

# Dr YSRHU e-Newsletter

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



Vol.IX, Issue-10

Dr YSRHU e-Newsletter

16-31 May 2023



## Fortnight Focus

- The Events
- Education
- Research
- Extension
- General

## From Vice- Chancellor's Desk

Ethnic vegetables, also known as traditional vegetables, are species that play a vital role in nutrition, health and well being of the social systems. These vegetables not only hold cultural significance but also possess unique nutritional and medicinal properties. They embody the rich biodiversity that, our country has been blessed with, nurtured by generations of farmers who have safeguarded and passed down their knowledge and expertise. However, in recent times, the traditional cultivation and consumption of ethnic vegetables have faced challenges due to changing agricultural practices, market dynamics and shifting dietary patterns. On the other hand gaining importance in revisiting the introduction of traditional vegetables into current production systems to sustain diversity, climate resilience, nutrition and special culinary interest.

In accordance with the recent directive from the Food and Agriculture Organization (FAO) regarding the establishment of a "Global-Hub on Indigenous Food Systems", the potential of indigenous foods to enhance biodiversity and improve food security has garnered global recognition.

Dr. YSR Horticultural University is successful in collection and documentation of the Indigenous vegetable crops of Andhra Pradesh in general and with special focus on tribal areas in particular. To emphasise the significance Dr. YSRHU-CoH, Anantharajupeta has conducted National Conference on "Ethnic Vegetables", witnessed the participation of scientist, students and progressive farmers across the country from various institutions working on ethnic vegetables. Established ethnic vegetable nutrition Garden at CoH, Anantharajupeta and also demonstrating kitchen/nutrition gardening to rural women/youth and farmers in 127 adopted villages by 43 institutes under Dr. YSRHU and distributed vegetable seed kits under "Vice-Chancellor to Village" programme. This has created a great impact among rural and tribal villages for nutritional security.

The overall initiatives and efforts put by the Dr.YSRHU reflect a holistic approach in promoting ethnic vegetables, not only for their nutritional value but also for their cultural and environmental significance. These efforts contributed to food security, biodiversity preservation, and improved nutrition, aligning with global goals for sustainable agriculture and nutrition.

**Dr T.Janakiram**  
**Vice-Chancellor**

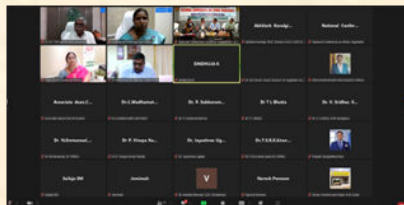
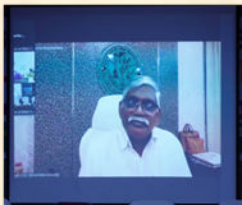


## The Events

### National Conference on Ethnic Vegetables

Dr.YSRHU-College of Horticulture, Anantharajupeta organised two days “National Conference on Ethnic Vegetables” during 27<sup>th</sup>-28<sup>th</sup> May, 2023. Dr.T.Janakiram, Hon’ble Vice-Chancellor, Dr.YSRHU participated as Chief Guest and addressed the participants about the nutritional importance of ethnic vegetables and future scope for strengthening the research and extension activities related to these traditional, underutilized, nutrition rich horticultural crops. Dr.A.S.Padmavathamma, Dean of Horticulture, Dr.YSRHU presided over the function and Dr.L.Naram Naidu, Director of Research, Dr.S.Surya Kumari, Dean of PG Studies, and Dr.B.Srinivasulu, Registrar, Dr.YSRHU were the Guests of Honour for the Programme.

Welcome address was given by Dr.Syed Sadarunnisa, Professor (Hort.), and opening remarks were given by Dr.K.Gopal, Associate Dean, Dr.YSRHU-College of Horticulture, Anantharajupeta during inaugural session. Dr. Ravindra C.Joshi, former Site Coordinator, World Vegetable Center(Solomon Islands) presented the key note address and encouraged the scientists and students to focus on vegetable research specially on ethnic vegetables. Later Book of Abstracts and Souvenir were released by Dr.T.Janakiram, Hon’ble Vice-Chancellor, Dr.YSRHU and other dignitaries virtually. The conference was conducted on five themes. There were three invited lectures on each theme and around 250 presentations were given on all five themes. Awards were given to best Oral and Poster presentations in each theme during the valedictory function. Inauguration of Exhibition and “Ethnic vegetables block” was done by Dr.A.S.Padmavathamma, Dean of Horticulture, Dr.YSRHU” and Dr.B.Srinivasulu, Registrar, Dr.YSRHU during the conference. Recommendations generated out of scholarly deliberations and discussion during the conference paved way to formulate future strategies for conservation and utilization of ethnic vegetables in improving livelihoods of the Indian farmers.



