

Dr YSRHU e-Newsletter

Fortnightly e-Newsletter of Dr Y.S.R.Horticultural University



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Dr YSRHU e-Newsletter

01-15 April 2023



Fortnight Focus


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From Vice- Chancellor's Desk

Dr. YSR Horticultural University is committed for promoting and building climate resilience in horticulture through its fanatical efforts in research and extension services. With its focus on horticulture development, the university has been instrumental in developing innovative solutions and disseminating knowledge to farmers and stakeholders, contributing to sustainable and climate-smart horticultural practices such as Integrated Nutrient Management, Micro irrigation, Fertigation, Soil and Moisture Conservation, Biological control of various pests and diseases etc. The university released 38 varieties in various Horticultural crops that are best suitable to the climatic conditions of the growing areas.

The university involving in research targeting climate resilience, i.e. developing climate-resilient crop varieties and sustainable production techniques, studying the impact of climate change on Horticultural crops and exploring strategies for improved pest and disease management. The research outcome provides valuable insights and solutions for building climate resilience in horticulture. Dissemination of knowledge and technologies through its effective extension services to farmers and stakeholders, bridging the gap between both the technology generation and adoption systems. The outreach programmes for farmers providing them with practical guidance on climate-resilient horticulture practices. The university also conducting On Farm Demonstrations, Front Line Demonstrations and On-Farm Trials to showcase and validate climate-resilient practices. Expert advice is offered on crop planning based on season and climate, pest and disease management strategies, amelioration practices during adverse weather conditions and timely advices to the Field functionaries of Department of Horticulture, that helps in making timely decisions and adopting appropriate practices that enhance climate resilience and improve productivity.

Through its comprehensive approach encompassing research, education, extension services and advisory support, Dr. YSR Horticultural University plays a pivotal role in building climate resilience in horticulture. The university's efforts contribute to the development of sustainable and resilient horticultural systems that can withstand the challenges posed by climate change and ensure the long-term flourishing of the horticultural sector.


Dr T. Janakiram
Vice-Chancellor

The Events

Dr. Babu Jagjivan Ram Jayanthi

In commemoration of birth anniversary of Dr Babu Jagjivan Ram, all the institutes under Dr.YSRHU paid tributes to the great leader on 05.04.2023



Dr. B. R. Ambedkar Anniversary

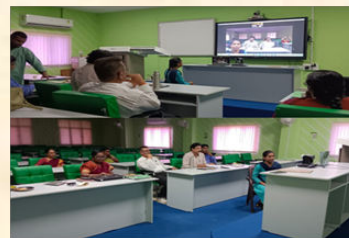
On 14.04.2023, birth anniversary of Dr B R Ambedkar was celebrated by all the institutes under Dr.YSRHU and tributes were paid to the great leader.



Education

PG Comprehensive (Qualifying) Viva Voce:

Comprehensive viva voce examination for M.Sc. and PhD students of Department of Floriculture and Landscape Architecture (2021 admitted batch) of CoH, Anantharajupeta was conducted in hybrid mode on 03-04-2023. Dr. Rajiv Kumar, Principal Scientist, Floriculture Division joined as external examiner and conducted qualifying viva voce examination. Dr.K.Gopal, Associate Dean, Dr.K.Swarajyalakshmi, OAM(PG), Floriculture teachers and other members Dr.C.Aswath, P.S.& Head, Dr.P.Nandesha, Sr.Scientist, IIHR,Bengaluru, Dr.R.Nagaraju, P.S.(Hort.), Dr.T.Rajasekharam, Sr.Sci.(Pl.Path.), CRS, Tirupati participated.



NSS Activities

Samata Diwas

Samta Diwas was celebrated by NSS Cell at Dr.YSRHU-College of Horticulture, Anantharajupeta by paying rich floral tributes to commemorate birth anniversary of Sri Babu Jagjivan Ram on 05.4.2023. Associate Dean I/C, Dr. K.Swarajya Lakshmi Professor (H) gave inspirational speech. Dr.Lalitha Kadiri, NSS Programme Officer, Dr. Y. Deepthi Kiran, NSS Programme Officer, other staff and students participated in the programme.



