



# Dr. YSRHU *e-News letter*

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

Volume.VI, Issue-12

Dr.YSRHU e-Newsletter

16<sup>th</sup> to 31<sup>st</sup> July, 2020



## Fortnight Focus

- Events
- Education
- Research
- Extension
- General

## From Vice-Chancellor's Desk

### New Initiatives

Honoured to assume charge as Vice-Chancellor, Dr.Y.S.R.Horticultural University (Dr.YSRHU), a premier Horticulture University, on 30<sup>th</sup> June, 2020. With the vision of strengthening education, research and extension activities, on the eve of Dr.YSR Rythu Dinotsavam (8<sup>th</sup> July, 2020), Launched "Farmers Advisory Cell (FAC)" at University head quarters, Venkataramannagudem. As a new initiative to reach technologies to the Farmers, Rural Youth and Women, weekly webinars and daily (Monday to Friday) Phone-in programs were organised. Besides disseminating the Dr.YSRHU Production and Protection technologies to Dr.YSR Rythu Bharosa Kendrams (RBKs). Created "Plant Protection Advisory Cell (PPAC)" in Dr.YSRHU. Initiated steps to develop "Millet-Horti" value added products in KVKs under Dr.YSRHU. Top priority is given for location specific problem solving research programmes which would be beneficial to the Farmers of Andhra Pradesh. In continuation to online teaching, initiated online evaluation system in Dr.YSRHU for UG, PG & Ph.D courses and to Diploma in Horticulture. Commenced scientific interactions between ICAR-National Institutes and Dr.YSRHU through webinars. Organised webinars on "Post Covid Banana Cultivation", "కోవిడ్-19 వ్యాప్తి నేపథ్యంలో కుటుంబ ఆరోగ్యం మరియు పోషకాహార విషయములో మహిళ పాత్ర", "Status and Management of Fusarium wilt Race-4 in Banana", Management of Spiralling Whitefly" and "Registration of Germplasm at ICAR-NBPGR Procedures & Guidelines".

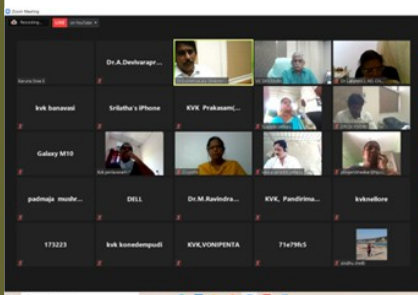
**Dr.T.Janakiram**  
Vice-Chancellor

### ICAR AWARDS to Dr.YSRHU

On 16.07.2020, KVK, Venkataramannagudem received prestigious ICAR award **'Pandit Deen Dayal Upadhyay Krishi Vigyan Rashtriya Protsahan Puraskar-2019'** at Nation level and Mrs. T. Ramana, KVK, V.R.Gudem intervened tribal women farmer received **'Pandit Deendayal Upadhyay Anthyodaya Krishi Puraskar'** at Zonal level for her excellent contribution towards IFS model adoption and also Dr.V.Siva Kumar, Scientist (Hort.) & Head, HRS, Chintapalli received **'ICAR-Fakhruddin Ali Ahmed Award'** for outstanding research in tribal farming systems in collaboration with ICR-IISR during 92<sup>nd</sup> ICAR Foundation day celebrations of ICAR. On this occasion Dr. T. Janakiram, Hon'ble Vice Chancellor has felicitated the tribal women farmer and appreciated KVK team and Scientist, HRS, Chintapalli.



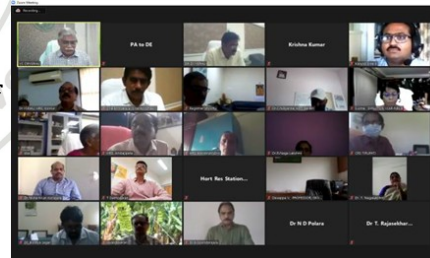
### Webinars



Dr.YSRHU-Farmers Advisory Cell conducted online state level webinar on “కోవిడ్-19 వ్యాప్తి నేపథ్యంలో కుటుంబ ఆరోగ్యం మరియు పోషకాహార విషయములో మహిళ పాత్ర” under the Chairmanship of Dr.T.Janakiram Hon'ble Vice-Chancellor on 21.07.2020. Dr B Srinivasulu, Director of Extension, Dr RVSK Reddy, Director of Research, Dr.J.Lakshmi, Associate Dean, College of Home Science, Guntur, ANGRAU, Dr.E.Karuna sree, Principal Scientist & Head, KVK, V.R.Gudem and

Dr.M.Ravindrababu, Senior Scientist (Hort.), HRS, V.R.Gudem have participated and delivered lectures on different topics and participated in interactions. Dr.B.Srinivasulu, Director of Extension coordinated the pogramme.

