



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-30 April 2022



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From Vice-Chancellor's Desk SHRD AWARDS to Dr.YSRHU



Society for Horticultural Research and Development (SHRD) has organized the 2nd Indian Horticulture Summit - 2022 on the theme "Horticulture for Prosperity and Health Security" from 27 to 29 April, 2022 at Navsari Agricultural University, Navsari, Gujarat, India.

SHRD has awarded Life Time Achievement Award to Dr.T.Janakiram, Vice-Chancellor, Distinguished Horticultural Scientist Award to Dr.D.Venkata Swamy, University Librarian, Best Young Women Horticultural Scientist Award & Best Oral Presentation Award to Dr.V.Deepthi, scientist (Agricultural Extension), KVK, venkataramannagudem, Best Research Paper Award to Dr. D. Sreedhar, Scientist (Hort), HRS, Anantharajupeta, Best Ph.D Thesis Award & Best Oral Presentation Award to Dr.S.Firoz Hussain, Scientist (Horticulture), from KVK, Vonipenta, Best Farmer Award with intervention of CRS, Tirupati to Sri Bollineni Diwakar, Farmer, Anantapur district, Best Oral Presentation Award to Dr. E. KarunaSree Principal Scientist and Head, KVK, V.R.Gudem and Best Poster Presentation Award to Dr Y. Sharath Kumar Reddy, Scientist (Physiology), HRS, Anantharajupeta of Dr.YSR Horticultural University (Dr.YSRHU).

Dr T.Janakiram
Vice-Chancellor

The Events

Faculty Induction Programme

Faculty Induction Programme was conducted at Dr.YSRHU for newly recruited Assistant Professors, an interactions meet for all Institutions through virtual mode on 30 April 2022, the Hon'ble Vice-Chancellor, Dr.T.Janakiram, Registrar, Dr.K.Gopal and all of the University Officers and teaching staff has congratulated and gave a warm welcome to the new faculty. On this occasion, the Hon'ble Vice-Chancellor gave valuable suggestions and guided the newly recruited Assistant Professors to work with honesty and punctuality and also to take up externally funded projects and serve the farming community and the University with new varieties and technologies.



Global Connect Series



Dr.YSRHU Global Connect Series in collaboration with University of Wisconsin, Madison, USA organized webinar on “Cucumber breeding-Genetics & genomics resources, development of infrastructure for cucumber molecular breeding, cucumber domestication / evolution, use of crop wild relatives” under the chairmanship of Dr. T. Janakiram, Hon'ble Vice-chancellor on 21 April 2022. Dr.Yiqun Weng, Research Geneticist, USDA-ARS-VCRU participated as guest speaker. All university officers, scientists / teachers and students of Dr.YSRHU has participated. Dr.K.Dhanumjayarao, DIIP, Dr.YSRHU co-ordinated the programme.

Jal Shakti Abhiyaan

Dr YSRHU conducted online state-level webinar on JAL SHAKTI ABHIYAAN with theme CATCH THE RAIN – 2022 on 23 April 2022 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. Dr.B.Krishna Rao, Director, Walamtari, Hyderabad, P.R.Ojasvi, Principal Scientist & Head, ICAR-IISWC, Dehradun and Sri M.Rajkumar, TFRI, Jabalpur participated as guest speakers. University Officers and faculty of Dr YSRHU participated in the webinar and interacted after the presentations with participants. Dr.B.Srinivasulu, Director of Extension co-ordinate the programme.



Annual Day Celebrations

College of Horticulture, Chinlataripi had celebrated the College Annual Day for 2021-22 on 18 April 2022 at CoH, Chinlataripi. Hon'ble Vice- Chancellor of Dr. YSRHU, Dr.T. Janakiram, graced as chief guest of the function and addressed the staff & students. Director of Extension, Dr.YSRHU Dr. B. Srinivasulu and Smt. Ushasri Janakiram graced the occasion as guests of honour. The college Annual Report of Excellence was presented by Dr. S. Surya Kumari, Associate Dean, COH, Chinlataripi. The Student winners in Sports, Games, Literary and Cultural events were awarded prizes and was followed by cultural events by the students.



Fresher's Day Celebrations



The Freshers Day celebrations were organized by 2nd year students (2020 admitted batch) of College of Horticulture, Anantharajupeta on 20 April 2022. In this event the Chief Guest, Dr. T. Janakiram, Honorable Vice Chancellor, Dr. YSRHU in his message congratulated and welcomed the freshers. He stated that the students are very fortunate to secure a seat in Horticulture which is second to none. Dr. K. Gopal, Registrar, congratulated the students for having secured a seat in one of the best colleges. He explained the students about the state of art facilities provided in order to gain practical knowledge. Dr. B.M.K.Reddy, Chairman, A.P. Biodiversity Board, Andhra Pradesh as Guest of Honour, motivated the students in such a way that one should cultivate good habits and follow time management. He further mentioned that there is no substitute for hard work. New ideas will come only when we constantly engage ourselves in continuous work. Sri Y.V.Narsimha Rao, IFS, Divisional Forest Officer, Rajampeta, Guest of Honour, addressed the students of Horticulture that they are the backbone of Indian farmers and providing security to the entire nation. Dr.B.Srinivasulu, Associate Dean, during welcome speech, briefly explained about the facilities available at the university and college and also mentioned that there are well qualified and experienced faculty in the college. In this programme all the faculty and students have participated. The programme was concluded with cultural programmes performed by both juniors and seniors.

Guest Lecture

A guest lecture on "Cashew apple Utilization and Technology Adoption" was arranged for all PG & PhD students, by guest speaker Dr. Laxman Kukanoor, Professor and University Head, Department of Post Harvest Technology, UHS, Arabhavi on 28 April 2022, during his visit to CoH, Anantharajupeta, as External Examiner for conducting comprehensive viva- voce to PG, Post Harvest Technology students.



Research

The open pollinated sweet potato seeds were collected from best parents during 2018-19, 2019-20 and 2020-21. A total of 87 collected op seeds were evaluated during 2021-22. Among them 43 were orange fleshed lines. Seven lines were recorded the total yield of above 40 t/ha and 35 lines have



recorded the total yield of above 20 t/ha.