### Exhibition on Ethnic vegetables



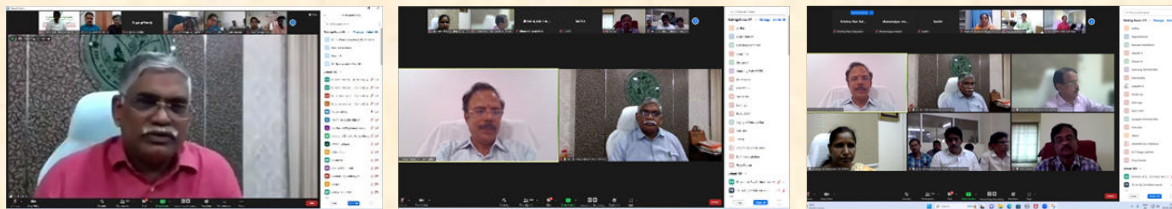
An exhibition was arranged on the occasion of “National Conference on Ethnic Vegetables” on 27-05-2023. Exhibited posters on “Ethnic Vegetable Crops: Eat fresh-Eat Local” “Constraints and Strategies for the Development of Underutilized Vegetable Crops”. New flushes of mango leaves, new flushes of tamarind leaves, moringa leaves, amaranthus, hibiscus leaves, dolichos beans etc. were displayed in the stall. Explained about importance, present constraints and future scope and strategies for development of ethnic vegetables to the delegates, university officers and also visitors on the occasion. Sri Venkaya Naidu, who is a progressive farmer and explored ethnic vegetables and maintaining around 600 number of varieties of ethnic vegetables in his village Kongaravaripalli, Chandragiri (M), Chittoor (dist) was felicitated on this occasion. Pamphlets and posters on the training program and demonstrations conducted in adopted village Y.Kota on nutritional garden and value addition in moringa were displayed in the stall.



## Extension

### ZREAC Meetings

Director of Extension, Dr.YSRHU, conducted ZREAC meetings of Coastal and Rayalaseema zones on 24.05.2023 & 26.05.2023, in virtual mode, under Chairmanship of Hon'ble Vice-Chancellor, Dr.YSRHU, Dr.T. Janikiram & Dr.S.S.Sreedhar, Commissioner, Department of Horticulture, Andhra Pradesh and Co-chairmanship of Dr.E.Karuna Sree, Director of Extension & Dr.L. Naram Naidu, Director of Research, Dr.YSRHU, in presence of all the University Officers. All the scientists of KVKs and Research stations along with officers from Department of Horticulture and Agriculture and farmers participated in the meetings to discuss the prevailing research and extension gaps and action taken for previous year's ZREAC research and extension gaps identified.



### Training Programmes Organized

On 26.05.2023, Dr YSRHU- Krishi Vigyan Kendra, Venkataramanna-gudem conducted a campaign on soil health management and conducted training programme on Nutrient Use Efficiency and SOC Management in relation to improving soil health in the village Narayanapuram, Dwaraka Tirumala mandal as part of ATARIs for Mission LiFE Activities. Dr.M.Raghavendra Reddy Scientist (SS & AC) and Sri G.ShaliRaju, Scientist (Entomology) Dr.YSRHU-KVK, V.R.Gudem organized the programme.



On 22.05.2023, Smt. I.Rajeevana, Scientist (Soil Science&Agril.Chemistry) conducted training programme to farmers on Soil Health Management and Kharif preparedness at ojili village. Explained about deep ploughing, green manure application, nutrient management in kharif crops. Also explained the farmers about soil test based fertilizer management to the horticulture crops. Collected soil samples in the field and sent them to the laboratory. Ojili mandal Agriculture Officer, Vijayalakshmi, Horticulture Scientist Dr. D. Tirupal and farmers participated in the programme.

