



# Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-31 January 2022



## From Vice-Chancellor's Desk

### Dr.YSRHU GLOBAL CONNECT SERIES

Dr YSR Horticultural University (Dr.YSRHU) under new initiative organizing Global Connect Series (virtual mode) for the benefit of faculty and students. Global Connect Series facilitates knowledge sharing, mentoring students & faculty and collaboration.

Dr.YSRHU in collaboration with West Virginia State University, USA has organized Scientific lecture on "Genomics and Biotechnology Research for Horticulture" by Dr.K.Umesh Reddy, Professor of Biology, West Virginia State University, USA.

The eminent scientists from OGTR, Australian Federal Department of Health, Australia Dr.Peter Thygesen, Principal Regulatory Scientist and Dr.Appaji Srungaram, Assistant Director have delivered lectures on "Gene Technology Regulation in Australia" and interacted with students & faculty.

The future lecture series will include Sensor Technology, Artificial Intelligence, Nano Technology and Robotics .

**KNOWLEDGE IS THE POWER, MUCH MORE POWERFUL WHEN IT'S SHARED**

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



## The Events

### Republic Day Celebrations

Republic Day was celebrated at Dr.Y.S.R. Horticultural University Campus, all the constituent & affiliated colleges and polytechnics, Research Stations and KVKs on 26 January 2022. Dr.T.Janakiram, Vice-Chancellor hoisted the National flag at administrative office in the presence of University Officers, staff and students. Vice-Chancellor has given Republic Day message on this occasion and stressed all to rededicate themselves to the development of the nation.



### Global Connect Series

Dr.YSRHU Global Connect Series in collaboration with Office of the Gene Technology Regulatory (OGTR), Australian Federal Department of Health organized webinar on "GENE TECHNOLOGY REGULATION IN AUSTRALIA" under the chairmanship of Dr. T. Janakiram, Hon'ble Vice-chancellor on 22 January 2022. Dr. Appaji srungaram Assistant Director, OGTR and Dr.Peter Thygesen, Principal Regulatory Scientist, OGTR, Australian Federal Department of Health, Australia have made presentations on gene Technology Regulation in Australia. All university officers, scientists / teachers and students of Dr.YSRHU has participated. Dr.K.Dhanumjayarao, DIIP, Dr.YSRHU co-ordinate the programme.





## MoU

Dr.YSRHU has entered in to MoU with Agri Bio-tech Pvt. Ltd. On 22 January 2022 in the presence of Dr.T.Janakiram, Vice-Chancellor and University Officers of Dr.YSRHU and Dr.D.Vishnuvardhan Reddy, Director, Agri Bio-tech Pvt. Ltd., Hyderabad. Dr.K.Dhanumjayarao, Director of Industrial & International Programmes, Dr.YSRHU co-ordinated the programme.



## Education

### Installation of B.P.Pal statue

Dr. DVS Raju, Principal Scientist, DFR Regional Station, Kadium, visited campus on 20-01-22 as committee member and committee drafted on installation of Dr. B.P. Pal statue at COH Venkataramannagudem. The committee visited the proposed rosary spot and submitted recommendations on the subject.



### Awareness programmes under ICAR-SCSP



Principal Investigator of SCSP Dr. M. Kalpana, Professor (Horticulture) organised awareness programme on “Production technology of cashew” and released pamphlets and a booklet on cashew, distributed farm tools and cashew grafts to farmers under SCSP on Cashew area expansion and rejuvenation at Prakasharaopalem village on 24-01-22 under the chairmanship of Dr. M. Madhavi, Associate Dean. Dr K. Uma Jyothi, Dean of PG studies participated as chief guest of the programme.

## Research

Dr. L. Ranjith Kumar, Scientist (Entomology), CRS, Petlur, surveyed the acid lime orchards of Balayapalli and Gudur Mandals on 21-01-2022 and observed that, gardens of kayyuru, Kamakuru, and Alimili villages of balayapalli mandal and Ayyavaripalem, Golapalle and Kandra villages of Gudur mandals were infested with Psylla, leaf miner and Green mites, where the incidence was found to be low to moderate .The farmers were suggested to spray Novaluron 10 % EC @ 0.75 ml/lit for psylla, Thiamthoxam 25 WDG @ 0.3 g/lit for leaf miner and Propargite 57% EC @ 1.0 ml/lit for mite control.



On 25.01.2022, Dr. V. Govardhan Rao, Scientist (Pl.Path) and Dr. G. Koteswara Rao, RA, (Hort.) attend to field visit at adopted village Mamidikuduru and Pasarlapudi villages as a part of VC to Village programme to select the beneficiary farmers for promoting Cocoa as inter crop in Coconut under SC-Sub Plan programme



## Extension Activities

### Vice-Chancellor to Village Activities

On 29<sup>th</sup> January, 2022, Dr.G.Ramanandam, PS (Hort.) & Head and Dr.K.Ravindra Kumar, Senior Scientist (Hort.), HRS, Kovvur participated in VC to Village programme at Penakalmetta village. Noticed the Bacterial rhizome rot, Potash and micro nutrient deficiencies in Tissue culture Tella Chakkerakeli and Grand naine plants. Interacted with the farmers and advised the nutrient management and disease management to be taken up for good growth and yield of crops.

