



*Striving for a greener tomorrow...*

# PJTSAU NEWS



## In this issue

<b>From the VC's Desk</b>	1
<b>Important Events</b>	
Agri Innovation Hub(AgHub)- Empowering Youth Towards Entrepreneurship	2
Seventh University Foundation Day	3
<b>Promising Technologies</b>	
Eleven Promising Varieties Released by PJTSAU	4
Crop Residue Management in Telangana	6
<b>Workshops, Conferences, Meetings, Seminars</b>	
Sensitization on Wide Applications of Remote Sensing and Drones in Agriculture	9
Alumni Connect Programme at CoA, Rajendranagar – Linking the Lost Bonds	10
Raising Awareness on Wild Life Conservation among the Students of the Varsity	10
The 15 <sup>th</sup> Academic Council Meet- Approves the Academic Programme 2021-22	11
Global Conference on Water Productivity – Focusing on 'More Crop per Drop'	11
Curtain raiser of "International year of Millets 2023"	12
A National webinar on 'Recent Advances in Plant Health Management	12
<b>Capacity Building</b>	
Input Distribution and Capacity Building to Farmers – PJTSAU Outreach Activities	13
PJTSAU Colleges Technically Backstopping the Farmers of Adopted Villages	14
<b>Visitors</b>	
Trainee Deputy Collector Visits Varsity	15
Srilankan high commissioner Keen on Replicating the AgHub model at their end	15
<b>Collaborations</b>	
PJTSAU and Yara Fertilizers Join Hands on Collaborative Research	15
Collaborative Research in Organic and Nano fertilizers	16
Anchor Engineering Corporation and PJTSAU Partner on Fertilizer Product Testing	16
Tech Mahindra and PJTSAU on Fabricating a Model Farm at the Campus	16
PJTSAU and NI-MSME – Mentoring the Extension Team on Entrepreneurship	16
NCDC and PJTSAU Collaborate to Work on Common Interests	17
PJTSAU and NRSC on Surveying the Groundwater Status in the State	17
PJTSAU and NABARD Work in Collaboration on Use of Drones in Direct Seeded Rice	17
Alliance with AARDO for Agriculture and Rural Development in Afro-Asian Countries	17
<b>Awards &amp; Honours</b>	18
PJTSAU KVKs Once Again Rewarded for their Excellence	19
<b>Institutional Activities Show of Reverence and Responsibility</b>	19
<b>Celebrations</b>	20

Visit us at  
[www.pjtsau.edu.in](http://www.pjtsau.edu.in)


## From the VC's Desk



Agriculture is the life line of small and marginal farmers of the country and recent threats of climate change, degradation of natural resources and ecosystems throws challenges on innovative and sustainable intensification of Agri food systems. For long term sustenance, there is a dire need to strengthen the Agricultural education system in the country to mould the younger generations to cope up with these challenges. The National Education Policy-2020 (NEP-2020) of India opens avenues to introduce much needed changes in the education system, including higher agricultural education. Transforming the existing system to multidisciplinary research-intensive Higher Education Institutions (HEIs) through suitably revising course curricula, modifying academic structure of degrees/diplomas/certificate system, introduction of academic credit banking system, partnerships among HEIs, universities, industry and other stakeholders is need of the hour.

The policy envisions a complete overhaul and re-energizing of the higher education system. The NEP envisages large multidisciplinary universities and colleges to end the fragmentation of higher education and reorient the academic structure to include vocational education in higher education at entry level. It is intended to provide opportunity to large number of students to undertake higher education of varying types; a certificate course, a diploma, a degree or a post graduate degree or PhD with multiple entry and exit points. Students have been given much more freedom to complete their education both in terms of years as well as courses.