On 27.05.2023, Sri G.Shaliraju, Scientist (Entomology) and Dr.M.Raghavendra Reddy, Scientist (Soil Science), Dr.YSRHU-KVK, V.R.Gudem conducted training Programme on 'Management of Rugose Spiralling Whitefly (RSW)' at RBK, Narayanapuram and Rallakunta villages of Eluru district and explained about integrated management practices and Bio-control based management strategies for Rugose Spiralling Whitefly and also (RSW) conducted diagnostic field visits in coconut, oilpalm and cocoa crops.





## Training Programmes Participated

On May 29<sup>th</sup>, 2023, Dr.C.Madhumathi, Principal Scientist (H) & Head, CRS Petlur, participated as guest speaker and delivered lecture online on "Acid lime cultivation and value addition" organized by Agricultureinformation.com.



Dr.D.Aparna, Senior Scientist (Hort.) HRS, V.R.Gudem participated as resource person in State Level Conference on Aroma Mission organised by Department of Horticulture at Spandana Hall, Collectorate Office, Ongole on 26.05.2023 and delivered lecture on aromatic plants suitable for cultivation on commercial scale for Prakasam District.

## Awareness Programme

17-05-2023, Dr.YSRHU-Krishi Vigyan Kendra, Pandirimamidi organised health campaign in collaboration with Delta hospitals Rajamahendravaram. Physicians conducted basic diagnostic tests for the physiological parameters related to human health. About 120 residents of Rampachodavaram attended for the campaign.



On 24.05.2023, Dr. B.Srinivasulu, Principal Scientist & Head, Dr. V.Govardhan Rao, Scientist (Plant pathology), Dr.V.Anoosha, Scientist (Entomology) conducted awareness programme on biological control of insect pests and diseases of coconut and demonstrated the Grub release technique and clipping of *Apertochrysa astur* eggs in the whitefly infested coconut fields at Nangavaram village, Uppalagupam mandal, Dr. B.R. Ambedkar Konseema district.

On 24.05.2023 Sri.G.ShaliRaju, Scientist (Entomology) and Dr.M.Raghavendra Reddy, Scientist (Soil Science), Dr.YSRHU-KVK, V.R.Gudem conducted Awareness programme on Management of Rugose Spiralling Whitefly (RSW) in Bayannagudem, Saripalli and Pothavaram villages of Eluru district and explained about Integrated management practices and Bio-control based management strategies of Rugose Spiralling Whitefly (RSW) and also conducted diagnostic field visits in coconut and oilpalm crops.



On 27.05.2023, M. Raghavendra Reddy, Scientist (SS&AC) and Sri.G.ShaliRaju, Scientist (Entomology), Dr YSRHU- KrishiVigyan Kendra, Venkataramannagudem conducted an awareness programme & demonstrated spray using agricultural drone. Also, conducted training programme on "Use of Agricultural Drone for various spraying activities" in the Village Buttayagudem, Dwaraka Tirumala Mandal as part of ATARIs for Mission LiFE Activities.





Dr.YSRHU- KVK, Nellore-2 (Periyavaram) on 26.05.2023 Dr.B.Vijayasree, Scientist (Home Science) attended as Resource Person in the 'Awareness Program on Social Protection Schemes to Tribal families' as part of ' Impacting Rural India through Digital Inclusion' conducted by "Save the Children" Organization at KVK adopted village (Vice-Chancellor to Village) Arimenipadu, Ozili (M), Tirupathi District

and explained the importance of Millets in our regular diet as part of International Year of Millets, nutrition education and preparation of low cost nutritious foods, significance of establishment of household homestead Nutri-gardens for addressing the problem of micro-nutrient deficiencies among women & children, skill development training programs for entrepreneurship development & importance of the children's education. Sri S.V.Paparao, Project supervisor, Save the children, Sri P.Srikanth (Community Facilitator), Sri G.Seenaiah (CAI), Sri K.Paramdhama Raaju (SF), Sri K.Polaiah, Sarpanch, Sri Mallika, Mahila Police, APCNF team, tribal women and farmers participated.

On 26.05.2023, Krishi Vigyan Kendra, Pandirimamidi organised awareness program on "Rain water harvesting and it's efficient use (Catch the rain)" as part of Mission Life. About 20 farmers and women attended the program.