Service activity by 1st year Students



Dr. K. Swarajya Lakshmi, Prof.(Hort), College of Horticulture, Anantharajupeta along with first year students of B.Sc. (Hons.) Horticulture visited Chinmayaranyam ashram, located in Ellayipalli (V) of Obulavaripalli (M) on 09-04-2023. BSc. (Hons.) first year students, Mukesh, Sathya Prakash, Vandana and Harshitha were involved in service activity of maintainable gardens viz., cutting back of certain unwanted braches in ornamental plants, planting of seedlings of citron lime (Naradabba kaya), drumstick, dragon fruit and ber (improved variety - Umran). They were involved in Horticultural practices viz., lay out, methods of digging of pits, application of FYM manure, planting and watering. Ashram children were also participated in the program. Mathaji Swami Nishreyananda explained students about spirituality beyond science and appreciated the students for their services.

Teaching staff and students of College of Horticulture, Anantharajupeta participated in an online Chetana lecture series on **Best Practices in Higher Education** on 13-04-2023 on topics "The information technology rules 2021: towards open, safe and trusted & accountable internet" and "Rules on regulation of online curated content on OTT platforms" organized by UGC, New Delhi



Study tours



UG II year AB batch students as well as PG & PhD students of the department of PSMA visited Cocunut+Cocoa+Arecanut fields at Kadiyadda, 3F oil palm processing unit at Yernagudem, 3F oil palm nursery and Cashew processing unit at Nallajerla on 13.04.2023. Dr. T. Ravi Kiran, Asst. Prof. (Hort.) accompanied the students.





Dr.K.Swarajya Lakshmi, Prof. (Hort.) from Dr.YSRHU – CoH, Anantharajupeta, arranged an exposure visit to 1st yr CD batch B.Sc (Hons) Horticulture students to “Sri Durga Horticulture Nursery” located in Anantharajupeta on 04-04-2023. Students learned about various tools and implements used in nursery management. They observed shade nets, polythene covers, wheel borrow, and other tools.

On 4.04.2023, Dr.YSRHU – CoH, Chinnalataripi conducted exposure visit to second year B.Sc. (Hons.) Horticulture students to Gundlakamma reservoir, Prakasam District as a part of practical class of course Environmental studies to know about lentic and lotic ecosystems and significance and importance of reservoir. The tour was lead by course in-charge Dr. Sai Manogna, Assistant Professor (Agril. Eng).



Extension

Training Programmes Organized



On 01-04-2023, Dr. Venkata Satish Kuchi and Dr. A. Devi Vara Prasad Reddy Dr. YSRHU-KVK, Venkataramannagudem organised inaugural programme of Vocational Skill Training programme on “Bamboo value addition and Handicrafts preparation” for Tribal youth” at Youth Training Center (YTC), ITDA, KR Puram, Eluru District under Tribal Sub Plan EDP. Dr. T.

Janakiram, Hon’ble Vice-Chancellor, Dr. YSRHU participated as Chief Guest and inaugurated the programme in the presence – of Director of Extension Dr. E. Karunasree and APO Sri PVS Naidu, ITDA and explained about the potential of Bamboo value addition to take up as self employment generation activity by the women and youth in tribal areas. Sri Marayya, Master trainer from YTC, ITDA facilitated the programme.



On 11-04-2023, Dr.M.Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem conducted a training programme on ‘Methods of soil sampling and importance of soil testing’. MAO’s and RBK In-charges of West Godavari district participated in the training programme and learned the methods of soil sample collection, preparation and interpretation of soil health status.

Dr. E. Karuna Sree, Principal Scientist & Head, Dr.YSRHU-KVK, Venkataramannagudem addressed the gathering on importance of soil health cards and interpretation of soil test data. District Agriculture Officer, West Godavari and officers of Dept. of Agriculture participated.





On 13-04-2023, Dr. Venkata Satish Kuchi and Dr. K. Venkata Subbaiah, KVK, Venkataramannagudem conducted training programme on “Fertigation in Coconut” in collaboration with Department of Horticulture at Telikicherla Village of Nallajerla Mandal. Later provided critical inputs for FLD on "Fertigation in coconut". Demonstrated the method of water soluble fertilisers application through drip in coconut for better yields and economics.

Training Programmes Attended

Dr. Venkata Satish Kuchi, Dr. YSRHU-KVK, Venkataramannagudem attended National level Training programme on cocoa production and processing technologies from 03-04-2023 to 05-04-2023 at Dr. YSRHU-Horticultural Research Station, VR Gudem.



VC to Village Activities



On 12.04.2023, Dr.YSRHU – MRS, Nuzvid conducted VC to Village programme at adopted village Hanumanthunigudem and suggested post harvest management for better quality and price.

Natural Farming

On 06-04-2023, Dr M Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem organized an exposure visit to farmers from Bijapur, Chattishghar and explained about natural farming practices and production technology of Vermicompost, Vermiwash and Azolla production and use as organic inputs for various horticultural crops.