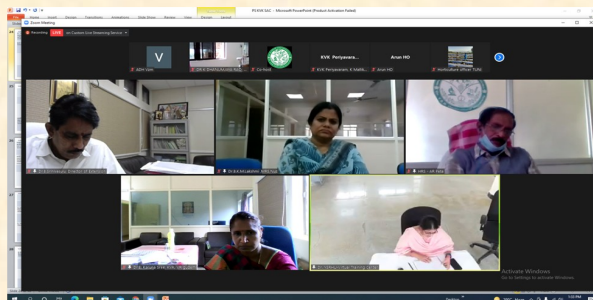


On 22-01-2022, Dr. N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi has conducted Grama sabha and visited citrus orchards at adopted village, Thimmapuram, Addateegala mandal as a part of VC to village programme and Dr.YSRHU year of citrus and created awareness on pest and disease management in citrus. In this programme, N. Divya Kumar, ADA, A.Sadguru Murthy, Agriculture Officer, Addateegala, Darapu Reddy Ganga, Mandal Agri. Advisory Chairman, Fakir, MPTC, VAAs, VHAs, Sachivalayam staff and 23 farmers have participated.

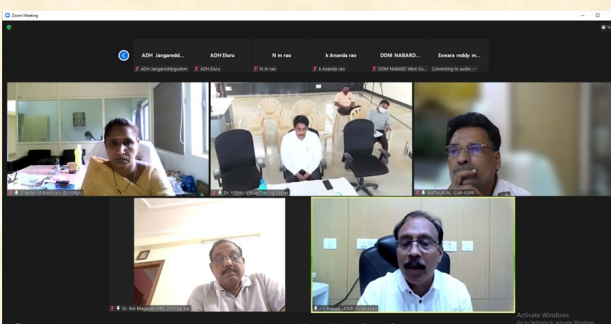


### Webinar

Online state level webinar on “మామిడి సాగులో మెళకువలు” was organized in co-ordination with MRS, Nuzvid and HRS, Anantharajupeta on 28<sup>th</sup> January, 2022 under the chairmanship of Dr.T.Janakiram, Vice-Chancellor.



### Scientific Advisory Committee (SAC) meeting



On 29 January 2022, the Scientific Advisory Committee (SAC) meeting of KVK, Venkataramannagudem was conducted under the chairmanship of Dr. B. Srinivasulu, Director of Extension. Dr. E KarunaSree, Principal Scientist & Head along with Scientists, Dr. K. VenkataSubbaiah, Dr. V. Deepthi, Dr. T. VijayaNirmala Dr. A. Devi vara Prasad Reddy, KVK Venkataramannagudem and Sri J. Venkata Sateesh SMS (DAMU) has presented the workdone for the year 2021-22 and proposed action plan for 2022-23. Dr. R.V.S.K. Reddy Director of Research, Dr. J.V. Prasad, Director ATARI, Hyderabad Dr. A.K. Mathur, Director IIOPR, Pedavegi ,Dr. B.V.K. Bhagawan, Zonal Research Head, Coastal Zone-1, Dr. M.V. Prasad, PS, (Extn), IIOPR, All the District line Departments Heads of West Godavari district, progressive farmes, NGO representative and Women interacted and suggested the action points for the coming year as SAC Members.



## Our University – Our Organic Village

On 21.01.2022, KVK, Pandirimamidi has conducted a programme on “Our University – Our Organic Village” at Kakawada village of Rampachodavaram mandal. Hon’ble Vice-Chancellor Dr.T.Janakiram, Dr.YSRHU & Dr.B.Srinivasulu, Director of Extension attended as chief guests and addressed the farming community about scope and importance of organic farming and its certification. They declared the village as organic village and also issued the PGS-India Organic Green Certificate to 20 Organic farmers registered under PKVY project. As part of this programme, Krishi Vigyan Kendra, Pandirimamidi has provided cashew processing machines to PKVY farmers in order to make them as small scale entrepreneurs and to link up their organic products to marketing with organic branding so as to see it as the final out-come in the PKVY project. In this programme KVK staff and 89 farmers have attended.



## Method Demonstrations

On 25.01.2022, Dr. V. Nagarjuna, Research Associate (Soil Science), Dr.SrividyaRani.N, Scientist &Head, Ms. K. Prasadindu, Research Associate (Plant Protection) and Dr. V. Yugandhar, Research Associate (Horticulture) from Krishi Vigyan Kendra, Vonipenta conducted the method demonstration on seed treatment in sesame under CFLD programme at KVK, Vonipenta. The scientist explained the importance of seed treatment with Imidacloprid @ 5 ml /kg seed to control the insect damage up to 20 days after emergence.