On 27-05-2023, Dr.YSRHU - Krishi Vigyan Kendra, Pandirimamidi conducted week long activities on climate smart agriculture and awareness campaign on the role of technology in enhancing smart agriculture. 25 students from Agricultural Polytechnic, participated in the program.

On 26-05-2023, Dr. M. Harshitha, Scientist (SSAC) conducted awareness programme on Bio fertilizers under Out scaling of Natural farming and provided bio fertilizers to the farmers at KVK, Vonipenta. As a part of this programme scientist interacted with the farmers and explained the uses of biofertilizers (Azospirillum, PSB, T. viride and VAM)which helps in increasing the rhizosphere bio-diversity and helps in converting the unavailable form of nutrients to available form and there by reduces the fertilizer application to the soil.



### Diagnostic visits



Dr. Ch. Ruth, prof (Plant path) and Dr. K.Swarajyalakshmi, Prof (Horti) observed that, application of NPK fertilizers in payaya without moisture resulted in yellowing of leaves in the field of Sri K.Narasimhulu on 25.05.2023, in Y.Kota village. Suggested to provide irrigation facility to the affected plants.



Also observed fruit fly, mite incidence and nutrient deficiency in sweet orange in Lakshmi gardens, Rly.Kodur mandal and suggested control measures.





Dr.L.Ranjit Kumar, Scientist (Ento.) from CRS, Petlur conducted roving survey along with field diagnostic visits on 19-05-2023 in Chintala Atmakur and Dachuru villages of Kaluvayi mandal and observed infestation of citrus snow scales and dry root rot in acid lime orchards and recommended to spray Buprofezin 25% SC @ 1.0 ml /lt. for snow scales and application of FYM (100kg) + Trichoderma (2kg) + Neem cake (10 kg) fermented mixture @ 2-3 kg per tree

for dry root rot management.

On 25.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted a field visit in acid lime at Settivaripalle village in Mydukur mandal. Observed mite infestation and dry root in sweet orange along with fruit drop. Recommended Ethion 50 EC @ 0.05 % + Propargite 57 EC @ 0.057 % or Spiromesifen 240 SC @ 0.39 ml per litre at 15 days interval for mite infestation. For dry root rot infestation, recommended soil drenching of Mancozeb @ 2.0 g / litre + *Trichoderma viride* @ 100 g + Neemcake @ 2.0 kg during June to July and December to January.



On 29.05.2023, Dr. D. Sreedhar, Senior Scientist (Hort) and Dr. Y Sharath Kumar Reddy, Scientist (Pl. Physiology) from Dr. YSRHU- HRS, Anantharajupeta had visited Papaya fields and observed poor fruit setting and flower drop in Railway Kodur. Suggested to follow recommended package of practices and spraying of Urea @ 10g + Zinc sulphate @ 2g + Boron @ 1g per litre at 20 days interval.

On 29.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted diagnostic field visit to acid lime garden at Mittamanupalli village of Brahmamgari Mattam mandal. The scientist observed leaf spot in acid lime and recommended to spray propiconazole @ 1.0 ml / litre + Bavistin @ 1.0 g / litre to control the leaf spot.



On 30.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture) made a diagnostic field visit in banana, at Adireddypalle village in Mydukur Mandal and observed nitrogen deficiency and recommended the farmer to apply Urea @ 4.0 g and MOP @ 4.0 g per plant through drip irrigation to overcome the deficiency symptoms.

On 31 May 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted a diagnostic field visit in acid lime at Venugopalapuram village, Balayapalli mandal, Tirupathi District. Observed thrips infestation as a major problem and suggested spraying of Fipronil @2ml/l or Spinosad @ 0.4 ml/l twice in 14 days intervals. Smt. I. Rajeevana, Scientist (Soil Science), Dr. B. Vijayasree, Scientist (Home Science), Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) from KVK, Periyavaram and farmers were participated.







On 27-05-2023, Sri K.Veeranjaneyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi has conducted diagnostic filed visit to fish pond and observed uneven pond construction, bunds formation and desilting methods. Suggested proper fish pond construction methods and inlets and out lets designs. Further discussed on pre stocking methods.

Dr. P.C. Vengaiyah, Head, KVK participated in the programme.

On 31.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta initiated a Front Line Demonstration on 'Regulation of flowering in acid lime' at Settivaripalle village in Mydukur mandal and in Brahmamgari Mattam mandal. The scientist prepared gibberellic acid solution in the field and made the farmers to spray on acid lime plants. Dr. N. Sri Vidya Rani, Scientist and Head, KVK, Vonipenta also participated.