On 11 April 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted a demonstration on Agnasthram preparation under Out-scaling of natural farming project at Venugopalapuram village, Balayapalli mandal, Tirupati district. Mr. Srinivasulu, Natural farming farmer explained Agnasthram preparation procedure, its role in different pest control in Acid lime, Brinjal and Chilli crops for farmers. Later, installed Blue & Yellow sticky traps in Chilli field for thrips and white flies' control, respectively. Smt. I. Rajeevana, Scientist (SSAC), Dr.YSRHU-KVK, Periyavaram APCNF staff and farmers participated.

Year of Banana Activities

Dr.K.Gopal, Associate Dean, Dr.YSRHU- CoH, Anantharajupeta, all the teaching staff and students participated in the inaugural session of “Banana Graduate Readiness Program” on 03-04-2023 through online mode.



On 11.04.2023, under Dr. YSRHU-Year of Banana 2022-23, Dr. T. Janakiram , Honorable Vice-Chancellor, Dr. YSRHU , Dr. B.M.K. Reddy, Chairman, A.P. State Biodiversity Board, Dr. L. Naramnaidu, Director of Research, Dr.YSRHU and Dr. P. Lalitha Kameswari, Principal Scientist & Head, KVK, Pandirimamidi planted tissue culture Banana (Variety:Amritpani) in KVK Farm. Later, Vice-Chancellor reviewed KVK activities, visited demonstration units and institutional farm. Principal Scientist & Head and other Scientists (Horticulture, Plant Pathology & Extension) of Dr.YSRHU- KVK, Pandirimamidi participated in this programme.



On Farm Trials



On 11.04.2023, the scientists of Dr.YSRHU – KVK, Vonipenta, Dr. N. Srividya Rani, Scientist and Head, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. M. Harshitha, Scientist (SSAC) and Dr. B.S. Kanthi Sri, Scientist (Home Science) conducted a field day on Assessment of Management Modules against Fall Army Worm in Maize in Obulapuram Village of Mydukur Mandal. The farmer stated, an yield of 48.8 quintals/

hectare and gross returns of 97,600 rupees and the fall army worm was controlled up to 90 per cent.

Method Demonstrations

On 13 April 2023, Dr. D.Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram distributed Mango fruit covers (bags) to the beneficiary farmers at CC Kandriga village, Venkatagiri mandal, Tirupati District and also conducted a method demonstration on " Fruit bagging in Mango" for getting of quality fruits .



SC sub plan 2022-23 Activities

Dr. YSRHU COH, Ananatharajupeta, as a part of SC sub plan, 2022-23 project: "Skill development training programme on low cost on farm mass production of bio pesticides for SC farmers of YSR Kadapa district" and "Quality fruit production of mangoes through nutrient management and adoption of eco-friendly, organic/bio based plant protection modules" were organized as an exposure visit to RARS, Tirupati, and S.V. Agricultural College, Tirupati with 50 SC farmers of Railway Koduru mandal on 3.4.2023. Farmers were taken to the biofertilizer and bio pesticide production units and Vermicompost unit by Dr. Ravindra Reddy, Senior Scientist at RARS, Biofertiliser unit and S.V. Ag. College,Tirupati, Dr. Y. Sireesha, Asst. Prof. & PI, Dr. Y. Deepthi Kiran, Asst. Prof. (Ag.), Dr.Syam Sundar Reddy, Assoc. Prof. (Hort.), Dr. K. Lalitha, Associate Professor (Ag.), Dr. Syed Sadarunnisa, Professor (Hort.) and 10 PG students, attended the programme.



Dr. YSRHU, CoH-Ananatharajupeta, as a part of SC sub plan, 2022-23 project: An exposure visit was conducted to Charuhasa Biotech Pvt. Ltd., Chitvel along with 20 SC farmers on 04-04-2023 to educate the farmers about the tissue culture banana, ornamental plant production. Later visited horticultural nursery. The programme was organized by Dr. Y. Sireesha, Asst. Professor (Pl.Path.), Dr. Syed Sadarunnisa, Professor (Hort.), Dr. G. Sarada, Assoc. Professor (Ento.), Dr. Y. Deepti Kiran, Asst. Professor (Agro.) and PG students.



Diagnostic Visits



Dr. Ch.Ruth, Professor (Pl. Path) and Dr.K.Swarajya Lakshmi, Professor (Horticulture) along with M.Sc and Ph.D students visited Mango gardens of Sri Modem Lakshmikar and Sri M. Venkatesh in adopted village, Y.Kota on 05-04-2023 and observed anthracnose symptoms developing on mango fruits. Observed blackening of leaves due to sooty mould, stone weevil infestation, severe fruit drop in Neelum, Baneshan and Bangalora varieties and suggested suitable remedial measures to the farmers.