Dr.YSRHU – Horticultural Research Station, Kovvur, West Godavari district has organised webinar on “Status and Management of Fusarium wilt Race-4 in Banana” under the chairmanship of Dr.T.Janakiram, Vice-Chancellor. Experts, Dr.N.K.Krishna Kumar, Former DDG (Horti.), ICAR, Dr.S.Uma, Director, ICAR-NRCB, Trichy, Dr.T.Damodaran, Principal Scientist, ICAR-CSSRI, Lucknow have delivered special lectures. Dr.Snehalatha Rani, Scientist (Pl. Pathology), HRS, Kovvur has presented status of Fusarium wilt in Andhra Pradesh. All university officers, scientists of Dr.YSRHU and Directors & scientists of ICAR institutes have participated in interactions. Dr.R.V.S.K.Reddy, Director of Research coordinated the programme.



Organised Webinar on “Management of Spiralling Whitefly” on 30<sup>th</sup> July, 2020 under the chairmanship of Dr.T.Janakiram, Vice-Chancellor as coordinated programme of Dr.YSRHU, Department of Horticulture and IIOPR. Sri Chiranjiv Choudhary, IFS, Commissioner of Horticulture, University Officers & Principal Scientists of Dr.YSRHU, Director & Principal Scientist of IIOPR, Officers of Dept. of Horticulture and farmers have participated in the programme. Dr.R.V.S.K.Reddy, Director of Research coordinated the programme.

gramme.

Organised Webinar on “Registration of Germplasm at ICAR-NBPGR Procedures & Guidelines” on 31<sup>st</sup> July, 2020 under the chairmanship of Dr.T.Janakiram, Vice-Chancellor, Dr.YSRHU. Dr.Veena Gupta, Principal Scientist & Head, ICAR-NBPGR, Dr.Anjali Kak Koul, Principal Scientist, ICAR-NBPGR have explained about Procedure and Guidelines for Registration of Germplasm at ICAR-NBPGR. University officers, Principal Scientists and Professors of Dr.YSRHU have participated in discussions. Dr.R.V.S.K.Reddy, Director of Research coordinated the programme.

### **Plant Protection Advisory Cell**

Created Plant Protection Advisory Cell in Dr.YSR Horticulture University on 16<sup>th</sup> July, 2020.

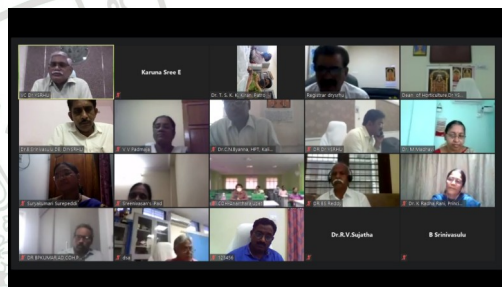
## **Education**

### **18<sup>th</sup> Board of Faculty for UG & PG Studies**

Organised 18<sup>th</sup> Board of Faculty meetings for UG and PG on 27.07.2020 under the chairmanship of Dr.M.Lakshminarayana Reddy, Dean of Horticulture on 28<sup>th</sup> July, 2020. Outside experts Dr.V.Lakshmanan, Professor & Head, HC&RI, Navalur, Kuttapattu, Trichy, Tamil Nadu, Dr.V.B.Patel, Principal Scientist, Division of Fruits & Horticultural Technology, ICAR-IARI, New Delhi, Dr.Ravindra Mulge, Dean, CoH, Halladkeri Farm, Bidar and Dr.A.Manohar Rao, Professor & University Head, Department of Horticulture, College of Agriculture, Rajendranagar, PJTSAU, Hyderabad members of UG & PG Board have participated in the discussions.

### **25<sup>th</sup> Academic Council Meeting**

Organised 25<sup>th</sup> Academic Council Meeting under the chairmanship of Dr.T.Janakiram, Vice-chancellor on 28<sup>th</sup> July, 2020. Twenty five members of academic council consisting of outside Experts Dr.B.Satyanarayana Reddy, Retd. Director of Education, UHS, Bagalkot & Director of Research UAHS, Shivamogga and Dr.S.K.Sarkar, Professor & Head(Fruits), BCKV, Nadia, University Officers, Associate Deans and Professors of Colleges of Horticulture, Principals of Horticultural Polytechnics, Principal Scientists & Heads of Research stations of Dr.YSRHU have participated in the interactions.