### Demonstration



On 31 May 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted a Demonstration on "Neemaasthram preparation" under Out-scaling of Natural farming project at Kayyuru village, Balayapalli mandal, Tirupathi District. Smt. I. Rajeevana, Scientist (Soil Science), Dr. B. Vijayasree, Scientist (Home Science), Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) from KVK, Periyavaram

and famers were participated.

Smt. I. Rajeevana, Scientist (SSAC) conducted method demonstration on 'Mass multiplication of biofertilizers' viz., PSB, KSB at venugopalapuram village of Balayapalli mandal on 31.5.2023. Explained the importance of green manure crops and collected soil samples in acid lime garden at various depths.



### FLD



On 19 May 2023, Dr. D. Thirupal, Scientist (Horticulture) and Dr. B. Govinda Rajulu, Principal Scientist (PP) & Head from Dr.YSRHU-KVK, Periyavaram, Venkatagiri distributed the Colocasia seed material (KCS-3 and Bhavapuri) to the beneficiary farmers as a part of Front Line Demonstration (FLD).

On 16.05.2023 and 31.05.2023, Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) visited Groundnut (Nithyharitha and Dheeraj) fields under CFLD Oilseeds Summer 2022-23 at Lingasamudram and Arigepalli villages of Dakkili and Balayapalle mandals of Tirupati Dist. and observed crop is at flowering and pod filling stage. Enlightened beneficiaries regarding prophylactic measures like spraying neem oil for the management of pests and suggested application of gypsum @ 500kg./ha. Dr.M.Nagarjuna Sagar, ADA, Venkatagiri, Smt. Bharathi, Agril. Officer, Dakkili Mandal, Smt. I. Rajeevana, Scientist (Soil Science), Dr.B.Vijayasree, Scientist (Home Science), Dr.D. Thirupal, Scientist (Horticulture) and farmers participated in the programme.





### **Kisan ghosti and field visit:**

On 29-5-2023, Smt. I. Rajeevana, Scientist (Soil Science) conducted Kisan Ghosti with the natural farming farmers at Utlapalli village of Balayapalli mandal regarding nutrient management in acid lime through natural farming methods. Discussed regarding the improvement in organic carbon status through PMDS sowing, followed by field visit to PMDS sown plot. PMDS seed kit containing 31 types of seed material which were sown before monsoon to improve organic carbon status in soil were provided. Dr. D. Thirupal, Scientist (Horticulture) participated in the programme.



### **Fields Visits**

Dr.D.Aparna, Senior Scientist (Hort.) HRS, V.R.Gudem visited Office of National Disaster Rescue Force located at Kondapavuluru village of Gannavaram mandal on 16.5.2023 and suggested suitable garden layouts for raising flowers, medicinal and aromatic plants in the office premises.



On 31.05.2023 Dr.B.Vijayasree, Scientist (Home Science) conducted Field visit to Nutrigarden established by adopting Natural farming methods at Venugopalapuram (Vill), Balayapalli (M) of Tirupathi (Dt.) as part of Mission LiFE Activities and the farmers were suggested to use formulations like Jeevamrith and Ghanajeevamrith as inputs for Nutri-gardens which will control or help in the repulsion of pests and diseases and for

quality improvement in vegetables and fruits. Smt. I. Rajeevana, Scientist (Soil Science), Dr.D.Thirupal, Scientist (Horticulture), Dr.P.Nagarjuna Reddy, Scientist (Agril.Extension), KVK, Periyavaram, and farmers participated in the programme

### **Year of Banana**

#### **Banana Graduate Readiness Programme**

Conducted Banana Graduate Readiness Programme for Agri/ Hort UG students as part of Dr.YSRHU Year of Banana, 2023 at Dr.YSRHU - College of Horticulture, Venkatatamannagudem on 18.05.2023.

On 26.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted a training programme on banana cultivation practices under Year of Banana. SriPratap Reddy, progressive farmer interacted with the banana farmers regarding marketing aspects and also to contact scientists regarding pest and disease management in Banana. Dr. M. Harshitha, Scientist (SS & AC) explained the farmers about nutrient management in banana.