Thirteen lines recorded the beta carotene content of above 6 mg /100 g.

The open pollinated cassava seeds were collected from best parents during 2019-20. A total of 74 collected op seeds were evaluated during 2020-21 and 2021-22. Among them 63 were CMD resistant. Twenty one lines recorded the total yield of above 20 t/ha.



Dr.P.Ashok, Senior Scientist (Hort.), HRS, V.R.Gudem conducted exploration for unique Jack fruit accessions in Srikakulam district. Some high yielding, round fruited cluster bearing Jack-fruit types were identified in Palasa, Vazrapukotturu and Mandasa areas with the help of Horticulture Officers and Village Horticulture Assistant's on 27-28 April, 2022.

Extension Activities

Vice-Chancellor to Village Activities

On 28 April 2022, Dr. B. Vijayasree, Scientist (Home Science), KVK, Periyavaram, conducted training programme on "Nutri Smart Horticulture" in the adopted village Siddavaram, Venkatagiri (M). Women farmers were acknowledged on Promotion of Nutrigardens, Significance of Nutricereals and its Value addition to improve the nutritional and health status of farm families. In this programme awareness was also created on cultivation of nutritional crops like Millets which are suitable to this area *i.e* Finger millet and Pearl millet along with Cereals as part of Demonstration of Farming system for Nutrition. In this programme Dr. D. Thirupal, Scientist (Horticulture), Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), Farm women and farmers have participated.



On 26 April 2022, scientists of HRS, Ambajipeta conducted concluding field meeting in adopted village Mamidikuduru on adoption of new varieties or hybrids and improved package of practices in coconut, pest and disease management in coconut particularly integrated management practices for controlling Rugose Spiralling Whitefly in coconut. Farmers expressed their satisfaction towards the various programs through out the year conducted by HRS, Ambajipeta in Mamidikuduru village.



Dr. K. Umamaheswara Rao, Senior Scientist (Hort.) & Head (FAC) and Dr. B. Nagendra Reddy, Scientist (Ento.), CRS, Bapatla along with VHA, Bethapudi village visited the Jasmine and chilli fields at Bethapudi village of Bapatla Mandal, Bapatla district on 23 April 2022 and suggested the control measures for thrips management in chilli and bud borer management in jasmine under VC to Village Programme.

Training Programmes



Dr. T. Janakiram, Hon'ble Vice Chancellor attended as chief guest and addressed the gathering on "Dry flower technology" conducted at Prakasarao Palem Village on 30 April 2022. Dr. T. Janakiram, Hon'ble Vice-Chancellor inaugurated the skill development training centre at Rythu Bharosa Kendra and released the pamphlets and a book on Dry flower technology. University officers Dr. A. Sujatha, Dean of Student Affairs and

Dr. B. Srinivasulu, Director of Extension attended the programme. Principal Investigator of SCSP Dr. T. Suseela, Professor (Horticulture) organised the event under the chairmanship of Dr. M. Madhavi, Associate Dean. Teaching staff Dr A.V.D. Dorajee Rao, Professor (Hort.), Dr. Ch. Sai Ratna Sarvani, Assistant Professor (Hort.), P. Pranuthi, Assistant Professor (Hort.) and progressive women farmers participated in the programme.



Dr.L.Ranjith Kumar, Scientist (Entomology), Citrus Research Station, Petlur attended training programme on "Integrated Management of Rugose spiraling whitefly in Coconut as a resource person on 28 April 2022 at RHTI, Gudipallipadu, SPSR Nellore organized by Department of Horticulture, SPSR Nellore . The meeting was attended by DHO, HO along with 30 progressive coconut farmers of different mandals.

Dr.D.Srinivasa Reddy, Senior Scientist (Ento), CRS, Tirupati attended meeting as resource person on Pest & Disease management practices in Horticultural crops at Kisan Mela organized by KVK, Kalikiri as part of Kisan Bhagidhari Prathimiktha Hamari campaign during Azadi ka Amruth Mahotsav at Kalikiri, Annamaiah District on 26 April 2022 and interacted with farmers.



Dr. R.Nagaraju, Principal Scientist (H) & Head and Dr.T. Rajasekharam, Senior Scientist (PP), CRS, Tirupati attended meeting as resource persons on Integrated pest management practices on Mango under Azadi ka Amruth Mahotsav at CRS, Tirupati on 28/04/2022 organized by District Horticulture Officer and Horticulture officer, Department of Horticulture, Tirupati. Scientists interacted with farmers and discussed about the current problems and suggested suitable remedial

measures. Further, felicitated successful FPOs of Annamayya, Chittoor and Tirupati Districts of Andhra Pradesh.

On 25 April 2022, KVK, Periyavaram conducted "National Workshop on Innovative Agriculture" and Dr. B.Govinda Rajulu, Principal Scientist (PP)& Head, KVK, Periyavaram explained about Organic cultivation practices and AO, Venkatagiri explained about Recent technologies in Agriculture farming as well as Agriculture Departments schemes. This programme was coordinated by Dr. D.Thirupal, Scientist (Horticulture) and participated by Dr. P. Manjari, Scientist (Veterinary Science), Dr.BVijayasree, Scientist (Home Science) from KVK, Periyavaram and farmers. Farmers and KVK Scientists have also participated in "Azadi ka Amrit Mahotsav" virtual meeting organized by NITI Aayog, Govt. of India.



On 27 April 2022, Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram, Conducted Training programme on importance of soil testing as part of "Vice-Chancellor to Village" Programme in Siddavaram village, Venkatagiri Mandal. Explained about the uses of soil testing and its importance, need for application of Farm Yard Manure and vermicompost for increasing

the fertility of soil.

On 16 April 2022 Dr .V. Deepthi, Scientist (Agril Extension) attended as a resource person for Kisan Gosti program organized by Department of Agriculture at Rythu Bharosa Kendra, Nallajerla and delivered lecture on summer vegetables cultivation.