In this context two most important challenges will be (i) academic restructuring of course curricula so as to bring it in line with the NEP guidelines, and (ii) restructuring of universities and institutions to meet the requirements of large multidisciplinary universities. Issues of adequate number of quality faculty and high-quality research outputs to enhance institutional ranking are other challenges which each institution will face. To move forward, each institution will have to prepare its Institutional Development Plan with short term and long term vision of transformation process and its final goals. Finally, success of the implementation strategy hinges on each institution working out viable partnerships, ensuring availability of adequate funds through innovative ways of accessing different sources, public, and private as well as generating its own resources.

  
Dr. V. Praveen Rao  
Vice Chancellor

## Important Events

### Agri Innovation Hub(AgHub)- Empowering Youth Towards Entrepreneurship

Concurrent with the recent advances at global and national level in the areas of innovation & entrepreneurship, PJTSAU has envisioned integrating Agri innovation and entrepreneurship as an integral part of the University's initiatives. This is in tune with the various initiatives of the State of Telangana to promote innovation and entrepreneurship across all sectors including agriculture. In line with this, the PJTSAU has formed a special purpose vehicle, Section-8 Company, named AgHub, a *first of its kind Incubator* in a Hub & Spoke format at PJTSAU, Hyderabad to promote Food & Agritech start-ups and its rural innovation for promotion of rural entrepreneurship among rural youth, women and grass root innovators in Tier-II and Tier-III towns of the state of Telangana through equity funding to the start-ups with the financial support of NABARD.

It was inaugurated on 30<sup>th</sup> August, 2021 by Sri S. Niranjan Reddy, the Hon'ble Minister for Agriculture, Co-operation and Marketing with a mission to promote innovations and entrepreneurship in agriculture and rural ecosystem through mentoring, incubation-acceleration, access to market, piloting, and investment. Sri S. Niranjan

Reddy, the Hon'ble Minister for Agriculture, Co-operation and Marketing urged the farmers of the state to come out of the traditional agriculture and take up innovative technologies for achieving higher productivity and returns with the best utilization of resources. Sri K. T. Rama Rao envisaged that Telangana state has become the granary of the country with the committed efforts of the Hon'ble Chief Minister in implementing several farmer welfare programmes in addition to the construction of lift irrigation projects to utilize every drop of water and now the challenge is nutritional security. He further suggested that the AgHub functional models should be adaptable by the farming community in the state and should cater to the innovations of every common farmer in the state. He urged Vice Chancellor to concentrate on location specific research and to encourage farmers for crop diversification. Dr. Govindarajulu Chintala, Chairman, NABARD informed that they have funded 7 such agrihubs in the country and wished the unit to flourish and serve as a role model for other Ag hubs in the country. Dr. V. Praveen Rao, Vice Chancellor, PJTSAU explained about the modes of operation and benefits of incubation centre. Smt. P. Sabitha Indra Reddy,



*Inauguration of AgHub Foundation by Sri S. Niranjan Reddy, the Hon'ble Minister for Agriculture, Co-operation and Marketing, Telangana*



*The Hon'ble Vice Chancellor explaining the activities of AgHub*



*Sri K.T.Rama Rao, the Hon'ble Minister for IT, E&C, MA&UD and Industries & Commerce, Telangana addressing the participants*



*Sri S. Niranjan Reddy, the Hon'ble Minister for Agriculture addressing the participants*

Minister for Education, Dr. G. Ranjith Reddy, Member of Parliament, Chevella, Sri T. Prakash Goud, Sri D. Sudheer Reddy, Sri M. Kishan Reddy, Sri M. Sanjay Kumar, MLAs , Sri

M. Raghunandan Rao, APC and Principal Secretary (Agriculture and Co-operation), University officials and others participated in the event.