Dr. A. Reshma, Scientist (Plant Physiology), Mr. G. PurnaDattha Reddy, Scientist (Hort.) and Dr. M. Sunil Kumar, Scientist (Plant Pathology) attended the training programme organized at Chinavangali (Village), Chagalamarri (Mandal), Nandyal District by Department of Horticulture on 17-05-2023. Farmers were sensitized about the banana management practices, including bunch management, pest management practices, post-harvest management etc., 45 farmers participated in the training programme.





The staff of Dr.YSRHU – Horticulture Research Station, Kovvur organized One day training programme on “Production Technology on Banana Cultivation and Value Addition” to the field staff of Fertis India Pvt. Ltd on 20-05-2023. Thirty field staff participated in the training programme.

Dr. A. Reshma, Scientist (Plant Physiology), Mr. G. Purna Dattha Reddy, Scientist (Hort.) & Dr. M. Sunil Kumar, Scientist (Plant Pathology) visited banana fields damaged due to heavy winds and rainfall in the villages of Brahmanapalli, Ippatla, Hirozpuram, Chinnakudala, Nallapureddypalle, E.Kothapalli, Chandragiri villages of Pulivendula and Lingala mandals on 23.05.2023 and suggested ameliorative measures.



On 23.05.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta made a diagnostic field visit to banana garden at Adireddypalle village in Mydukur mandal and observed Sigatoka leaf spot in Banana. The Scientist recommended spraying of Propiconazole @ 1.0 ml / litre + Companion @ 2.0 g / litre + Keleol (Mineral Oil) @ 10.0 ml / litre.

On 31.05.2023, Dr. D. Sreedhar, Senior Scientist (Hort) and Dr. Y Sharath Kumar Reddy, Scientist (Pl. Physiology) from Dr. YSRHU- HRS, Anantharajupeta visited Banana fields in Y. Kota mandal and provided awareness on bunch management practices and also on post harvest handling of fruits.



### 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 May, 2023 (3-4 PM).

Date	Topics	Scientist Name
16.05.2023	వేసవిలో తీగ జాతి కారగాయల సాగులో మెళకువలు	Dr.M. Ravindra Babu, Sr. Scientist, HRS, VR Gudem
17.05.2023	చిరుధాన్యాలతో విలువ ఆధారిత ఉత్పత్తులు తయారీ	Dr.B. Kanthi Sri, Scientist, KVK, Vonipenta
18.05.2023	తేనెటీగల పరిశ్రమ స్థాపనకు తీసుకోవలసిన జాగ్రత్తలు	Dr.S.Adarsha, Scientist, KVK, Pandiri-mamidi
19.05.2023	జామతోటల్లో పాటింబవలసిన మేలైన యాజమాన్య పద్ధతులు	Sri.M. Mutyala Naidu Principal Scientist (Hort.) & Head HRS, Darsi
20.05.2023	చీనీ నిమ్మ తోటల్లో సూక్ష్మ ధాతు లోపాలు నివారణ	Dr.R.Nagaraju, Pr. Scientist (Hort.) & Head, CRS, Tirupathi
22.05.2023	అరటి సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr. Firoz Hussain, Scientist, KVK, Vonipenta



23.05.2023	పంటకోత తర్వాత మామిడి తోటలలో చేపట్టవలసిన యాజమాన్య పద్ధతులు	Dr. D.Thirupal, Scientist, KVK, Peri- yavaram
24.05.2023	చింతను ఆశించే చీడపీడలు - వాటి నివారణ	Dr.P.Deepthi, Scientist, HRS, Ananta- puramu
25.05.2023	మునగాకుతో విలువ ఆధారిత ఉత్పత్తులు	Dr. B. Vijayasree, Scientist, KVK, Peri- yavaram
26.05.2023	ఉద్యాన పంటలలో జీవ శిలీంధ్ర నాశినులు ఆవశ్యకత	Dr.T. Nagalakshmi, Sr. Scientist, HRS, VR Gudem
27.05.2023	ఉద్యాన పంటల లో సేంద్రియ ఎరువుల ప్రాముఖ్యత	Dr.M. Raghavendra Reddy, Scientist, KVK, VR Gudem
29.05.2023	అరటిలో వివిధ ధాతు లోపాలు -నివారణ	Dr. G.Ramanandam, Pr. Scientist & Head, HRS, Kovvur
30.05.2023	వెల్లుల్లి ని ఆశించు తెగుళ్ల యాజమాన్యం	Dr. K. Subramanyam, Pr. Scientist & Head, HRS, Mahanandi
31.05.2023	బెండ సాగులో మెళకువలు	Dr.A.Rajini, Sr. Scientist, HRS, Lam

