



Department of Horticulture and Floriculture

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Editor's Note



DR. K. Rama Krishna
Assistant Professor

Dear CUTN,

On behalf of the entire team of Dept. of Horticulture and Floriculture, I would like to Thank You for making us your family members and giving us your love. It will be our great pleasure to serve this family. Happy New Year. Thank You.

As an editor, I was thinking about what to put forth into this e-Newsletter, as this is the first issue which we are going to publish. A thought arouses in me, why not introduce ourselves to this great family of CUTN and share my first experience in the campus with you all.

Our department commenced in 2019, presently offers Master of Science (M.Sc) programs, in three disciplines i.e., M.Sc (Horticulture) in Fruit Science, M.Sc (Horticulture) in Vegetable Science and M.Sc (Horticulture) in Floriculture and Landscaping Science. Department is supported by a vibrant team of faculty members who are experts in diverse fields of horticulture and are committed to delivering the highest standards both in academics & research. Myself, specialized in Postharvest Technology of Horticulture crops, Ph. D from Indian Agriculture Research Institute (ICAR-IARI), New Delhi. I belong to Hyderabad, Telangana. Dr. Senthikumar, is specialized in Fruit Science, Ph. D from Tamil Nadu Agriculture University (TNAU). He is develing from Tiruppur, TN. Dr. S. Srivignesh, is specialized in Vegetable Science, Ph. D from the University of Jerusalem, Rehovot, Israel. He is from Harur, TN. DR. Moumita Malakar, is specialized in Floriculture, Ph. D from the University of Calcutta. She belongs from Kolkatta, WB. "CUTN is Mini India" truly said by our beloved Honorable Vice-Chancellor, applies very well to our department too. Presently, we have 17 students enrolled in the department. Out of which 10 are girls and 7 are boys.

My first look of CUTN campus was with guest house. Then I realized that why a Horticulture department has to be part of CUTN !. There is a need for Floriculture and Landscape designing both in working as well as residential campus. The campus is fully occupied with the wild growth of *Prosopis* species (a thorny bushy plant) and the landscape is not maintained.

A sudden encounter with Honorable VC sir and suggestion given by the delegate:

It was in the month of mid-October, 2019, there was a conference going on at CUTN, for which delegates across the country have attended. One fine morning I was having my breakfast in the guest house canteen along with a couple of delegates with whom I am not acquainted with. At a sudden door opened and here is our VC sir, came to meet with one senior delegate who was having breakfast

in the canteen too. We all stood in respect to the VC sir arrival and later with the gesture of VC sir, continued to have our breakfast. They were having a chat, by the time I finished my breakfast. I had said thank you to both and about to leave the hall, VC sir asked “Are you the new appointee, which department?”. I replied, “Yes sir, Dept. of Horticulture and Floriculture”. Upon listening to the word “Horticulture”, the delegate, friend of VC sir, spoke up saying “you have a great job to do in the campus, CUTN needs horticulture. You are the person who can beautify and develop the campus into a Paradise”. He also suggested me to plant some Jamun or fruit trees along the roadside of the campus as the fruits can be eaten by birds which are devilling in the campus and surrounding areas. He wanted to emphasis to take the nature and its entities in to count when we plan for beautification and avenue plantation. I replied that we are going to keep it in mind while we plan sir. VC sir ensured the delegate by saying “we have selected the best for the department, they will do their job”. By saying thank you to the Honorable VC sir and delegate, I departed from the hall.

With CUTN staff:

In these two months (Oct-Nov to Nov-Dec, 2019), I was interacting with no.of staff members of CUTN (teaching and non-teaching). I released that, everyone wanted the transformation of the university into a beautiful green campus. I also released that, many did not have any idea about Horticulture. For them, horticulture means, some people dealing with flowers and landscaping. So, I would like to give a short glimpse of horticulture and its importance.

“Horticulture” basically a branch of Agriculture, deals with 5 important divisions i.e., Vegetable crops; Fruit crops; Floriculture and Landscaping; Postharvest Technology of Horticulture crops and Spices, Medicinal and Plantation crops. Horticulture by itself is a very vibrant field of Agriculture. There are 8 Horticultural Universities which are working exclusively in this field in India. Horticultural crops production in India has crossed 314.67 million MT when compared to Agriculture crops (281.37 million MT). They cover a wide cultivation area and contribute about 28 per cent of the Gross Domestic Product (GDP). These crops account for 37 per cent of the total exports of agricultural commodities from India. It means a lot of business. I personally believe that horticulture is the only sector which can certainly double the farmer's income and develop their living standards. There are areas such a postharvest processing and value addition which has got immense potential in horticulture. Horticulture is the multi-disciplinary science where one can apply genetics, biotechnology, finance, logistics, informatics etc., with it and can certainly come out with flying results.

I, un-doubtable believe in our team and assure you all that, you will soon witness the transformation of the university, but not at an instant, in a slow and phase-wise manner.

Departmental activity



Planting almond plants by our Honorable Vice Chancellor at School of Life Sciences



Planting activity taken up by students and faculty of Department of Horticulture and Floriculture at CUTN campus



Interaction with students

Interaction with students by department faculty regarding course content and future action plan



Interaction with scientist at Indian Institute of Food Processing Technology (IIFPT), Thanjavur.

Lab and practical activity



Knowing the techniques in isolation of pure culture and working with laminar air flow chamber

Taking instruction for lab technician



Preparation of solvents

Preparation of reagents



Conference and Visits



Name of the conference - National conference on Ascertainig food security through livelihood enriching interventions: Challenges and opportunities.

Date: 4 - 6 September 2019.

Place - PAJANCOA & RI Karaikal.

No of people attended – 17

Name of the conference - Student conclave on curriculum and evaluation

Date: 27th November 2019

Place - Central university of Tamil Nadu

No of people attended - 3



Name of the conference -National conference on Horticulture for sustainability and nutritional security.

Date: 19 - 20th December 2019.

Place - Kittur Rani channamma College of Horticulture, Arabhavi, UHS Bagalkot.

No of people attended – 4

Field visit during the National conference at PAJANCO & RI Karaikal.



Student Activities



1



2



3



4



a



b



c



d

Seed bed preparation

- 1) Rectangular seed bed preparation and addition of soil. 2) Removal of stones and lumps in soil.
- 3) Making lines on the soil bed and sowing of seeds. 4) Covering the bed with dry grass and watering.

Preparation of potting mixture

- a) Mixing of red soil, vermi-compost + extra organic matter and sand in proportion of 2:1:1.
- b) Filling up of the mix into polythin bags. c) Adding sand for proper percolation of water.
- d) Planting of plants in the polybags

Do You Know...



There are more than 1400 varieties of mangoes grown in the world. Out of which around 600 + are from India.

How many have you tasted!!!



Chillies or Bell pepper are not originated in India, even they are not grown in India.

India (Except N-East) was only using Black Pepper before chillies are introduced as a crop.



Pitch-black Turkish Halfeti Rose
Are not true black colour, Mother nature has not yet given a true black colour rose.



Dr. S. Manivannan
Professor
(Newly appointed)

*Department of Horticulture and Floriculture
Welcomes you.*

*Department of Horticulture and Floriculture
wishes all the faculty of CUTN a
Very Prosperous Happy New Year, 2020.*



Thank you

Department of Horticulture and Floriculture, School of Life Sciences, CUTN, Thiruvarur