## **Research**

### **State Level Technical Programme Meeting**

13<sup>th</sup> State Level Technical Programme (SLTP) meetings on ‘Plant Pathology & Entomology’ of Dr.YSRHU was held from 16<sup>th</sup> - 20<sup>th</sup> July, 2020 through online under the chairmanship of Dr.T.Janakiram, Hon’ble Vice-Chancellor in the presence of Dr.R.V.S.K.Reddy, Director of Research & Univ. Head (Genetics & Plant Breeding), Dr.B.Srinivasulu, Director of Extension & Univ. Head (Plant Pathology), Dr.A.Sujatha, Dean of Student Affairs & Univ. Head (Entomology), Dr.K.Gopal, Registrar and Univ. Head (Plant Physiology, Bio-chemistry & Microbiology). Reviewed the work done during 2019-20 and finalized the technical programmes for 2020-21 by the university heads of Dr.YSRHU. All the scientists from research stations presented the work done during 2019-20 and proposed the technical programme of work for the year 2020-21.

Dr. T. Naga Lakshmi, Scientist (Pl. Pathology) and Scientists of HRS, Anantharajupeta received several phone calls and WhatsApp images from different villages of Kodurdivision on severe fruitfly damage in papaya fields. For the benefit of the farmers, demonstrated the preparation of lowcost Methyl Eugenol fruit fly traps and installed in farmers field of Y Kota village which was found very effective. Fruit fly damage was also observed in various guava orchards.



## Extension

### Training Programmes

Dr. R. Nagaraju, Principal Scientist (Horticulture) & Head, HRS, Anantharajupeta delivered a lecture on “Mango rejuvenation” as a resource person to the village Horticultural Assistants, MPEO’s and Farmers of YSR Kadapa district attended through RaituBharosaKendras (33 RBKs) on Zoom webinar organized by Department of Horticulture on 31-07-2020. Deputy Director of Horticulture. Assistant Director and Horticultural Officers of YSR Kadapa district were also present and discussed on various aspects with regard to Mango cultivation.



On 25.07.2020, KVK, Vonipenta conducted on campus training programme on “Importance of soil health management” at KVK, Vonipenta. Dr. V. Nagarjuna, Research Associate, (Soil Science) explained the fertilizer application based on soil test based results and distributed soil health cards to the farmers.

Dr.K.Ravindra Kumar, Scientist (Hort.), HRS, Kovvur participated as a resource person in online training programme on 29th July, 2020 organized by Department of Horticulture, East Godavari, A.P. and delivered a lecture on "Cultivation of chrysanthemum and other flowers in naturally ventilated polyhouse". Interacted with East Godavari polyhouse farmers and cleared their doubts with respect to cultivation of flowers.

On 30.07.2020, Dr.B.Vijayasree, Research associate (Home Science), KVK, Periyavaram visited Mogallagunta village and conducted a program on ‘Awareness creation and Demonstration on Herbal drinks’ for Promotion of Herbal drinks as immunity boosters for rural farm women. The women were enlightened on significance of herbal drinks for development of immunity which fights against all kinds of viral and seasonal diseases. Preparation of herbal drink was also demonstrated. In this programme Dr.P.Avani Research Associate (Horticulture) SHG (self help group) women, VOA (Village Organization Assistant) G.Sujatha and SERP Community coordinator Mr.G.Venkateswarlu participated.



On 28.07.2020, Ms. Y. Swarupa, Research associate (Ento.), Dr. P. Avani, Research associate (Hort.), KVK, Periyavaram visited Dry root rot infected Acid lime orchards at Chaganam and Sydapuram villages as part of FLD programme. At Chaganam village, training programme on “IPM & IDM in acid lime” was conducted. Identified dry root rot as the major problem in acid lime orchards of Sydapuram (Mandal), enlightened the farmers regarding crop management practices *i.e* drenching with Carbendazim(1g/l/sq.mt area) followed by application of 10kg of *T. viride* mixture/plant (1 kg of *T.viride* + 100 kg FYM + Neem cake 10kg) for effective management of dry root rot. Later a demonstration on preparation of *T. viride* mixture was conducted. *T. viride* was distributed to the farmer as a part of FLD Programme.



On 22.07.2020, Dr. V. Yugandhar, Research Associate (Hort.), KVK, Vonipenta conducted off campus training programme on “Integrated crop management in Turmeric” at Settivari Palli Village of Mydukur mandal. Explained about Seed treatment, varieties, raised bed system of cultivation, fertilizer and water management, pest and disease management and other cultural practices to be followed for getting good quality higher rhizome

yield in turmeric.