## ICAR- SC Subplan

On 17.01.2022, Dr. S. Lavanya, Research Associate (Livestock production) and Dr. V. Nagarjuna, Research Associate (Soil Science) from Krishi Vigyan Kendra, Vonipenta visited Black Bengal Goats given under ICAR-SC Subplan- 2021 at Machugaripalli village of Mydukur mandal. Dr. S. Lavanya interacted with farmers and explained an overview on Feeding, Housing management of goat and general management practices.



From 21 to 22 January 2022, Dr. S. Lavanya, Research Associate (Livestock production) and Dr. V. Nagarjuna, Research Associate (Soil Science)KVK, Vonipenta provided Goat Mineral mixture to Machugaripalli and Mudiredypallithanda village farmers under ICAR- SC Subplan- 2021. Dr. S. Lavanya, explained that goats have specific mineral requirements which is quite different from the large ruminants. So, this commercial mineral mixture comprising the essential minerals for better growth and immunity. And also results in Higher meat yield, more profit, better weight gain, low mortality and higher immune status in animals supplemented with mineral mixture.



## Front Line Demonstrations

On 19 January 2022, Dr. K. VenkataSubbaiah, Scientist (Horticulture), went to jeelugumilli to monitor and diagnose the OFT and FLD in chilli and tomato crops . The crop was in fruiting stage and also suggested suitable remedial measures for control of sucking pest.



On 19 January 2022, Dr. K. VenkataSubbaiah, Scientist (Horticulture), went to Vankavarigudem for conducting demonstration on cashew i.e., critical inputs spray like neem oil@ 5lit per lit of water. And also suggested to spray 13-0-45 @10g per lit of water for good flowering and better yields as a part of Front Line Demonstration under TSP for the year 2021-22.

On 19 January 2022, Dr. K. Venkata Subbaiah, Scientist (Horticulture), KVK, Venkataramannagudem went to Datlavarigudem to participate in oil palm bunch harvesting in FLD fields on “Fertigation Schedule in Oil Palm “and also suggested regular schedule for application of fertilizers through drip.



On 27 January 2022, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram conducted follow-up visit to chilli field at Chilamanuru village of Balayapalli mandal under FLD on “Demonstration of Integrated Crop Management Practices in Chilli”. Enlightened farmers regarding ICM practices in chilli and distributed Arka Vegetable Special, blue sticky traps and yellow sticky traps to selected beneficiary farmer. Later demonstrated installation of sticky traps to control sucking pests and foliar spraying of Arka Vegetable Special @3g/l.

Later demonstrated installation of sticky traps to control sucking pests and foliar spraying of Arka Vegetable Special @3g/l.

On 24 January 2022, Dr. S. Adarsha Scientist (Entomology) and Dr.N Chiranjeevi Research associate (Plant Pathology), KVK, Pandirimamidi conducted follow up visit to Demonstration of Blackgram var. GBG 1 fields under CFLD 2021-22 at Koti village of Korukonda mandal. Crop is at flowering stage. Observed leaf folder and maruca infestation Recommended to spraying Spinosad@0.25ml/l or Chlorantraniliprole @0.3ml/l. Provided critical inputs like Pulse wonder @2kg/acre to spray at peak flowering stage for yield improvement. 12 farmers have participated the visit.





On 21 January 2022, Dr. N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi has conducted FLD on Introduction of Osmanabadi goat in agency area under TSP-2021. As a part of FLD, Honble Vice Chancellor Dr. T. Janakiram, Dr.YSRHU and Dr. B. Srinivasulu, Director of Extension and Dr. P. Lalitha Kameswari, Principal Scientist and Head, Krishi Vigyan Kendra, Pandirimamidi distributed two units of Osmanabadi goats to beneficiary farmers from Kakavada village of Rampachodavaram mandal.



On 22 January 2022, Dr. N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi has conducted follow-up visit to banana orchards under FLD on Integrated pest and disease management in banana (TSP -2021-22) at Thimmapuram village of Addateegala mandal and distributed *Pseudomonas* talc based formulation to the beneficiary farmers. Also observed *Erwinia* Rhizome rot in the orchards and recommended suitable

management practices to the farmers.

On 28 January 2022, KVK, Pandirimamidi has initiated CFLD on Groundnut var.Kadiri Chitravathi under NFSM -CFLDs-Oilseeds – 2021-22 at Pydiputta and Komaravaram villages of Y.Ramavaram mandal. As part of this programme, farmers were provided with critical inputs like seed of var.Kadiri Chitravathi on cluster basis. In this programme VAAs, VHAs and 20 farmers have attended. Dr.P.Lalitha Kameswari, Principal Scientist & Head and Sri P.Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi coordinated this programme.



