulture i.e propagation and sanitation. The culture of single cell and meristem can be effectively used to eradicate pathogens from plant material. Tissue culture protocols are available for most of the horticultural crops although continued optimization is still required for many crops like cereals and woody plants.

Objectives: 1.To provide students with a new perspective regarding the subject

2.To give students the opportunity to connect with professionals and create meaningful learning connections

Outcomes: 1. It was very informative and interactive session where students came to about the career choices in tissue culture.

2.Dialogue with subject expert Help students to develop multiple skills like critical thinking, reasoning, future planning.

