



A Horticulture e-Newsletter

Department of Horticulture

Faculty



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## *Head's Note*





COVID-19 has toasted everyone's life upside down. Made us to stay indoors, paralyzing all our immediate activities and leaving a scar on our long term goals. It has made to postpone all our essential activities. Though the pandemic has not come to an end, we through our collective consciousness definitely came out of shock and fear it instilled upon us. Fortunately, through the guidance of our leaders we were holding the bare minimum activities even during the lock down period. Now it is time to plan and reorganize ourselves to continue our dreams and goals from the point we left behind. It not only should be well organized but also at the Gods speed to cover the time lag.

Department of Horticulture, one of the toddlers of the CUTN, being in the establishing stage needs lot of energy to cover up the lost time. Biggest solace is most of the plantlets maintained by the department have survived the lockdown due to proper care by our maintenance workers. Though practical classes were the biggest sufferers all our faculty worked and conducted online classes and completed the syllabus. Faculty has come out with four publications in this time period, one published and three accepted.


As we have missed the first season of planting due to COVID-19, whatever we planned for first season has to be executed along with the second season field activities. We are also planning for the forthcoming semester. Apart from the existing batch a new batch of M.Sc. and for the first time Ph.D. research scholars will be joining our department. Let us not forget there won't be any let up from COVID-19 in near future. At least part of the semester, if not whole semester, needs to be carried out in online mode only. Let us be prepared for that. Hopefully this year ends in a fruitful note and collectively we can make it to happen.


# Faculty Achievements

<b>Name of the Faculty</b>	: Prof. S. Manivannan	
<b>Designation</b>	: Professor & Head	
<b>Research papers published</b>		
S.no	Title and publication details	IF/publisher /indexed
1.	Gurung, K., and <b>Manivannan, S.</b> , 2020. Morphological characterization and secondary metabolites profile of black pepper ( <i>Piper nigrum</i> L.) genotypes from Sikkim. Journal of Spices and Aromatic Crops, 29 (2): 98-104. doi : 10.25081/josac.2020.v29.i2.6347	UGC Listed
2.	Debbarmaa, N., <b>Manivannan, S.</b> , Muddarsua, V.R., Umadevi, P., & Upadhyay, S. 2020. Ionome signatures discriminates the geographical origin of jackfruits ( <i>Artocarpus heterophyllus</i> Lam.). Food Chemistry, <a href="https://doi.org/10.1016/j.foodchem.2020.127896">https://doi.org/10.1016/j.foodchem.2020.127896</a>	Impact Factor: 6.306)
3.	Umadevi, P., <b>Manivannan, S.</b> , Fayad, A.M., & Shelvy, S. 2020. In silico analysis of phytochemicals as potential inhibitors of proteases involved in SARS-CoV-2 infection. Journal of Biomolecular Structure and Dynamics, DOI: 10.1080/07391102.2020.1866669	Impact Factor: 3.220
<b>Book chapters published</b>		
1.	Krishna K.R., Smruthi J., <b>Manivannan S.</b> (2021) Packaging and Storage of Stone Fruits. In: Mir M.M., Iqbal U., Mir S.A. (eds) Production Technology of Stone Fruits. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-8920-1_11">https://doi.org/10.1007/978-981-15-8920-1_11</a>	Springer's (International )

<b>Name of the Faculty</b>	: Dr. A. Ramesh Kumar	
<b>Designation</b>	: Associate Professor	
<b>Invited talks/lectures</b>		
1.	National Level Webinar on Recent Advances in Mango Production. Topic: Canopy Management of Mango, at College of Horticulture, Bidhar, UHS, Bagalkot (Online mode), date: 15-01-2021.	
2.	Farmers training program. Topic: Strategies for Drought Management for Horticultural Crops at ICAR-KVK, Nedamangalam, Thiruvavur. Date: 29-09-2020.	
3.	Scientific farming lectures. Topic: Organic Farming Practices in Horticultural Crops organised by GoI-Vigyan Prashar & Tamil Nadu Scientific Technology Center. Date: 09-12-2020.	