On 19 April 2022 Dr.B. Vijayasree, Scientist (Home Science) conducted Training program to SHG women at Jangalapalli village, Venkatagiri (M), enlightened women on Establishment of Income generation activities based on Value addition of functional horticultural crops like Fruits and Vegetables which are important and significant sources of dietary nutritional components for all the age groups by preparing value added products such as Moringa based Millet biscuits, Moringa leaf value added products, Fruit based Toffees, dehydrated and processed products of Vegetables and Value added products of Acid lime. Later visited Nutrigarden field established by women farmer in the village. In this program SERP-APM Smt. Jamuna Rani, SERP-Community Coordinator Venkateswarlu, Sachivalayam team and SHG women have participated.



On 23 April 2022 Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram conducted training programme on “Water conservation and Rain water harvesting technologies” as part of JAL SHAKTHI ABHIYAN programme and explained about the importance of farm ponds and recharge pits as water storage and harvesting structures for cultivation of Horticultural crops. Dr. B. GovindaRajulu, Principal Scientist and Head, KVK, Periyavaram enlightened farmers on importance of Drip irrigation in Horticulture crops. Sri. E. Anand, Horticulture Officer, Venkatagiri explained about Government schemes pertaining to Department of Horticulture.

On 19 April 2022, Dr. Srividya Rani, N, Scientist & Head Dr. S. Lavanya (Livestock Production), Dr. Harshitha (SSAC), Dr. B. Kanthi sri (Home Science) and Dr. Firoz (Horticulture), KVK, Vonipenta participated in Farmers producers organization meeting at Vonipenta village of Mydukur mandal. Dr. Srividya Rani, N, Scientist & Head introduced new staff to the FPO members, farmers and explained the importance of summer ploughing. Dr.S. Lavanya (Livestock Production) explained the summer management practices in livestock and control measures to be taken to reduce the summer stress. Dr. Firoz explained about the management practices in Banana, turmeric and chilli crops. Dr. Harshitha (SSAC) explained about the soil health management and importance of soil testing. Dr. B. Kanthi sri (Home Science) explained the value addition in horticultural crops.



On 25 April 2022, Government of India celebrated the Azadi KaAmrit Mahotsav to commemorate 75 glorious years of progressive India. As a part of this initiative, NITI Aayog organized one day national workshop on Innovative Agriculture. Dr. M. Harshitha, Scientist (Soil Science), Dr. Dr. B.S. Kanthi Sri, Scientist (Home Science)S. Lavanya, Research Associate (Livestock production) and around 20 farmers participated in the work shop through you tube link given by NITI Aayog and explained to the farmers regarding the importance of natural farming and organic farming in the present situations.



On 30 April 2022, KVK, Periyavaram organized training programme on Integrated Management of Pests and Diseases in Acid Lime crop. Dr. B. GovindaRajulu, Principal Scientist and Head, KVK, Periyavaram enlightened farmers on management of Mealy bug, mites, nematodes and root rot infestation in Acid Lime. Dr. P. Manjari, Scientist (Veterinary Science), Dr. B. Vijayasree, Scientist (Home Science), Dr. D. Thirupal, Scientist (Horticulture) and Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) participated in the programme.



KVK, Venkataramannagudem conducted two days skill training program on Value addition in cashew apple from 20-04-2022 to 21-04-2022 under Tribal Sub plan (TSP). In this program, women trainees learned about extraction of juice from cashew apple, preparation of cashew apple squash, syrup and cashew apple juice based mixed fruit jam. Various machinery and equipment provided under ARYA programme enterprise Processing and Value Addition of Fruits and Vegetables were also demonstrated. Dr. E. KarunaSree Principal Scientist, Dr. K. VenkataSubbaiah Scientist Horticulture and Dr. K. VenkataSatish Scientist Horticulture co-ordinated the programme.

On 26 April 2022, Dr.YSRHU - KVK, Venkataramannagudem in collaboration with ATMA conducted Kisan Bhagidari Prathmikta Hamari Campaign on Importance of Organic cultivation in Agriculture and Horticultural crops under 'AzadiKaAmritMahotsav' at KVK, Conference hall. In this program, Dr. R.V.S.K. Reddy, Director of Research, Dr.YSRHU attended as Chief guest and stressed about organic farming for residual free products. ATMA Project Director Shri. B.V.S.C. Hari participated as guest of honour and addressed the gathering. Later as part of technical program all the Department officials and KVK scientific staff, Sri. Balaji, ADH, Eluru, Sri. Murali Krishna, ADA, Tadepaligudem, Sri. Tata Rao, Nodal Officer, ZBNF, Sri. Nuka Raju, ZBNF and Dr. M. Raghavendra Reddy, Scientist (SSAC), Dr. K. Venkata Subbaiah, Scientist (Horticulture) interacted with farmers and also given some solutions on organic farming and also discussed on importance of Millets, Oil seeds and Bio fortified crops. All the dignitaries along with chief guest inaugurated the exhibition stall and also interacted with farmers. In this program, 238 farmers have participated. Exhibition was organized on organic farming for empowerment of knowledge to the farming community.



On 29 April 2022, Dr.YSRHU - KVK, Venkataramannagudem in collaboration with Coconut Development Board, Ministry of Agriculture and Farmers Welfare and Department of Horticulture, Govt. of Andhra Pradesh organized District level workshop on "Scientific coconut cultivation technologies and value addition" under "Annadata Devo Bhava" during the "AzadiKa Amrit Mahotsav" at KVK, Conference hall. Dr. T. Janakiram,

Hon'ble Vice Chancellor, Dr. YSRHU has attended as Chief Guest and addressed the gathering. In this program, Dr. R.V.S.K. Reddy, Director of Research and Dr. A. Sujatha, Dean of Student Affairs (DSA), Dr. YSRHU attended as Guest of Honour and recollected the work done history of HRS, Ambajipeta on development of coconut varieties and improved technologies for coconut farmer's welfare. Dr. B.V.K.Bhagavan, Principal Scientist and Head, Zonal Research Head, Dr. NBV ChalapatiRao, Principle Scientist Entomology has delivered lectures on Improved technologies in Coconut and RugoseSprilling White fly (RSW) management in coconut respectively. District Horticulture Officer chaired the occasion and discussed about the schemes implemented by the Horticultural Department, Govt. of Andhra Pradesh. In this program, 128 farmers have participated.