On 19 January 2022, Ms. K.Prasindhu, Research Associate (Plant Pathology) and Dr. V. Yugandhar R.A. (Horticulture), KVK, Vonipenta conducted follow up visit to FLD “Demonstration on multiple disease resistant hybrid ArkaAbhed in tomato” at Kothapalli village of B.Matam mandal. During the visit scientists explained about pest and disease management at flowering stage of crop growth.

On 20 January 2022, Dr. V. Yugandhar, Research Associate (Horticulture) and Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta visited Tomato fields for follow up under FLD at Lingaladinne village of B.Mattam mandal. During the visit, scientist explained about getting higher yields and quality fruits with foliar spraying of Vegetable special @ 5g/l of water at 45,60,75 DAT on tomato plants.





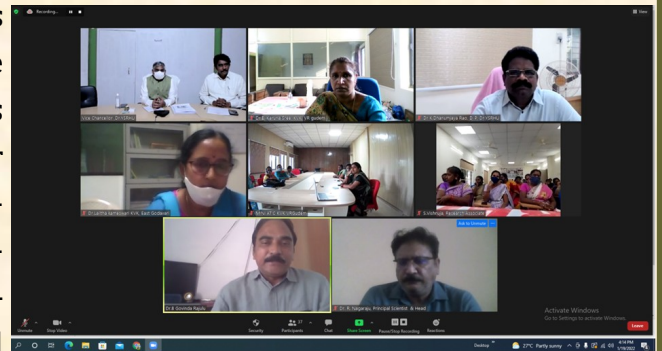
On 25.01.2022, Dr.SrividyaRani.N, Scientist &Head, Ms. K. Prasindhu, Research Associate (Plant Protection), Dr. V. Yugandhar, Research Associate (Horticulture) and Dr. V. Nagarjuna, Research Associate (Soil Science) from Krishi Vigyan Kendra, Vonipenta, initiated Cluster Front line demonstration Project in Sesamum.Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr.Srividya Rani.N, Scientist and Head interacted with farmers regarding introduction of sesamum variety YLM-66 which is resistant to phyllody and provided Sesamum variety YLM-66 to Somiredypalli farmers.



At CRS, Bapatla performance of Crossandra variety Arka Chenna brought from ICAR-IIHR, Bangalore is performing well under farmers field at Kavurivaripalem and Bethapudi village. The consumers preferred the flowers of this variety first in the market than other varieties, and fetching higher.

### Interaction Meets

On 19.01.2022 KVK, Venkataramannagudem has conducted Interaction meeting of trainees who have participated in the skill trainings conducted by KVKs during the year 2021 and celebrated the one year successful completion of Processing and skill training Centre at KVK, Dr. YSRHU Campus, Venkataramannagudem. Dr. T. Janakiram, Hon'ble Vice-chancellor participated as chief guest and interacted



with the successful skill trainees of Dr, YSRHU who has turned into Entrepreneurs Dr.B. Srinivasulu Director of Extension and Dr. E. KarunaSree Principal Scientist and Head, KVK, VR Gudem, Dr. P. LalithaKameswari Principal Scientist and Head, KVK, Pandirimamidi, Dr. T. Nagaraju Principal Scientist and Head Citrus Research Station, Tirupati along with the skill training participants from their respective centers participated and presented the success stories.



On 27 January 2022, Dr. E. KarunaSree Principal Scientist and Head and Dr. K. VenkataSubbaiah Scientist (Hort), KVK, Venkataramannagudem conducted focused group discussion with the women group from Datalvarigudem village trained under Attracting and Retaining Youth in Agriculture (ARYA) project of KVK and distributed processing machinery i.e. Tray drier, Fruit crusher to ARYA Group to use for the processing of mango and cashew apple under the control of Jeelugumilli Cashew FPO Ltd. Jeelugumilli, West Godavari Centre district.



## Training programmes

Dr .B K.M.Lakahmi Principal Scientist & Head ,MRS ,Nuzvid Conducted Training program along with Sri Chandrasekar ,H O. on 19-01-2022, at Mallavalli Village of Hanumanjunction Division to the Mango growers on Pest and disease management during flowering of Mango and Suggested the measures to be taken for the management of anthracnose and sucking pest complex .



KVK venkataramannagudem conducted training on “Importance of Nutri-gardens” in Singarajupalem village of NallajerlaMandal on 18.1.2022.and distributed the vegetable seed kits for 25 families for raising kitchen gardens in backyards This programme was conducted by Dr.E.KarunaSree, Principal Scientist and Head and Dr.V.Deepthi, Scientist (Agricultural Extension), KVK, Venkataramanna-

gudem.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has participated as Resource person for the training programme on “Captive Rearing of Fish seed” on 22.01.22 at RythuBarosa Kendra (RBK), Bhimalu Village, Gopalapuram Mandal organised by the Dept. of Fisheries, Kovvur Division, West Godavari District.