4.	Delivered lecture in the Webinar on Advances in Postharvest Management of Fruits and Vegetables conducted by Dhanalakshmi Srinivasan Agriculture College, Perambalur, TN. Date: 24-12-2020.
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<b>Name of the Faculty</b>	: Dr. K. Rama Krishna		
<b>Designation</b>	: Assistant Professor		
<b>Awards</b>			
<b>S.no</b>	<b>Name of the award and details</b>	<b>Registered Under</b>	<b>National/ International</b>
1.	Research Excellence Award (2020) given by Institute of Scholars, Chitradurga, Karnataka.	Registered under Ministry of MSME, GoI	National
<b>Book chapters published</b>			
<b>S.no</b>	<b>Title and publication details</b>	<b>IF/publisher/indexed</b>	
1.	<b>Krishna K.R.,</b> Smruthi J., Manivannan S. (2021) Packaging and Storage of Stone Fruits. In: Mir M.M., Iqbal U., Mir S.A. (eds) Production Technology of Stone Fruits. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-8920-1_11">https://doi.org/10.1007/978-981-15-8920-1_11</a>	Springer's (International)	
<b>FDP/Training/Workshop attended</b>			
<b>S.no</b>	<b>Details of program</b>	<b>Sponsored /Organised by</b>	
1.	MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0, Ramanujan College, DU, New Delhi (FDP), Date: 25 <sup>th</sup> July – 10 <sup>th</sup> August, 2020.	Ramanujan College, MHRD/PMM MNM	
2.	Process Optimization Techniques and Texture Profile Analysis organized by College of FoodTechnology, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Dist-Banaskantha, Gujarat, India (training), date:05-08-2020	Sardarkrushinagar Dantiwada Agricultural University, Gujarat, India	
3.	International Online Workshop on "Application of Statistics in Science and Technology using SPSS" date: 08 <sup>th</sup> – 10 <sup>th</sup> August, 2020.	World Food Preservation Center, USA	

<b>Name of the Faculty</b>	: Dr. S. Senthilkumar		
<b>Designation</b>	: Assistant Professor		
<b>Awards</b>			
<b>S.no</b>	<b>Name of the award and details</b>	<b>Registered Under</b>	<b>National/ International</b>
1.	Young Horticulturist Award (2020) – A National Level Award from Agro Environmental Development Society (AEDS), Rampur (UP).	Registered under Agro Environmental Development Society (AEDS)	National
<b>FDP/Training/Workshop attended</b>			
<b>S.no</b>	<b>Details of program</b>	<b>Sponsored/Organised by</b>	
1.	FDP on 'Measures to Mitigate Climate Change' date: 12 <sup>th</sup> -16 <sup>th</sup> Oct, 2020	Department of Life Sciences, CUTN, Tiruvarur	
2.	Organic Farming for Sustainable Agricultural Production, date: Sept – Nov, 2020.	NPTEL – AICTE Ministry of HRD, GOI	
3.	Indian Agricultural Education System and Entrepreneurship Scope in 21st Century (e-training), date: 05 <sup>th</sup> – 14 <sup>th</sup> Aug, 2020	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	
4.	Post-harvest management and value addition in horticultural crops for budding startups, e-training date: 5 <sup>th</sup> -7 <sup>th</sup> –Oct, 2020.	CAU, Pasighat	
<b>Invited talks/lectures</b>			
1.	Delivered Virtual Guest Lecture on <b>“Modern trends in protected cultivation of high value horticultural crops”</b> in Vellore Institute of Technology, Vellore (Tamil Nadu) on 30 <sup>th</sup> October, 2020.		