Field Day

On 22 April 2022 Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram, Conducted Field Day on Groundnut variety KadiriLepakshi (K-1812) under CFLD Oilseeds (Rabi) programme in Yathaluru village of Venkatagiri Mandal. Farmers expressed that the performance of the variety (K-1812) was excellent and it has recorded an yield of 12 q/acre. Dr. B. GovindaRajulu, Principal Scientist and Head, KVK, Periyavaram suggested the farmer to keep it as seed for next season.



Survey

On 22 April 2022, Dr Praveen Babu Rapaka, Scientist (Extension), KVK, Pandirimamidi has visited 20 households (10 control and 10 treatment) and collected data by using interview schedule method from Rampachodavaram and I.Polavaram mandals regarding their daily consumption pattern and dietary requirements.



FLDs



On 22. April 2022 scientists from KVK Venkatamannagudem conducted group meeting with farmers growing Sesame under CFLD oil seeds. Dr E. KarunaSree, Principal scientist & Head distributed the inputs (Yellow sticky trap and neem oil) to the farmers to manage pests in Sesame. Dr .V. Deepthi , Scientist (Agril Extension), Dr T VijayaNirmala (Veterinary Scientist) and Dr M. Raghavendra Reddy, Scientist (Soil Science and Agricultural Chemistry) have participated in the programme.

On 22 April 2022, Dr.Srividya Rani. N, Scientist & Head, Dr. M. Harshitha, Scientist (Soil Science and Agricultural Chemistry) Dr. B.S. Kanthi Sri (Home science) Dr.S. Firoz Hussain (Horticulture) and Dr. S. Lavanya (Veterinary Science), KVK, Vonipenta conducted follow up visit under CFLD oil seeds- Groundnut variety K9 at Obulapuram village of Mydukur mandal. Scientists observed the growth parameters of Groundnut as an intercrop and observed stem rot disease in the field and suggested suitable control measures.



Kisan Mela

On 26 April 2022, KVK, Periyavaram organized National campaign and Kisan Mela on BharatiyaPrakruthik Krishi Padhathi as part of Azadi ka Amrit Mahotsav. Dr. B. GovindaRajulu, Principal Scientist and Head, KVK, Periyavaram enlightened farmers on importance of Natural Farming in Horticulture crops. The Programme was held by arranging exhibition stalls of KVK, Department of Agriculture, Horticulture, Animal Husbandry, ZBNF, input agencies, farmers and entrepreneurs. Technical discussions on Oilseeds, millets and management practices in Horticulture crops through Natural Farming was conducted followed by Farmer Scientist interaction meeting. Farmers and farm women who are practicing Natural Farming successfully were felicitated in the programme and distributed PMDS seed kits to the participants of the programme. Dr. P. Manjari, Scientist (Veterinary Science), Dr. B. Vijayasree, Scientist (Home Science), Dr. D. Thirupal, Scientist (Horticulture) Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), Dr. C. Madhumati, Principal Scientist, CRS Petlur, Deputy Director of Agriculture, District Horticulture Officer, Tirupati, ADA, ADAH, Venkatagiri, scientists of RARS, Tirupati and ARS, Perumalpalle participated in the programme along with farmers and farm women.



On 26 April 2022, KVK, Vonipenta organized an event on “Kisan Bhagidari prathamikta Hamari” as a part of Azadi Ka Amrit Mahotsav which is an initiative of the Government of India to celebrate and commemorate 75 years of Independence. KVK Head and Scientist, Dr. Sri Vidya Rani.N, explained about the main objectives of conducting the event as it is our first priority to make farmers rich and empowered. Also highlighted the need to adopt natural farming and how to reduce farm expenditure by using natural inputs in farming. The event was chaired by Sri Michel Rajeev (DPD ATMA) and Dr. Bhaskar Padmodaya (Programme Co-ordinator, DAATTC-Kadapa). Sri Michel Rajeev addressed farmers on importance of the cultivation of millets and how to reduce farm expenditure. Dr. Bhaskar Padmodaya conducted a farmer-scientist interaction session and explained various aspects of value-addition, bio-fortification and nutritional security in farm families. Sri Krishnamurthy (ADA-Mydukur), Sri Eshwar Reddy (H.O-Mydukur) and Dr. Chaan Bhasha (VAS-Vonipenta) explained about different government schemes related to the agriculture, horticulture, veterinary departments and cleared all the doubts of farmers related to the subsidies and insurance provisions. ZBNF, Horticulture Department, Veterinary Department and some of the natural farming farmers arranged stalls with fruits, vegetables, flowers and organic products, veterinary related products. KVK scientists and local fertilizer company managers also participated in the event. Total 171 farmers from various surrounding villages attended the event with great interest.

ICAR - SCSP Activities

CoH, Venkataramannagudem conducted awareness programme on “Apiculture” and distributed Honey bee boxes to the farmers under SCSP-IPM project at Prakasharaopalem village, Nallajerla mandal on 25 April 2022. Principal Investigator of SCSP Dr. N. Emmanuel, Associate Professor (Entomology) co-ordinated the programme



World Earth Day



On 22 April 2022 scientists from KVK Venkatamannagudem organized “World Earth Day” on April 22 in Marellamudi Village, Nallajerla mandal. Dr E. KarunaSree, Principal scientist & Head addressed on “World Earth Day” significance and importance on conservation of soil health through organic manure usage. Dr. M. Raghavendra Reddy, Scientist (Soil Science and Agricultural Chemistry) addressed on theme “Invest In our Planet” and explained the importance to shift towards sustainable practices. Dr .V. Deepthi , Scientist (Agril Extension) and Dr T VijayaNirmala (Veterinary Scientist) explained about the improved cultivation practices of fodder crops and management of milch animal waste into organic manure.