On 20 January 2022, Dr.B.GovindaRajulu, Principal scientist and Head &Dr.B.Vijayasree, Research Associate (Home Science) as part of Special Nutritional drive in Tribal habitations of SPSR Nellore district during COVID -19 Pandemic distributed nutritional plants (Moringa - PKM -1) in ST habitations, Mallamgunta ST colony and Rapur ST colony of Rapur mandal in

SPSR Nellore district. Dr.B.Vijayasree created awareness to tribal women on significance of moringa leaves which are loaded with strong immune boosting phyto nutrients that strengthens the immune system and enables to fight with infections and it is rich in vit A,C & iron that reduces mal nutrition among women and children. In this program RDO Hussain Saheb, MRO Padma, ICDS - CDPO, Rapur Shamshad begum, Ramki Foundation Madhubabu and local public representatives have participated.



On 28 January 2022, Dr.B.Vijayasree, Research Associate (Home Science), KVK, Periyavaram as part of Special Nutritional drive in ST habitations of SPSR Nellore district during COVID -19 Pandemic distributed nutritional plants (Moringa - PKM -1) in Tribal habitations M.S.Colony and Saidapuram ST colony of Saidapuram-mandal in SPSR Nellore district to reduce the incidence of anaemia and mal nutrition among pregnant women and children. Dr.B.Vijayasree acknowledged tribal women on importance of Moringa leaf and its value added products which are rich in anti-oxidants, Vit A,C, iron, Calcium, aminoacids and boost immune system. In this program ICDS - CDPO, Saidapuram SK. Shamshad begum, MPDO office team EO-RD, AEE RWS, PHC Doctor Shiny and Anganwadi team have participated.



On 29 January 2022 Dr.B.Vijayasree, Research Associate (Home Science), KVK, Periyavaram conducted "Assessment of Moringa based Millet biscuits in improving the nutritional status of Vulnerable groups at KVK, Periyavaram, Venkatagiri, SPSR Nellore district. Dr.B.Govinda Rajulu, Head, KVK enlightened women on promotion of organic cultivation of nutrigardens.

Dr.B.Vijayasree acknowledged SHG women on the nutritional importance of Moringa and its significance in combating nutritional deficiencies in women and children and demonstrated preparation of Moringa based Millet biscuits. In this program MEPMA team, Resource Persons of MEPMA and SHG women have participated.

From 27 to 28 January 2022, KVK, Pandirimamidi has conducted 2 days skill development training programme on value addition in cassava and sweet potato to tribal women and in this programme trainees prepared 20 different types of value added products of cassava and sweet potato under the guidance of Resource person Dr. M. Janaki, Scientist (Horticulture), Horticulture Research Station, Peddapuram and Dr. P. Lalitha Kameswari, Principal Scientist and Head, KVK, Pandirimamidi. In this programme chief guest, Sri. Satyanarayana, ADH, ITDA, Rampachodavaram, Sri. P.C. Vengaiah, Scientist (Food Science and Technology), HRS, Pandirimamidi, TANAGER, NGO staff, KVK staff and 21 trainees have participated. Dr.N.Chiranjeevi, Research Associate (Plant Pathology) co-ordinated the programme.



On 25 January 2022, Ms. K. Prasindhu, Research Associate (Plant Protection) Dr.SrividyaRani.N, Scientist & Head and KVK staff from KrishiVigyan Kendra, Vonipenta, conducted on campus training programme on Integrated Pest and Disease management in Sesamum, at KVK, Vonipenta. During the programme Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr.SrividyaRani.N, Scientist &

Head interacted with farmers regarding Sesamum crop and explained the management of various Pests and Diseases in Sesamum.



On 27 January 2022, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta, attended as resource person for training programme conducted by Coromandal international limited at Madirepalli village of Duvvurmandal. The scientist explained the importance of nutrient management in Groundnut and importance of application of SSP for supplying Ca and S along with P and application of Gypsum at the time of flowering for increasing the pod yield and oil content.



### Girl Child Day

Girl Child Day was celebrated on 24 January 2022 by KVK, Venkataramanangudem in Government High School, Venkataramanangudem. Dr. V. Deepthi Scientist (Agri. Extn) and Dr. K. Venkatasubbaiah Scientist (Hort) participated in the programme and explained about the importance of education for girl child to stand as successful citizen of the Nation. Also explained precautionary measures against Covid- 19 spread and also distributed sanitizers and mask to the students.



On 24 January 2022, Dr.B.Vijayasree, Research Associate (Home Science) celebrated the National Girl Child Day-2022 at KVK, Periyavaram created awareness about discrimination and exploitation faced by the girl children in the society, highlights the importance of nutrition and importance of National Girl child Day which is commemorated every year on 24<sup>th</sup> January to empower and

amplify the voices of girls across India. As Part of it conducted essay writing competition and distributed certificates to students of A.P Model school, Venkatagiri. In this program Assistant Director Agriculture (ADA) Dr. Nagarjuna sagar, Dr.P.Manjari, Scientist, Veterinary Science, Motivational speaker on social issues Ms.B.Vinisha, Venkatagiri participated and acknowledged students on empowerment of girls, Gender inequality and also motivated girl students on different schemes of Government like Save the girl child, Beti bachaobeti padhao and importance of girl child education to overcome all the challenges in the society at all levels. VAAs, VHAs, Dept of Agriculture, School students and Teachers of A.P. Model School, Venkatagiri of SPSR Nellore district also participated.