On 03 April 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU - KVK, Periyavaram conducted a diagnostic field visit to Colocasia at Kurjagunta village, Venkatagirimandal, Tirupati District. Observed the leaf spot disease & suggested spraying of Mancozeb @ 2.5g/l or Mancozeb + Carbendizim @ 2g/l. Conducted a diagnostic field visit to Water melon at Pularangadupalli village, Venkatagiri mandal, Tirupati District. Observed thrips infestation and suggested spraying of Fipronil @ 2ml/ lit or Dimethoate @ 2ml/lit of water and also suggested to install the blue sticky traps @10-20 per acre.



Udyana Yatra



On 15.04.2022, Dr.E.Karuna Sree, Principal Scientist and Head and Dr. YSRHU-Udyana Yatra team, KVK, Venkataramannagudem conducted an exposure visit to DAESI input deals from Kothapeta mandal of Dr.B.R. Ambedkar Konaseema district. They were taken to demonstration units of KVK, HRS, Centre of excellence and protected cultivation in the campus and explained about the technologies and cost economics in various enterprises.

Phone-in-Programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the First fortnight of April, 2023 (3-4 PM).

Date	Topics	Scientist Name
01.04.2023	పసువిలో కోకోను ఆశించే తెగుళ్ల యాజమాన్యం	Smt. B.Neeraja Scientist HRS, Ambajipeta

03.04.2023	అరటి తోటలలో సిగట్‌కా ఆకుమచ్చ తెగులు యాజమాన్యం	Dr.M .Sunil Kumar Scientist BRS, Pulivendula
04.04.2023	కర్రపెండలంలో విలువ ఆధారిత ఉత్పత్తులు	Dr.M.Janaki Scientist (Hort.) & Head, HRS, Ped- dapuram
06.04.2023	ఆధునిక పద్ధతులలో కురగాయల నర్సరీల యాజమాన్యం	Dr.K.Venkata Satish Scientist KVK, Venkataramannagudem
10.04.2023	అరటిలో క్యా తోటలలో ఎరువుల యాజమాన్యం	Dr.T.Susila Sr. Sc. (Hort.) & Head BRS, Pulivendula
11.04.2023	నిమ్మలో కాపు నియంత్రణ	Dr.K.Venkata Subbaiah Scientist KVK, Venkataramannagudem
12.04.2023	నువ్వు సాగులో పాటించవలసిన యాజమాన్య	Dr.N.Srividya Rani Scientist (Ag. Ext.) & Head KVK, Vonipenta
13.04.2023	నల్లమిరియాలలో చీడ పీడల యాజమాన్యం	Dr.V.Sivakumar Scientist & Head HRS, Chintapalle
15.04.2023	కరివేపాకు పంట సాగు లో పాటించవలసిన యాజమాన్య పద్ధతులు	Sri.M. Mutyala Naidu Principal Scientist (Hort.) & Head HRS, Darsi

Technical support to RBK Channel

Following Scientists of Dr YSRHU are deputed for recording technical content at Integrated Call Centre, Gannavaram through RBK Channel during the April First fortnight, 2023.

Date	Topics	Scientist Name
03.04.2023	మామిడిలో పంటకోత మరియు రవాణా సమయంలో తీసుకోవలసిన జాగ్రత్తలు	Dr.K.Radha Rani Principal Scientist (Hort) MRS, Nuzvid
10.04.2023	వేసవిలో వంగ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.K. Venkata Satish Scientist (Hort) KVK, VR Gudem 9177950927

General

Radio programmes:

Dr.YSRHU - MRS, Nuzvid scientists gave radio programme on 'Fruit fly management, post-harvest disease management and post-harvest handling of mango for quality fruits' recorded by DD-Sapthagiri Channel, Vijayawada on 12-04-2023.

Visits

Dr.YSRHU - KVK, Pandirimamidi, conducted NFDB sponsored 5 days exposure visit to Fisheries institutes in Kakinada and Vishakapatnam from 10.04.2023 to 14.04.2023. Sri K.Veeranjaneyulu, Scientist (Fisheries) coordinated the programme. Ten Fish farmers participated in this programme.



On 6.04.2023, Dr.V.Deepthi, scientist (Agricultural extension), Dr.YSRHU-KVK, Venkataramannagudem, organized an exposure visit to Chhattisgarh farmers and explained about the digital extension activities of Dr. YSRHU such as electronic wing and community radio station.



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