World Veterinary Day

Dr.T.VijayaNirmala, Scientist (Veterinary Science) and Dr.A.Devivaraprasadsreddy, Scientist (Fishery Science), KVK, Venkataramannagudem conducted “World Veterinary Day” on 30 April 2022. On this day training was conducted on Summer management of dairy animals and small ruminants and also distributed mineral mixtures, livertonics and deworming drugs to livestock farmers to improve production performance of dairy animals at Venkataramannagudem village.



Diagnostic visits

From 25 to 28 April 2022, team of Scientists from HRS, Ambajipeta conducted the roving survey and surveillance programme of AICRP–Palms in north coastal districts viz. erstwhile Srikakulam, Vizianagaram, and Visakhapatnam of Andhra pradesh to record the pest and diseases incidence status on coconut and conducted demonstrations on management of *Ganoderma* wilt disease in coconut under CDB TMOC project. Scientists also visited the coconut fields infested with *Opisina arenosella* on coconut in Makarampuram puram village of kanchili mandal and coconut fields infested with preponderant disease *Ganoderma* in the villages of kaviti and kanchili mandalas of Srikakulam district and demonstrated the recommended management practices. In this area RSW, Red palm weevil, termite and Rhinoceros beetles are observed as major pests and *Ganoderma* wilt, Stem bleeding, Bud rot, Leaf blight and Grey leaf spot are also reported.



Dr.Ch. Ruth, Prof. (Pl.Path), Dr. K. Swarajya Lakshmi, Prof. (Hort.), along with PG Plant pathology students of CoH, Anantharajupeta visited banana cv.Sugundham variety of two months old garden Y.Kota village, Obulavaripalli mandal on 27 April 2022. Observed severe infestation of fusarium wilt and rhizome weevil incidence. Remedial measures viz. drenching of Carbendazim 1g./L. of water, application of Carbofuron granules@10kg/acre and application of fertilizers and micronutrients suggested.



Dr.Ch. Ruth, Prof. (Pl.Path), Dr. K. Swarajya Lakshmi, Prof. (Hort.) of College of Horticulture, Anantharajupeta visited banana cv.Amruthapani variety of three months plantation Uttuvaripalli, Pullampeta mandal on 28 April 2022. Observed infestation of rhizome rot. Suggested drenching of Copper Oxy Chloride 3g./L. of water with streptomycin 0.5g./L of water.

Dr K. Umamaheswara Rao, Senior Scientist (Hort.) & Head (FAC), Dr. B. Nagendra Reddy, Scientist (Ento.) and scientists of Mango Research Station, Nuzvid visited the cashew fields at Annavaram and Siddartha Nagar villages of Nuzvid Mandal on 19 April 2022 and observed the Nannari as a intercrop in cashew and suggested the control measures for foliage and floral pests management in cashew. Advised the cashew farmers on cultivation practices.



Dr K. Umamaheswara Rao, Senior Scientist (Hort.), Dr. B. Nagendra Reddy, Scientist (Ento.) along with Sri. M. Venkateswarlu, Additional Director of Horticulture, Sri. R. Srinivasa Rao, DDH and DHO, Vizianagaram and Sri. K. Satyanarayana Reddy, DHO Parvathipuram Manyam district visited the cashew fields at Parvathipuram, Veeragattam and Seethampeta Mandals of Pravathipuram Manyam district to assess the condition of cashew crop on 30 April 2022 and the report was submitted to Government of Andhra Pradesh.



Sri.E.Khamdar Naik, Scientist (Hort.) Citrus Research Station, Petlur conducted field diagnostic visit of the dragon fruit orchard and observed flowering in different types of dragon fruit crop at Dakkili Mandal on 24 April 2022 and suggestions were given in crop management in different fruit crops.



On 19 April 2022, Sri. G. Sandeep Naik, Scientist (Pl Path), HRS, Anantharajupeta visited Mango fields in Mukkavaripalli village of Obulavaripalli mandal. During the visit Scientist explained about precautions to be taken during fruit development stage and also selected Mango garden for execution of experiment on "Slow release pheromone formulation for the management of fruit fly in Mango".

Dr. Ch.S. Kishore Kumar, Senior Scientist (Plant Pathology), proceeded to Dommeru and nearby villages on 18 April 2022 for diagnostic visit and observed incidence of nematodes in elephant foot yam and guava crops. Recommended to raise marigold in the basin along with application of *Trichoderma viride* + *Pseudomonas fluorescens* + *Paecilomyces lilacinus* along with neem cake for the management.

On 29 April 2022 Dr. D. Thirupal, Scientist (Hort.), KVK, Periyavaram conducted diagnostic field visit in Acid lime orchard at Siddavaram adopted village (VC to Village), Venkatagiri Mandal and identified Mealy bug infestation & suggested spraying of Streptocycline @ 1g + Copper Oxy Chloride @30g/10 liter. Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) and Dr. B. Vijayasree, Scientist (Home Science) were also participated in this field visit.



On 16 April 2022, Dr.T.VijayaNirmala, Scientist (Veterinary Science) and Dr. A. Devivaraprasad Reddy, Scientist (Fishery Science), KVK, Venkataramannagudem conducted diagnostic visit to buffalo farm of K.Thatharao, farmer from Telikicherla village, Nallajerla mandal. In this examined the buffalo calf which is showing symptoms such as rough hair coat, dull, emaciated, edema under abdomen and also infested with ecto-parasites and treated with Piperzine – 20 ml orally, Vitamin A liquid – 5 ml and external application of Butox @ 2ml in 10 liters of water and also suggested feeding of calf starter @200 g/day/calf.

On 16 April 2022, Dr.T.Vijaya Nirmala, Scientist (Veterinary Science) and Dr. A. Devivaraprasad Reddy, Scientist (Fishery Science), KVK, Venkataramannagudem conducted diagnostic visit to buffalo farm of Choutipalli Mahankali, farmer from Telikicherla village, Nallajerlamandal. In this examined that the buffalo calf suffering from diarrhea, rough hair coat and depressed and treated with Neblon powder – 15 g, Cephalixin oral powder – 10 mg/kg.b.wt for 3 days, Piperzine – 20 ml and Vitamin A liquid – 5 ml orally once.