On 24.01.2022 Dr. Srividya Rani. N, Scientist & Head, Dr. V. Yugandhar, Research Associate (Horticulture), Dr. V. Nagarjuna, Research Associate (Soil Science), Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. S. Lavanya, Research Associate (Livestock production) from Krishi Vigyan Kendra, Vonipenta conducted National Girl Child Day under Azadi Ka Amrit Mahostav. During the programme scientists created awareness among people regarding inequalities, discrimination, exploitation faced by the girls in society and conducted competitions to the school children and prizes were distributed on this occasion.





## Diagnostic Visits

On 28.01.2022 and 29.01.2022, Dr. V. Govardhan Rao, Scientist (Pl.Path) visited Pedapatnam lanka, Appanapalli, Mamidikuduru, Makannapalem and Karavaka villages of Mamidikuduru and Kesanapalli mandals, East Godavari district for selecting beneficiary farmers under SC-Sub plan programme.



Dr.E.Karunasree, Principal Scientist and Head and Dr.V.Deepthi, scientist (Agricultural Extension)KVK venkataramannagudem conducted diagnostic visits to organic farming fields in chili and ivy gourd crops on 18.01.2022 in Singarajupalem village and suggested for timely management of pests and diseases through integrated organic farming methods to avoid yield losses.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has attended the diagnostic visit on 27.01.22 to the fish farm at Janganathapuram village in Nallajerlamandal and found that the mixed infection of Argulus and Red disease in the fishes. Application of Ivermectin based compounds through feed and water for control of argulus infection and also use of water sanitizers and antibiotics through feed for control of red disease were suggested as control measures.

On 19 January 2022, Dr. K. Venkata Subbaiah, Scientist (Horticulture), attended field diagnostic visit in brinjal fields in Datlavarigudem tribal village in Jeelugumillimandal and suggested Spinosad 45.00 SC @0.35ml per lit of water for control of shoot and fruit borer and also suggested Recommended dose of Fertilizers (RDF).



On 24 January 2022, Dr. S. Adarsha Scientist (Entomology) and Dr.N Chiranjeevi Research associate (Plant Pathology), KVK, Pandirimamidi visited banana and guava orchards at Koti village of Korukonda mandal. Observed Rugose spiralling white fly infestation on guava. Recommended not to go for application of chemical pesticides. Created awareness on biological pest control methods and usage of *Apertochrysa auster* and *Isaria fumosorosea* for control of rugose spiralling white fly infestation. 5 farmers have participated in the visit.

Dr. B. Nagendra Reddy, Scientist (Entomology), CRS, Bapatla visited cashew fields at Sunnadevi, Akkupalli and Boddapadu villages of Palasa Mandal, Srikakulam district and observed infestation of Leaf and Blossom webber and aphids infestation in cashew orchards. Further created awareness to the cashew farmers of Palasa Mandal about different pests of Cashew and their management on 31 January 2022.





On 19 January 2022, Dr. Srividya Rani N, Scientist and Head (Extension) and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited Tomato fields for diagnosis of pests and diseases at Settivaripalle village of Mydukur mandal. During the visit scientist explained about fertilizer management and disease management during the Rhizome development stage.



On 20 January 2022, Dr. Srividya Rani N, Scientist and Head (Extension) and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited sweet orange fields for diagnosis of pests, diseases and nutrient deficiency at Thotlapalli village of B.Mattam mandal. The scientist identified Citrus leaf miner infestation and suggested for foliar application of Neemoil @ 0.5% followed by Imidacloprid @ 0.03% after one week of neem oil spraying.

On 20 January 2022, Dr. Srividya Rani.N, Scientist &Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited chilli field for diagnosis of pests and diseases at Thotlapalli village of B.Mattam mandal. During the visit scientist identified upward curling and suggested to spray Acetamiprid @ 0.02% or Fipronil @ 0.2%.



On 20 January 2022, Dr. Srividya Rani.N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited papaya fields for diagnosis of pests and diseases at Mallepalli village of B.Mattam mandal. During the visit scientist observed the ring spot virus disease and suggested removal and destruction of infected plants followed by spraying with Imidachloprid @ 0.03% or Fipronil @ 0.2 % for controlling the virus transmitting vectors.