## Seventh University Foundation Day

The Seventh University Foundation Day Celebrations were held virtually on 3<sup>rd</sup> September 2021 with great pride and happiness. Smt. Mallika Srinivasan, Chairman & Managing Director, Tractors and Farm Equipment Limited (TAFE), Chennai delivered 7<sup>th</sup> Professor Jayashankar Commemorative Address on “Transformation of Agriculture through Innovation and Technology : Role of Youth”. In her address she congratulated the Hon'ble Vice Chancellor and the team PJTSAU for generating cutting edge technologies in agriculture and developing high quality human resources and emphasized the need to focus on value chains. She further stressed that science, technology and innovations play a critical role in agricultural transformation in the years to come and highlighted that input optimization, mechanization, food granary storage, logistics are the areas to be focused in the decade ahead. She urged the need to concentrate on optimum utilization of resources, smart farming, precision agriculture, agri innovation hubs, value chain, low cost mechanization etc for transformation of agriculture in the country.

Dr. S. Sudheer Kumar, Registrar presented the University accomplishments and activities under the pandemic situations during the year 2020-21. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor congratulated the faculty and students who have risen to the occasion meeting the current challenges. He informed that the gross value of agriculture in the state has increased to 1.102 lakh crores from 15,000 crores during 2014 and to 2 lakh crores currently for Agriculture and allied sectors which was possible through Telangana government farmer friendly policies. He reiterated that, the major challenges ahead



*University officials participating virtually in the 7<sup>th</sup> University Foundation Day*

include optimum utilization of fertilizers & water, crop diversification and mechanization. He further added the need for collaborative work between universities, public and private partnerships for delivering apt and timely technological solutions to the farmers and need for a transdisciplinary approaches for achieving sustainable food security in future.

On this occasion several meritorious awards were given to teaching, non teaching, students and farmers under various categories. CRI Pumps best farmer awards were bestowed to Sri Tipparapu Raju from Warangal Dist. for improved water management, Smt. Jetturi Jyothi from Vikarabad Dist. for achieving higher yields in agricultural crops, Sri B. Yadaiah from Yadadri Bhuvanagiri dist. for dry land agricultural technology and Sri M. Krishna Reddy from Nagarkurnool dist. for utilization of farm mechanization in agriculture. Smt. Yembati Padma from Mancherla dist., Sri Maddukuri Siddaiah from Kamareddy dist., Sri Katla Srinivas from Karimnagar dist., Sri Gorla Venkat Rammohan Reddy from Khammam dist., Sri S. Jaipal Reddy from Mahbubnagar dist., Smt. P. Sabitha Reddy from Medak dist., Sri B. Yadaiah from Yadadri Bhuvanagiri dist., Sri A. Praveen Reddy from Nagarkurnool dist. and Sri H. Nagesh from Vikarabad dist. received PJTSAU best progressive farmer awards. Sri Mangamuri Srinivas, Eenadu chief reporter received J S Agricultural Journalism Award in the Agricultural Journalism Category. On the occasion DVDs on Virtual tour of all the Agricultural colleges, College of Community Science, College of Agricultural Engineering and College of Food Science and Technology were released.



*Smt. Mallika Srinivasan, Chairman & Managing Director, TAFE delivering the commemorative address*

## Promising Technologies

### Eleven Promising Varieties Released by PJTSAU

11 high yielding crop varieties of PJTSAU were released in State Varietal Committee meeting held on 24<sup>th</sup> July, 2021 under the chairmanship of Sri M. Raghunandan Rao, APC and Principal Secretary, Department of Agriculture and Cooperation, Govt. of Telangana. Five varieties of Rice, two varieties of Jowar and one variety each of Soybean, Sesamum, Redgram and Greengram were approved by the committee after careful observation of their performance in the various trials and in minikits. These varieties will be further submitted for notification to be officially notified in the gazette by Central Varietal Release committee (CVRC). Sri Raghunandan Rao appreciated the efforts of the University which is ahead in serving the farming community of the state by releasing high yielding resistant varieties, supply of quality seed through seed mela and developing useful, economic and farmer friendly technologies. Dr. R. Jagadeeshwar, Director of Research, Dr. T. Pradeep, Director (Seeds), Dr. K. Keshavulu, Director, TSSOCA, Sri Balu Naik, Joint Director (Seeds), DoA, representative from NSC participated in the programme. The details of varieties are as follows.