### 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 May Second fortnight, 2023.

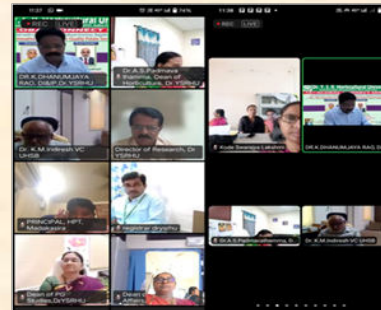
Date	Topics	Scientist Name
19.05.2023	పండ్ల తోటలు కొత్తగా సాగుచేయదలచిన రైతులు పాటించవలసిన సూచనలు	Dr. C. Madhumathi, Principal Scien- tist & Head, CRS, Petlur
22.05.2023	పందిరి కూరగాయల సాగు యాజమాన్య పద్ధతులు	Dr.M.Ravindra Babu, Sr. Scientist, HRS, VR Gudem
26.05.2023	ఫాటీహాస్ లో పూల సాగు మేల్తన యాజమాన్య పద్ధతులు	Dr. P. Lalitha Kameswari Sr. Scientist & Head, KVK, Pandiri- mamidi
29.05.2023	కూరగాయలలో మేల్తన రకాలు ఎంపిక వాటి ప్రాముఖ్యత	Dr.C.Venkata Ramana, Sr. Scientist, HRS, Lam



## Webinars:

### 16<sup>th</sup> Global connect series:

As a part of the Global connect online webinar series, Dr. K.M. Indires, Hon'ble Vice-Chancellor, University of Horticultural Sciences (UHS), Bagalkot participated as the Expert and presented on "ARC (Apical Root Cutting)–New innovative technology for quality Potato Seed production" and interacted with the scientists.



### Radio programmes

On May 12<sup>th</sup>, 2023, Dr. L. Ranjit Kumar, Scientist (Ent), CRS, Petlur delivered a **radio talk** titled "Vesavikalamlu Nimmalo Chepattavalasina Sasyarakshana Cheryalu" on All India Radio, Tirupati and it was broadcasted in Kisanvani programme.

On May 18<sup>th</sup>, 2023, Dr. B. Pratap, Sr.Scientist (Agronomy), CRS, Petlur delivered a **radio talk** titled "Kothaganimma, cheeni thotalu vesukunevaaru paatinchavalasina padhathulu" on All India Radio, Tirupati and it was broadcasted in Kisan vani programme.

On May 31<sup>st</sup>, 2023, Dr.C.Madhumathi, Principal Scientist (H) & Head, CRS, Petlur delivered a **radio talk** titled "Nimmalo poothaniyanthrana, yeruvuala yajamanyam" on All India Radio, Tirupati and it was broadcasted in Kisan vani programme.

On 16.5.2023, Scientists of Dr.YSRHU-HRS, Ambajipeta have given audio recording to All India Radio, Visakhapatnam on "Coconut production and protection technologies".

### TV Programmes

On 23.05.2023, Sri A.Kireeti, Scientist (Horticulture) given television recording to ETV Annadatha programme on the topic "Tholakari varshalalo kobbarilo chepaavalasina cheryalu", Dr.V.Anoosha, Scientist (Entomology) on the topic " Kobbarilo Kommu purugu – Yajananyam".

### General

#### Meetings

Dr.A.Devivaraprasad Reddy, Scientist (Fisheries Science), KrishiVigyan Kendra, DrYSRHU, Venkataramannagudem has participated in District Level Committee meeting organized by the District Collector. Conducted the DLC PMMSY Scheme meeting at Gautami Conference Hall, Collectorate Office, Eluru with all official DLC members & Fisheries Staff on 16.05.2023. Discussed the establishment of domestic market outlets, kiosks, fish transport vehicles, feed mill, bio floc, RAS systems, stocking of fingerlings in reservoirs, cage cultures etc. in the district under PMMSY scheme. Chairman of the committee requested the fisheries department to actively identify and ground the units at the earliest.