On 20.01.2022 Dr. Srividya Rani N, Scientist and Head (Extension) and Dr. V. Yugandhar, Research Associate (Horticulture) from Krishi Vigyan Kendra, Vonipenta visited Cotton fields for diagnosis of pests and diseases at Lingaladinne village of B.Mattam mandal. Observed Magnesium Deficiency and recommended foliar spraying of MgSO4 @ 1 %.



On 21 January 2022, Dr. S. Lavanya, Research Associate (Livestock production) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited Goat flock at Machug-aripalli village of Mydukur mandal. The scientist Dr. S. Lavanya identified that the goat suffered with external parasites and also conjunctival mucous membrane was appeared in pale pink. Recommended the Ivermectin @ 0.02mg/kg b.wt. of animal, Histanil @ 0.5mg/kg b.wt. of animal and oral Hematinics.



On 27 January 2022, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted diagnostic field visit in black gram fields for diagnosis of pests and diseases at Madirepalli village of Duvvurmandal. Identified Yellow mosaic and leaf curl infestation in black gram and suggested to spray acephate @ 1 gm /l or Fipronil @ 1.5 ml/l for control of the insect vector.



### Phone-in Live Programmes

Dr.K.Subramanyam, Principal Scientist & Head, HRS, Mahanandi attended phone-in-live programme on “Plant Protection in Onion & Garlic” at Doordarshan Kendra, Vijayawada on 17 January, 2022.

### 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 January, 2022 (3-4 PM).

Date	Topics
17.01.2022	శాస్త్రీయ పద్ధతిలో రొయ్యల పెంపకం డా.ఎ.దేవివరప్రసాద్ రెడ్డి, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
18.01.2022	ఉద్యాన పంటలలో తక్కువ ఖర్చులో కోత అనంతర యంత్రాలు శ్రీ పి.సి.వెంగయ్య, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, పందిరిమామిడి
19.01.2022	లిల్లి పూల సాగులో మెళకువలు డా.టి.సుశీల, అసోసియేట్ ప్రొఫెసర్, ఉద్యాన కళాశాల, వెంకటరామన్నగూడెం
20.01.2022	మిరపను ఆశించు తెగుళ్ళు – వాటి యాజమాన్యం శ్రీమతి టి.విజయలక్ష్మి, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లామ్
21.01.2022	పాడి పశువులలో సంభవించే వివిధ వ్యాధుల యాజమాన్యం డా.టి.విజయ నిర్మల, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
22.01.2022	పుట్ట గొడుగుల సాగు శ్రీ.జి.శాలిరాజు, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
24.01.2022	నిమ్మ తోటల పురుసుద్ధరణ చర్యలు, ఉపయోగాలు డా. కె. ఉమామహేశ్వరి, సీనియర్ శాస్త్రవేత్త, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
25.01.2022	కొబ్బరిలో సమగ్ర పోషక యాజమాన్యం డా.ఎం.మాధవి, ప్రొఫెసర్, ఉద్యాన కళాశాల, వెంకటరామన్నగూడెం



Date	Topics
27.01.2022	చీని, నిమ్మ తోటలలో సమగ్ర సస్యరక్షణ డా.బి.గోవింద రాజులు, ప్రధాన శాస్త్రవేత్త & హెడ్, కె.వి.కె, పెరియవరం
28.01.2022	పాలిహౌస్ లో కాప్రికం సాగు మరియు యాజమాన్య పద్ధతులు డా.కె.రాజేంద్ర ప్రసాద్ , శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, పందిరిమామిడి
29.01.2022	అరటిలో సమగ్ర పోషక యాజమాన్యం డా.జి.రామానందం, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, కొవ్వూరు
31.01.2022	ఉద్యాన పంటలలో తేనెటీగల పెంపకం – ఆవశ్యకత డా.ఎస్.ఆదర్శ, శాస్త్రవేత్త, కె.వి.కె, పందిరిమామిడి

### **“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 January, 2022.

Date	Topics
17.01.2022	జనవరి మాసంలో తోట పంటలలో చేపట్టవలసిన పనులు; ;పెరటి తోటల పెంపకంమిద్దె తోటల పెంపకం
18.01.2022	బొప్పాయి సాగులో మెళకువలు; పనస సాగులో మెళకువలు
19.01.2022	,గోరుచిక్కుడు చిలగడదుంప ,పెండలం మరియు కంద సాగులో మెళకువలు
20.01.2022	కర్ర పెండలం సాగులో మెళకువలు
21.01.2022	చేమగడ్డ, బీట్ రూట్, ఉల్లిగడ్డ సాగులో మెళకువలు
22.01.2022	జనవరి మాసంలోకూరగాయలు & పూలతోటలనందు తోట పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; వాతావరణ సూచనలు; వ్యవసాయ మరియు ఉద్యాన రంగాలలో ప్లాస్టిక్ వినియోగం.
24.01.2022	జనవరి మాసంలో తోట పంటలలో చేపట్టవలసిన పనులు; సమస్యాత్మక భూములు – వాటి యాజమాన్యం; వర్మికంపోస్ట్
25.01.2022	క్యారట్, చిక్కుడు, ఫ్రెంచ్ చిక్కుడు సాగులో మెళకువలు
27.01.2022	చీని, నిమ్మ సాగులో మెళకువలు
28.01.2022	కూరగాయల సాగులో తెగుళ్ళ యాజమాన్యం
29.01.2022	ఆధునిక పద్ధతిలో కూరగాయల సాగు; బెండ సాగులో మెళకువలు
31.01.2022	నిమ్మ సాగులో మేలైన యాజమాన్య పద్ధతులు