**Rice - Rajendranagar Vari 1 (RNR 11718)** - A medium duration (135-140 days) fine grain variety suitable for cultivation during *kharif* and with an yield potential of 7000 – 8000 Kg/ha. It is moderately tolerant to blast, bacterial leaf blight, brown plant hopper and stem borer.



*Rajendranagar Vari 1 (RNR 11718)*

**Rice - Rajendranagar Vari 2 (RNR 15435)** - A medium duration (135-140 days) long slender scented variety with good cooking quality, suitable for cultivation during *kharif* with an yield potential of 5000 – 5500 Kg/ha. It possess moderate tolerance to blast and leafspot. It is developed by Rice Research Centre, Rajendranagar.

**Rice - Kampasagar Vari 1 (KPS 2874)** - A medium duration (135-140 days) fine grain variety with good cooking quality suitable for cultivation during *kharif* and in



*Rajendranagar Vari 2 (RNR 15435)*



*Kampasagar Vari 1 (KPS 2874)*

saline soils with an yield potential of 7300 – 7500 Kg/ha, moderately tolerant to blast, brown plant hopper and stem borer. It is developed by Agricultural Research Station, Kampasagar.

**Rice - Kunaram Vari 2 (KNM 1638)** - A medium duration fine grain variety with good cooking quality suitable for cultivation both during *kharif* (125-130 days) and *Rabi* (135-140 days) with an yield potential of 7600 – 8500 Kg/ha, moderately tolerant to blast and gall midge. It is developed by Agricultural Research Station, Kunaram.



*Kunaram Vari 2 (KNM 1638)*

**Rice - Warangal Vari 2 (WGL 962)** - A medium duration fine grain variety with good cooking quality suitable for cultivation both during *kharif* (120-125 days) and *Rabi* (135-140 days) with an yield potential of 6500 – 7500 Kg/ha, moderately tolerant to blast. It is developed by Regional Agricultural Research Station, Warangal.



*Warangal Vari 2 (WGL 962)*

**Jowar - Tandur Jonna 1 (SVT 68)** - *Rabi* jowar variety with good quality attributes and duration of 115-120 days with an yield potential of 2800 -3000 kg/ha (Grain) and 7000 – 8000 kg/ha (Fodder). It is tolerant to shootfly, stemborer, aphids and moderately resistant to charcoal rot. The grain is rich in Iron (41.86 mg/kg), Zinc (26.67 mg/kg) and crude fibre (2.7%). It is developed by Agricultural Research Station, Tandur.



*Tandur Jonna 1 (SVT 68)*

**Jowar - Palem Jonna 1 (PSV 512)** - The variety is of 100 - 105 days duration with an yield potential of 3500 kg/ha (Grain) and 1200 kg/ha (Fodder) and possess tolerance to shootfly and grain mold. It is developed by Regional Agricultural Research Station, Palem.

**Redgram - Warangal Kandi 2 (WRG 255)**- A medium duration variety (170-180 days) suitable for cultivation as sole crop and inter crop under ID conditions in black soils during *kharif* with an yield potential of 1600 – 1800 Kg/ha and is resistant to fusarium wilt. It is developed by Regional Agricultural Research Station, Warangal.



*Palem Jonna 1 (PSV 512)*



*Warangal Kandi 2 (WRG 255)*

**Greengram - Madhira Pesara 1 (MGG 385)** -A high protein variety suitable for cultivation in the entire state and during all seasons with a duration of 70-76 days and an yield potential of 1500-1600 kg/ha. The seeds are medium bold, shiny and dark green in colour and resistant to stem necrosis, leaf curl and leaf crinkle diseases, moderately resistant to YMV, Cercospora leaf spot and Maruca pod borer.