On 20 April 2022, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted a diagnostic visit in chilli at G.V. Satram village of Mydukur Mandal. Observed thrips and aphid infestation in chilli and recommended spraying of Acephate @ 2.0 g litre⁻¹. Horticulture Officer, Mydukur, VHA, participated in this visit.



On 23 April 2022, Scientists working under AICRP, Palms at HRS, Ambajipeta visited fields of Natural farming system at Lakkavaram, Malikipuram, Pothailanka and Pedapudi villages of Konaseema district and documented the salient practices adopted by farmers like green manuring, FYM, panchagavya, vermicompost, cow penning and recorded the yields. The team also documented the intercrops grown and pest and diseases incidence.

On 19 April 2022 Dr .V. Deepthi , Scientist (Agril Extension) and Dr M. Raghavendra Reddy, Scientist (Soil Science and Agricultural Chemistry) conducted follow-up visit in Lakshmipuram village, Devarapalli mandal and organized focussed group discussion with the farmers of on improved varieties of Groundnut. Later, visited on-going organic Groundnut cultivation demonstration plots of KadiriLepakshi and Nithyahaartha conducted under SC Sub Plan programme and suggested timely harvesting to avoid hypogeal germination of seed. Also suggested to keep the seed of improved varieties for multiplication.



On 22 April 2022, KVK, Venkataramannagudem conducted diagnostic visit to backyard poultry unit of farmer from Marallamudi village, Nallajerla mandal and examined aseel cock which is suffering from mite infestation of legs and suggested treatment with dusting of deltamethrin/cypermethrin powder externally once weekly up to four weeks. Also examined buffalo calf with internal parasites and suggested treatment with broad-spectrum anthelmintic drugs at monthly intervals upto three months age. In this Dr.T. VijayaNirmala, Scientist (Veterinary Science), Dr.E.KarunaSree, Principal Scientist & Head, Dr.V.Deepthi, Scientist (Agriculture Extension) and Dr.M.Raghavendra Reddy, Scientist (SSAC) have participated.

On 22 April 2022, Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Dr. S. Firoz Hussain and Dr. Sri Kanthi Sri and Dr.S.Lavanya, Scientist, KVK, Vonipenta conducted a diagnostic visit in brinjal field at Obulapuram village of Mydukur mandal. Scientists observed mealy bug infestation and suggested spraying of Rogor @ 1.0 ml litre⁻¹ for its control.



On 22 April 2022, Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Dr. S. Firoz Hussain and Dr. Sri Kanthi Sri and Dr.S.Lavanya, KVK, Vonipenta conducted a diagnostic visit in Tuberose at Obulapuram village of Mydukur mandal. Scientists observed stem rot infestation and suggested soil drenching of Bavistin @ 2.0 g litre⁻¹ along with Tilt @ 2.0 ml litre⁻¹ for its control.

On 20 April 2022, Scientists of HRS, Ambajipeta proceeded to roving survey to the Devarapalli, Yernagudem, Kamavarapukota and Dwaraka Tirumala mandals of West Godavari district and recorded the pest and disease incidence in cocoa and coconut cropping systems later conducted the CDB TMOG Project training programme to the FPO farmers of the above mandals on field mass production of biocontrol agents for the management of coconut diseases.



On 22 April 2022, Dr. Srividya Rani. N, Scientist & Head, Dr. S. Lavanya, Research Associate (Livestock production) and Scientific team of KVK, Vonipenta visited conducted diagnostic visit in fodder variety Super Napier at Obulapuram village of Mydukur mandal. Dr. S. Lavanya, Research Associate (Livestock production) explained the importance of feeding this grass variety for high milk yield production and it contains of 16% to 18% proteins with high yield protein and soluble sugars.



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

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the second fortnight of April, 2022 (3-4 PM).

Date	Topics
16.04.2022	వేసవిలో జీవ పెంపకంలో మెళకువలు డా.టి.విజయ నిర్మల, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
18.04.2022	చీని, నిమ్మ తోటలలో సమగ్ర సస్యరక్షణ డా.బి.గోవింద రాజులు, ప్రధాన శాస్త్రవేత్త & హెడ్, కె.వి.కె, పెరియవరం
19.04.2022	ఉద్యాన పంటలలో నులిపురుగుల యాజమాన్య పద్ధతులు డా.సి.హెచ్.ఎస్.కిషోర్ కుమార్, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం. కొవ్వూరు
20.04.2022	అల్లం సాగులో మెళకువలు డా.వి.శివ కుమార్, శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, చింతపల్లి
21.04.2022	ఉద్యాన పంటల్లో కోత అనంతర యంత్రాలు – ఆవశ్యకత శ్రీ పి.సి.వెంగయ్య, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, పందిరిమామిడి
22.04.2022	పసుపు పంటలో యాజమాన్య పద్ధతులు డా.కె.గిరిధర్, ప్రధాన శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లాం
23.04.2022	మిరపలో తెగుళ్ళ యాజమాన్యం శ్రీమతి టి.విజయలక్ష్మి, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లామ్
25.04.2022	చీని, నిమ్మ సాగులో మెళకువలు డా.సి.మధుమతి, ప్రధాన శాస్త్రవేత్త & హెడ్, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
26.04.2022	కొబ్బరిని ఆశించే తెగుళ్ళ నివారణకు జీవ నియంత్రణ పద్ధతులు డా.వి.గోవర్ధన్, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అంబాజీపేట
27.04.2022	టిప్టూర్ అరటిలో సమగ్ర యాజమాన్యం డా.రవీంద్ర కుమార్, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, కొవ్వూరు

Date	Topics
28.04.2022	చేపలు మరియు రొయ్యలలో వ్యాధుల యాజమాన్యం డా.ఎ.దేవివరప్రసాద్ రెడ్డి, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
29.04.2022	జీడిమామిడిలో కాండం తొలిచేపురుగుల యాజమాన్యం డా.బి.నాగేంద్ర రెడ్డి, శాస్త్రవేత్త, జీడిమామిడి పరిశోధన స్థానం, బాపట్ల
30.04.2022	బొప్పాయి తోటల్లో సమగ్ర సస్యరక్షణ డా.టి.నాగలక్ష్మి, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతరాజుపేట

“Udyana Vani” programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following “Udyana Vani” Programs during the second fortnight of April, 2022.