### Field Visit

On 28.07.2020, Dr. P. Avani, Research associate (Hort.) and Ms. Y. Swarupa, Research associate (Ento.), KVK, Periyavaram visited acid lime orchards at Chaganam village as a part of “Thota Badi” programme conducted by Department of Horticulture Sri E.Anand (Horticulture Officer) and Sri K. Pradeep Kumar (Assistant Director of Horticulture, Nellore). Dr. P. Avani, Research Associate (Hort.) created awareness and procedure of training and pruning in acid lime.



On 24.07.2020, Dr.E. Karuna Sree, Principal Scientist & Head and Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, V.R.Gudem visited the kitchen gardens maintained at Tadepaligudem and suggested the best management practices for growing vegetables in containers and also advised to incorporate the fish culture to existing vegetables cultivation for nutritional security and income generation.

### On Farm Trial

On 27.07.2020, Sri.P Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi visited paddy fields at Bandapalli, I.Polavaram and Thallapalem villages of Rampachodavaram mandal. Monitored scheduled foliar application of Organic Liquid Nutrients (NOVEL) @0.5% at nursery stage (one week after sowing) in Paddy as part of on-farm trial on "Assessment of Novel Organic Liquid Nutrients in Paddy".



On 20.07.2020, Dr. V.Yugandhar, Research Associate (Hort.), KVK, Vonipenta conducted followup visit to guava fields at Paluguralla palle village of B.Matam mandal under IIHR- SC Subplan. Scientist explained about method of planting of new guava grafts in field and precautions to be taken during planting and also demonstrated planting of new guava grafts in the field.

### Diagnostic Visits

On 20.07.2020, Dr.V. Yugandhar, Research Associate (Hort.) from Krishi Vigyan Kendra, Vonipenta had visited guava gardens for diagnosis of pests and diseases at Thotlapalli village of B.Matam mandal and explained about pruning techniques and fertilizer management in guava.



On 27.07.2020, Sri. G. Sandeep Naik, Scientist (Pl Path) & Head, Krishi Vigyan Kendra, Vonipenta visited pomegranate field for diagnosis of pests and diseases at Nagasanipalli village of Khajipeta mandal. Observed bacterial spots on pomegranate fruit and suggested to spray Streptocyclin @ 0.5g + Copper oxy chloride @ 3g/l.

On 28.07.2020, Sri. G. Sandeep Naik, Scientist (Pl. Path.) & Head, KVK, Vonipenta visited banana and groundnut fields for diagnosis of pests and diseases at Madirepalli village of Duvvuru mandal. Observed potassium deficiency in banana and iron deficiency in groundnut and suggested to spray potassium nitrate @ 5g and Ferrous sulphate @ 2g/l respectively.



On 29.07.2020, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited onion fields for diagnosis of pests and diseases at Machugaripalli and Mittamanupalli villages of Mydukur mandal. Identified damping off and suggested soil drenching with Copper oxy-chloride (COC) @ 3 g/l for controlling the disease.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK V.R.Gudem diagnosed the fish sample brought by the farmer mentioned the fish mortality on 21.07.2020. Pond history was asked and preliminary diagnosis was done and found that the mortality was due to the fluctuations in weather and over stocking density. Suggested to reduce the stocking density and application of salt and lime in the pond.



**Meetings**

Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) & Head, Dr. N.B.V.Chalapathi Rao, Principal Scientist (Ent.), Smt. B. Neeraja, Scientist (Pl. Path.) and Sri. A. Kireeti, Research Associate (Hort.), HRS, Ambajipeta participated in a rehearsal meeting of AGM presentations conducted on 30.07.2020 at 11 am to 2 pm through Google meet app and presented the workdone reports of the AICRP (Palms) experiments.

From 23.07.2020 to 25.07.2020, Dr.B.Srinivasulu, Director of Extension and all the Heads of KVKs of Dr.YSRHU participated in Virtual Annual Zonal Work shop of KVK's under ICAR- ATARI, Zone-X, Hyderabad. All the Heads of KVKs presented work done report during the year 2019-20. KVK, V.R.Gudem received 7 Appreciation Awards in the category of Best Website, Fact Sheet, Newsletter, Photographs, Videos, Publications, Project : CFLD (Pulses), KVK, Pandirimamidi received 2 in the category of Best news letter, Best photographs, KVK, Periyavaram received 2 in the category of Best Program: Swachhata Seva & Emerging KVK and KVK, Vonipenta received the award in Emerging KVK from ICAR- ATARI, Zone- X, Hyderabad for the year 2019-20.