Dr.Karunasree, Director of Extension, Dr.YRSHU has also participated along with the scientists of Dr. YSRHU-KVK, Venkataramannagudem in the inauguration of real time reporting and monitoring system by Dr.Udham Singh Gautam, Deputy Director General (Agricultural Extension), Division of Agricultural Extension, in the presence of Dr.Shaik N Meera, Director, ATARI, Zone X, Hyderabad on 20.05.2023. During the interaction highlighted the extension activities, flagship programs carriedout by KVKs working under Dr.YSRHU.





Dr.T.Rajasekharam, Senior Scientist (PP), CRS, Tirupati attended Rythu Barosa-T&V meeting at RARS, Tirupati organized by ATMA, Department of Agriculture and RARS, Tirupati on 17.05.2023.

On 18-05-2023, Sri K.Veeranjaneyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi, participated in Interaction meeting with NASCA, Kak-inada.



Dr.T.Rajasekharam, Senior Scientist (PP), CRS, Tirupati attended Monthly Review Meeting with Project Co-ordinator, ICAR-AICRP on Fruits on 24.03.2023 through virtual mode.



On 31.05.2023, Dr. N. Sri Vidya Rani, Scientist and Head, KVK, Vonipenta and Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted interaction with the farmers on 'Rain water harvesting and package of practices in acid lime' under Mission LiFE activity at B. Mattam village of B.Mattam mandal.

## Publications

**National Conference on Ethnic Vegetables:** College of Horticulture, Anantharajupeta published 'Book of Abstracts and Souvenir' with 45 abstracts and lead papers by the scientists presented during the National Conference on Ethnic Vegetable organized in hybrid mode by Dr. YSRHU on 27<sup>th</sup>& 28<sup>th</sup> May, 2023.

Invited/Lead talk: E. Karuna Sree, B. Srinivasulu, Mayuri & T. Janakiram (2023) "Extension Strategies for Promoting the Cultivation of Ethnic Vegetables to Inculcate Diversity for Sustainable Agriculture" presented during National Conference on Ethnic Vegetables (Hybrid Mode) 27<sup>th</sup> -28<sup>th</sup> May 2023, Souvenir Page No.160.

Invited/Lead talk: Ch.Ruth, K.Gopal, K.Arunodhayam, K.Dinesh, VV Padmaja and K.Swarajyalakshmi (2023) Strategies in integrated disease management in vegetable crops, National Conference on Ethnic Vegetables (Hybrid Mode), 27<sup>th</sup>-28<sup>th</sup> May 2023, Souvenir Page No.160.

Published Research paper "Immature nut fall in coconut and incidence of rugose spiralling whitefly, *Aleurodicus rugioferulatus* martin". Raghuteja P.V., Chalapathi Rao N.B.V., Padma E. and Kireeti A. in *Indian Journal of Entomology*, DoI. No.: 10.55446/IJE.2023.993.

Published Research paper "Integrated management strategies adopted for suppressing invasive rugose spiraling whitefly, *Aleurodicus rugioferulatus* Martin in Andhra Pradesh, India". Chalapathi Rao N. B. V., Neeraja B., Bhagavan B. V. .K. and Reddy R. V. S. K. in IOP Conf. Series: Earth and Environmental Science 1179 (2023) 012002 doi:10.1088/1755-1315/1179/1/012002.



Published Research paper “Toxicity, ovipositional behaviour and electrophysiological response of rice moth *Corcyra cephalonica* (stainton) adults to essential oils” Sowmya M., Bindhu O., Subaharan K., Vinay Kumar T .M., Senthoorraja R., Varshney R. and Chalapathi Rao N.B.V. in *Indian Journal of Entomology*, DoI. No.: 10.55446/IJE.2023.1198.

*Patron:* **Dr T.Janakiram**, Vice-Chancellor  
*Editors:* **Dr.A.S.Padmavathamma**, Dean of Horticulture  
**Dr L. Naram Naidu**, Director of Research  
**Dr B.Srinivasulu**, Registrar  
**Dr E. Karuna Sree**, Director of Extension  
*Sub-Editor* : **Sri K.Ratna Kishore Babu**, Public Relations Officer  
**Dr Y.S.R. Horticultural University**  
**Administrative Office, Venkataramannagudem-534 101,**  
**West Godavari district, Andhra Pradesh**  
Visit our website at <https://drysrhu.ap.gov.in>