Date	Topics
16.04.2022	టిప్టూకల్చర్ అరటి సాగులో సమగ్ర పోషక యాజమాన్యం
18.04.2022	చీని, నిమ్మలో పురుగులు మరియు తెగుళ్ళ యాజమాన్యం
19.04.2022	వాతావరణ సూచనలు; ఏప్రిల్ మాసంలో కూరగాయలు & పూల తోటల నందు చేపట్టవలసిన పనులు; ఉద్యాన రంగంలో ప్లాస్టిక్ వినియోగం
20.04.2022	కర్రపెండలం సాగులో మెళకువలు
21.04.2022	దుంప పంటలలో విత్తనోత్పత్తికి పాటించవలసిన మెళకువలు
22.04.2022	ఉద్యాన పంటలలో నులి పురుగుల యాజమాన్య పద్ధతులు
23.04.2022	చేపలు & రొయ్యలలో వ్యాధుల యాజమాన్యం
25.04.2022	బత్తాయిలో పోషక లోపాలు – వాటి యాజమాన్యం
26.04.2022	బొప్పాయి తోటల్లో సమగ్ర సస్యరక్షణ
27.04.2022	వాతావరణ సూచనలు – కొబ్బరిని ఆశించే తెగుళ్ళ నివారణకు జీవ నియంత్రణ పద్ధతులు
28.04.2022	వేసవిలో కూరగాయల సాగులో సలహాలు – సూచనలు
29.04.2022	అల్లం సాగులో మెళకువలు
30.04.2022	మిరపలో తెగుళ్ళ యాజమాన్యం

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 second fortnight of April, 2022.

Date	Topic	Scientist Name
18.04.22	వేసవిలో కూరగాయల సాగులో మేలైన యాజమాన్యం	Dr.M.Ravindrababu, Senior Scientist (Horticulture), HRS, V.R.Gudem
22.04.22	పాలిహౌస్ లో పూల సాగులో మేలైన యాజమాన్యం	Dr.P.Lalitha Kameswari, Principal Scientist & Head, KVK, Pandirimamdi
25.04.22	పర్మికంపోస్ట్ తయారీ మరియు ఉద్యాన పంటలలో ఉపయోగాలు	Dr.K.Venkata Subbaiah Scientist(Hort.), KVK,VR Gudem
29.04.22	భూసారము,సాగు నీరు మరియు పంట మొక్కల పరీక్షల విధానము – ఆవశ్యకత	Sri P.Rajasekhar Scientist, KVK, Pandirmamidi

Phone-in-Live Programmes

Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati attended phone-in-live programme on “Integrated Citrus crop management practices during summer” on 26 April 2022 at All India Radio, Vijayawada.

General

Meetings

As a part of Azadi ka Amrut Mahotsav Celebrations and Kisan Bhagidari-Prathmika-Hamari campaign on 26 April 2022 Dr. S. Surya Kumari, Associate Dean, College of Horticulture, Chinlataripi participated in the Kisan Mela at ICAR-KVK,Kandukur,SPSR,Nellore with a theme on Organic and Natural Farming.



Dr.G.Ramanandam, Principal Scientist (Hort.) & Head, HRS, Kovvur attend Multidisciplinary committee meeting to review the progress of effective implementation of the suggested measures with respect to Forest, Ecology, Wild cite, soil aspects while exciting the project on 20 April 2022 at Polavaram.

Dr. A. Snehalatha Rani, Scientist (Plant Pathology), Dr.K.Sireesha, Senior Scientist (Entomology), Dr.V.Siva Kumar, Scientist (Horticulture), Dr.L.Mukunda Lakshmi, Senior Scientist (Horticulture) and Dr.B.Ramesh Babu, Senior Sciensit (Horticulture) have participated in the Virtual Meeting for the FAO-TCP Stakeholders on 27 April 2022.

On 28 April 2022, Scientists of HRS Ambajipeta participated in the district level workshop on scientific coconut technologies/Value addition organized by CDB Vijayawada in association with HRS, Ambajipeta as a part of Azadika Amrit mahotsav, Annadata devobhava and explained about different insect pests/diseases of Coconut and their management. Around 50 farmers participated in the meeting.



Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), Dr.YSRHU-HRS,Kovvur participated in zoom meeting on "Significance of indigenous quality stock culture for agriculture industry and enhancing farmer's income' on 20 April 2022 organized by Biotech Consortium India Limited (BCIL), DBT, GOI, New Delhi.

Dr.A.Devivaraprasad Reddy, Scientist, KVK,DrYSRHU, VRGudem has participated and representative of esteemed university in the review meeting of Community Radio Station (CRS) at various agricultural universities on 27 April 2022. Senior Officials from Ministry of Information and Broadcasting has explained about the importance of CRS. The meeting was organized under the Chairmanship of Dr.R.C. Agarwal, DDG, Education, ICAR, New Delhi.

On 18 April 2021, Srividya Rani, N, Scientist and Head, Krishi Vigyan Kendra, Vonipenta and Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta attended ZREAC meeting held at ARS, Utukur, Kadapa. In this programme Associate Director of Research, Tirupati, Dr. Rajasekhar, Director of Research, ANGRAU, Dr. L. Prasanthi and Principal Scientist and Head, Dr. C. Chandrika and District Agriculture Officers, Horticulture Officers along with farmers attended the meeting and reviewed about the newly released varieties in Agriculture crops.