## 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 January, 2022.

Date	Topic	Scientist Name
17.01.2022	సుగంధ తైలం మరియు ఔషధ మొక్కల సాగులో రకాలు & మేలైన యాజమాన్యం	Dr.D.Aparna, Scientist, HRS, V.R.Gudem
21.01.2022	కోకోపీట్ తయారీ విధానము మరియు వివిధ పంటలలో ఉపయోగాలు	Dr.B.V.K.Bhagawan, Principal Scientist & Head, HRS, Ambajipeta
24.01.2022	కనకాంబరం రకాలు ఎంపిక మరియు మేలైన యాజమాన్యం	Dr.D.Sreedhar, Scientist, HRS, Anantharajupeta
28.01.2022	ఉద్యాన పంటలలో జీవన ఎరువులు వాటి ప్రాముఖ్యత	Dr.T.Nagalakshmi, Scientist, HRS, V.R.Gudem
31.01.2022	కరివేపాకు, పుదినా మరియు వేసవిలో లాభసాటిగా కొత్తిమీర సాగులో మేలైన యాజమాన్యం	Dr.M.Ravindrababu, Sr.Scientist (Hort.), HRS, V.R.Gudem

## General

### Meetings

On 20.01.2022, Dr. V. Govardhan Rao, Scientist (Pl.Path) attended the review meeting with committee members of the field diagnosis conducted by the Department of Horticulture, East Godavari district at Agriculture College, Rajahmundry. The follow up report has been prepared and submitted to the District Collector, Kakinada East Godavari, Commissioner of Horticulture, Amaravathi, AP and a copy also submitted to the Director of Research, Dr.YSRHU, VRGudem for information.



Dr. J. Dilip Babu, Principal Scientist (Hort) & Head, Dr. K. Umamaheswara Rao, Senior Scientist (Hort) and Dr. B. Nagendra Reddy Scientist (Entomology), CRS,Bapatla attended the virtual meeting on "Pollinators of Cashew: Species Diversity and Their Importance" on 28.01.2022 Organized by ICAR-DCR, Puttur.

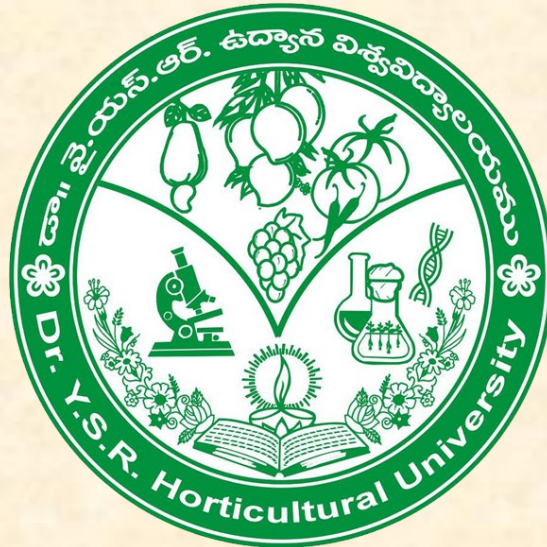
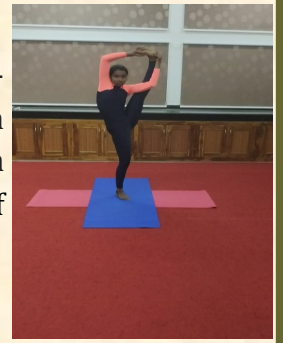
### HRD

Dr.C.Madhumathi and Dr.M.Kavitha, CRS, Petlur participated in National seminar on "Empowerment of rural youth with Novel Agricultural technologies (ERYNAT 2022)" on 28<sup>th</sup> -29<sup>th</sup> January, 2022 virtually.



## Awards

Ms Sudha Rani and Ms Suneetha of 2<sup>nd</sup> year B.Sc. (Hons.) Hort. of College of Horticulture bagged Yoga Prathibha awards in the Yogathsava-2022 conducted on 28,29,30<sup>th</sup> January 2022 by Shiva Jyothi Yoga Kendra, Bangalore. Dr. V. Sudha Vani, OSA and Dr. S. Sitaram, PD supervised the event under the chairmanship of Dr. M. Madhavi, Associate Dean.



**Patron:** **Dr T.Janakiram**, Vice-Chancellor

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