<b>Name of the Faculty</b> : Dr. S. Srivignesh		
<b>Designation</b> : Assistant Professor		
<b>Research papers published</b>		
<b>S.no</b>	<b>Title and publication details</b>	<b>IF/publisher/indexed</b>
1.	Sundaresan, S., Philosoph-Hadas, S., Riov, J., Salim, S. and Meir, S., 2020. Expression Kinetics of Regulatory Genes Involved in the Vesicle Trafficking Processes Operating in Tomato Flower Abscission Zone Cells during Pedicel Abscission. <i>Life</i> , 10(11), p.273.	(Impact factor: 2.51)
<b>Review articles published</b>		
1.	Sudhakar, P., Thenmozhi, V., <b>Srivignesh, S.</b> and Dhanalakshmi, M. (2020). Colocasia esculenta (L.) Schott: Pharmacognostic and pharmacological review . <i>Journal of Pharmacognosy and Phytochemistry</i> , 9(4): 1382-1386.	UGC Listed
<b>Book chapters published</b>		
1.	V. Ramamoorthi, <b>S. Srivignesh</b> , S. Marimuthu and K.S. Subramanian (2020). Bio and Nanosensors: Theory and applications in agriculture. In: <i>Nanotechnology in Agriculture Energy and Environment</i> (pp.421-439). Astral International (P) Ltd. New Delhi, India. ISBN: 9789389719338	Astral International (P) Ltd, New Delhi

<b>Name of the Faculty</b> : Dr. Moumita Malakar		
<b>Designation</b> : Assistant Professor		
<b>Invited talks/lectures</b>		
<b>S.no</b>	<b>Details of the talk</b>	
1.	Webinar on Plant Science at Tokyo, Japan; Theme: Plant Science in a Challenging World; Mode of presentation: Oral (Speaker); Title of the presentation: Flowers soothe mental health under pandemic crisis; 18th September, 2020; Organized by International Conferences Pvt. Ltd.	



View of banana germplasm block with 22 elite varieties for performance and evaluation



Visit to field in Peralam to assess the water apple and citrus collections for Research





Assessment of quality of mango grafts at Government Horticulture nursery, Aduthurai



Students Research block: Pruning in Pomegranate at Veppadai (Thiruchengodu)



Students Research block: Bunch spray with Brassinosteroid at Varichikudy (Karaikkal)








Students Research block: Induction of rooting in Chekurmanis using PGRs











Students Research block: Influence of bio-stimulants spray on onion Var. CO4

# Welcome to the students of the 2020 batch

2020 Batch Horticulture Students				
S. No	Photos	Name of the students	Reg. No.	State of the students
1.		AFIYA R S	P202501	TAMIL NADU
2.		ANBU SEZHIAN A	P202502	TAMIL NADU
3.		CHYTHANYA UTHAMAN	P202503	KERALA
4.		DINESH KUMAR L	P202504	TAMIL NADU
5.		GNANASUNDARI K	P202505	TAMIL NADU

6.		<b>GOBIKA N</b>	P202506	TAMIL NADU
7.		<b>GOKILADEVI R</b>	P202507	TAMIL NADU
8.		<b>GOWRI A S</b>	P202508	TAMIL NADU
9.		<b>JAYASAVITHA K</b>	P202509	PONDICHERRY
10.		<b>L PRIYADARSINI</b>	P202510	TAMIL NADU

11.		<b>M DEENA DAYALAN</b>	P202511	TAMIL NADU
12.		<b>M MONIKA</b>	P202512	PONDICHERRY
13.		<b>NEERAJ SINGH</b>	P202513	UTTAR PRADESH
14.		<b>PARUTHI ELLAMPIRAI M</b>	P202514	PONDICHERRY
15.		<b>PRIYANKA CHATOMBA</b>	P202516	JHARKHAND

16.		<b>RASHIKA R</b>	P202517	TAMIL NADU
17.		<b>SHRISTI SUNDI</b>	P202519	JHARKHAND
18.	 <b>C.VIDHYA</b> <b>03.10.2021</b>	<b>VIDHYA C</b>	P202520	TAMIL NADU

**Wish you all a very Happy New Year  
2021**

**Wear Mask & Be Safe**

**Department of Horticulture, School of Life Sciences, CUTN, Thiruvarur**