**HRD**

From 21.07.2020 to 22.07.2020, Sri.G.Sandeep Naik, Scientist (Pl. Path.) & Head, KVK, Vonipenta participated in virtual two days training programme on 'Integrated Pest Management for Maize Crop with special reference to Fall Army Worm (FAW)' organized by FAO, ICAR-IIMR, ICAR-NBAIR and DDPQ&S.

On 29.07.2020, Sri.G.Sandeep Naik, Scientist (Pl. Path.) & Head, KVK, Vonipenta participated in webinar on 'Integrated Disease management in Banana' organized by ICAR- National Research centre for Banana, Thiruchirapalli under the chairmanship of Dr. S. Uma, Director, ICAR- NRCB. During the programme panelists explained about the fungal, bacterial and viral diseases and their management in banana.

Dr.R.Naga Lakshmi Senior Scientist (Hort.) participated and completed Five day online workshop on "Modern Methodologies in Statistical Data Analysis for Effective Agricultural Research" held during 13 - 17 July, 2020 organized by College of Agriculture, UAS, Raichur, Karnataka under ICAR-NAHEP (IG) project.

**Phone-in programs under Farmers Advisory Cell of Dr.YSRHU**

Dr.YSRHU-Farmers Advisory Cell organized the following Phone-in programs daily (Mon to Fri, 3PM to 4PM).

20.07.2020	Production & Protection Technologies for <i>Kharif</i> Vegetables Dr.E.Karunasree, Principal Scientist & Head Dr. K. Vekata Subbiah, Scientist (Hort.) & Sri. G. Shali Raju Scientist (Pl. Path.), KVK, V.R.Gudem
25.07.2020	చేపలు మరియు రొయ్యల పెంపకంలో మేలైన యాజమాన్య పద్ధతులు డా॥ఎ.దేవివరప్రసాద్ రెడ్డి, శాస్త్రవేత్త (చేపల విభాగం),కృషి విజ్ఞాన కేంద్రం,వెంకటరామన్నగూడెం

27.07.2020	వర్షా కాలంలో పూల తోటల పెంపకంలో మెళకువలు డా॥పి.లలిత కామేశ్వరి, సీనియర్ శాస్త్రవేత్త & హెడ్, కృషి విజ్ఞాన కేంద్రం, పందిరిమామిడి
28.07.2020	అరటి సాగులో చీడపీడలు - యాజమాన్య పద్ధతులు డా॥జి.నందీప్ నాయక్, శాస్త్రవేత్త & హెడ్, కృషి విజ్ఞాన కేంద్రం, వానిపెంట
29.07.2020	నిమ్మచీనీ తోటల్లో - సమగ్ర యాజమాన్య పద్ధతులు డా॥బి.గోవింద రాజులు, ప్రధాన శాస్త్రవేత్త & హెడ్, కృషి విజ్ఞాన కేంద్రం, పెరియవరం
30.07.2020	వర్షాకాలంలో పెరటి కోళ్ళ పెంపకంలో పాటించవలసిన మెళకువలు డా॥టి.విజయ నిర్మల, శాస్త్రవేత్త (పశు విభాగం), కృషి విజ్ఞాన కేంద్రం, వెంకటరామన్నగూడెం
31.07.2020	గ్రామీణ ప్రాంతాల్లో మహిళలు మరియు పిల్లలలో పోషకాహార సమస్యలు - నివారణ డా॥బి.విజయశ్రీ, రీసెర్చ్ అసోసియేట్ (హెామ్ సైన్స్), కృషి విజ్ఞాన కేంద్రం, పెరియవరం

### Phone-in-live programmes

Dr.C.Sarada, Principal Scientist (Hort.), HRS, Lam has attended Phone-in-Live programme on 'Mirapalo Melyna yajamanya padhathulu' at Doordarshan Kendra, Vijayawada on 27.07.2020.

### Publications

J. Suresh Kumar, S. Sunitha, J. Sreekumar M. Nedunchezhiyan , K. Mamatha , Biswajith Das , S. Sen-gupta , P.R. Kamalkumaran , SurajitMitra , JayantaTarafdar , V. Damodaran , R.S. Singh , Ashish Narayan , Rabindra Prasad , PradnyaGudadhe , Ravinder Singh, K. Desai and B. Srikanth.2020 . Inte-grated weed management in elephant foot yam. Indian Journal of Weed Science 52(1): 69-73, 2020

### Superannuation

Dr.D.Manohar Prasad, Principal Scientist (Hort.) & Head, HRS, Pandirimamidi retired on 31.07.2020 on attaining superannuation. Staff of HRS & KVK, Pandirimamidi felicitated him on this occasion.

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Published by: **Dr.T.Janakiram**, Vice-Chancellor

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