Visits

Dr.C.Madhumathi, Principal Scientist (Hort.) & Head, Dr.M.Kavitha, Senior Scientist (Plant Pathology), Dr.B.Pratap, Sr.Scientist, Dr. L.Ranjith Kumar, Scientist (Entomology) and Sri.E.Khamdar Naik, Scientist (H), CRS, Petlur briefed about the research station activities and ongoing projects and the nursery activities in both acid lime and sweet orange of the station to the students of JS Agricultural College Tirupati on 23 April, 2022



Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati inspected various works taken up by the A.P. Urban greening and Beautification Corporation on 30 April 2022 at Vempalli and Pulivendula of YSR Kadapa district Students from Ramachandrapuram, VSM College visited HRS Kovvur on 23 April 2022 and were briefed about the ongoing research activities and Tissue culture propagation techniques and its advantages.

On 20 April 2022, students from Agricultural College, Rajahmundry, ANGRAU visited KVK, Pandirimamidi and observed all the demo units present in the KVK. Dr. P. Lalitha Kameswari, Principal Scientist and Head, Krishi vigyan Kendra, Pandirimamidi has interacted with the students and explained about all the mandate activities of KVK. Individual scientists of KVK showed and explained about the demo units present in the KVK such as cashew nursery, goatery, poultry, azolla unit, apiary unit, mushroom production unit, balaji and petlur block, cashew block, Guava rejuvenation block, dragon fruit block and spawn production unit etc. Total 67 students, visited the KVK.



Dr.E.Karunasree, Principal scientist and Head, and Dr.V.Deepthi, scientist (Agricultural Extension) KVK, Venkataramannagudem visited the Navsari Krishi Vigyan Kendra and Post Harvest Technology Centre, Gujarat and interacted with the scientific staff. Later visited the kvk demonstrational units and various processing equipments/machineries in PHTC.



Research Papers

Prajwala, K. A., Bhagavan, B.V.K., Ravindra Kumar, K., Subbaramamma, P., Prabhakara Rao, K and Gouri Shankar, T. (2022). Establishment of axenic cultures in Pomegranate cultivars Bhagwa and Super Bhagwa. The Pharma Innovation Journal, 11(4): 35-40.

Prajwala, K. A., Bhagavan, B.V.K., Ravindra Kumar, K., Subbaramamma, P., Prabhakara Rao, K and Gouri Shankar, T. (2022). Optimizing *in vitro* axenic culture establishment in Pomegranate cultivars Bhagwa and Super Bhagwa. The Pharma Innovation Journal, 11(4): 2120-2125.

Awards

Dr T.Janakiram, Vice-Chancellor, Dr.YSRHU received “Life Time Achievement Award” form SHRD in 2nd Horticulture Summit held at Navasari Agricultural University, Navsari on 27 April 2022.



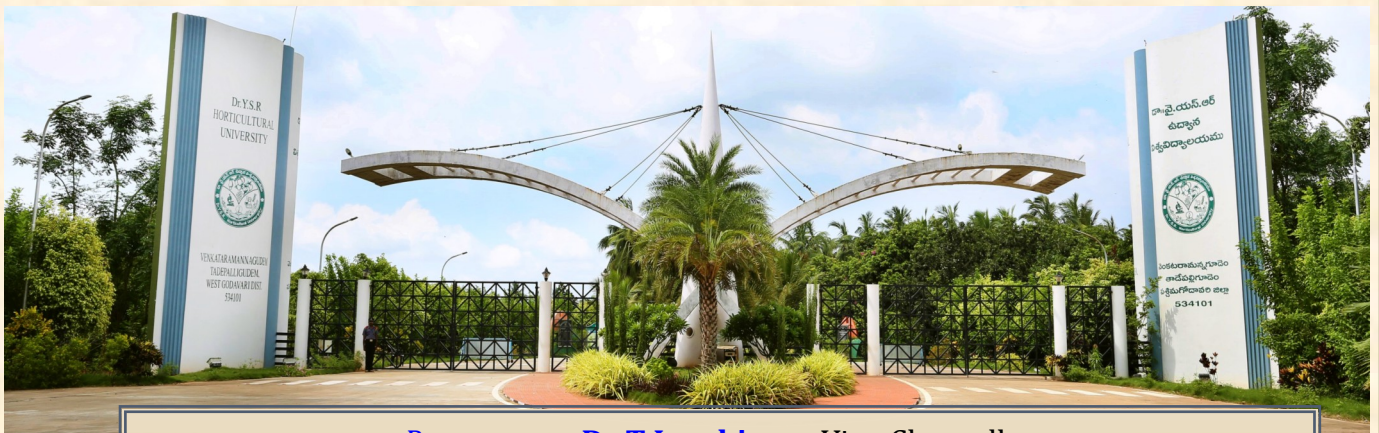
The following scientists of Dr.YSRHU were also awarded during 2nd Indian Horticultural Summit organized by Society of Horticultural Research and Development, Ghaziabad at Navsari Agricultural university Gujarat from 27 to 29 April, 2022.

Name of the Awardee	Award
Dr.D.Venkata Swamy, University Librarian	Distinguished Horticultural Scientist Award
Dr.V.Deepthi, Scientist (Agricultural Extension) KVK, venkataramannagudem	Best Young Women Horticultural Scientist Award & Best Oral Presentation Award
Dr. E. KarunaSree Principal Scientist and Head, KVK, V.R.Gudem	Best Oral Presentation Award
Dr. D. Sreedhar, Scientist (Hort), HRS, Anantharajupeta	Best Research Paper Award
Dr Y. Sharath Kumar Reddy, Scientist (Physiology), HRS, Anantharajupeta	Best Poster Presentation Award
Dr.S.Firoz Hussain, Scientist (Horticulture), from KVK, Vonipenta	Best Ph.D Thesis Award & Best Oral Presentation Award
Sri Bollineni Diwakar, Farmer, Anantapur district	Best Farmer Award with intervention of CRS, Tirupati



Dr. Y. Siresha has participated and received best paper in the post session during the National webinar on “Sustainable Interventions towards Resource Conservation and Natural Farming” organized by ANRCM, Lucknow along with AAU, Jorhat during 22nd – 23rd April, 2022 to mark the Earth Day 2022.

Sri.E.Khamdar Naik, Scientist (Hort.), Citrus Research Station, Petlur received Young Professional Award from Society for Agriculture Innovation and Development, Ranchi.



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