*Madhira Pesara 1 (MGG 385)*

**Soybean - Adilabad Indore Soyachikudu 1 (AISB 50)**- A medium duration variety (99-104 days) suitable for cultivation during *kharif* with an yield potential of 2157 – 3076 Kg/ha, resistant to Pod blight, Frog eye leaf spot, Alternaria leaf spot and moderately resistant to charcoal

rot, defoliators and stem girdler. It is also tolerant to shattering even on delayed harvestings up to 8-10 days. It is developed by Agricultural Research Station, Adilabad.



*Adilabad Indore Soyachikudu 1 (AISB 50)*

**Sesamum - Jagtial Til 2 (JCS 2454)** - A white seeded variety of duration 90-95 days suitable for cultivation during Summer with an yield potential of 1000 kg/ha, oil content of 46-49%, moderately resistant to powdery

mildew, *Alternaria* leaf spot and to drought conditions. The fatty acid composition is 0.21 % Ecosenoic acid with high unsaturated fatty acids viz. 40.86 % Oleic acid and 41.95 % Linoleic acid with minerals like Iron (130.07 mg/kg), Zinc (69.8 mg/kg) and Calcium (12630 mg/kg). It is developed by Regional Agricultural Research Station, Jagtial.



*Jagtial Til 2 (JCS 2454)*

## Crop Residue Management in Telangana

The enormous quantity of crop residues produced by agriculture in India accounts to approx. 683 million tons (MT) annually, of which 178 MT of crop residue is available as surplus. However, about 84-141 MT of crop residue comprising of cereals (58%), fibres (23%), sugarcane, pulses, oilseeds and others (19%) is subjected to burning for various reasons. In the state of Telangana nearly 291.5 lakh tons of crop residue is being generated annually, of which 92.3% (268.9 lakh tons) is contributed by three major crops viz., rice, cotton and maize. The remnants of rice, jowar, maize, groundnut and soybean are primarily utilized as cattle feed, while small ruminants are allowed to feed on left over leaves and bolls in cotton and pigeonpea, stalks may be used for firewood, thatching or burnt and pod hulls for feeding cattle, sheep and goat with approx. 30-40% of rice and 90-95% of cotton residues being burnt in the state.

The disposal of crop residues has become a major challenge to farmers currently, because they have to clear off the field quickly in order to take up succeeding crop due to short turn-around time between harvesting of preceding crop (s) and sowing of subsequent crop (s). Further proper decomposition of stubbles/straw of rice, maize and cotton incorporated *insitu* takes more time i.e. 2-3 months due to which farmers may loose optimum sowing window, these residues are also resistant to microbial attack due to it's wider C/N ratio (70-100:1) and if left unattended, the residue may also be attacked by termites or whitefly or blown away by wind. The cotton stubbles also harbour pink bollworm which may perpetuate further to the subsequent crops. Thus the farmers are compelled to burn their crop residues instead of their management.

However collection and burning of crop residues is one of the major sources of environmental pollution as it emits hazardous pollutants and greenhouse gases like CO, CO<sub>2</sub>, NO<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub> and volatile organic compounds (VOCs) affecting air quality and visibility in the urban areas adding to the vehicular and industrial pollution. In our country 627 kilo tons (Kt) of PM-10 and 4677 Kt of carbonmonoxide are released into the atmosphere annually due to burning of crop residues. Further it also leads to loss of valuable soil organic matter and nutrients with reduction in N and C level in the top 0-15 cm of soil profile and also elimination of beneficial soil micro-organisms and eco-friendly insects. Hence, there is a dire need to manage the crop residue in a proper way to avoid ill effects of residue burning through proper policy and scientific methods.

### Residue management in rice

Rice-rice is the predominant cropping system under assured irrigated conditions in Telangana, followed by rice-maize. The *kharif* rice is harvested during the month of November with paddy combiners which leaves rice straw at one ft height and rest of the straw is shred scattered in the field. Hence farmers choose various options like collection, heaping and using for cattle feed by those having livestock and then burning the remnants, while complete burning by those who don't have livestock or don't need it in any manner as the turn around time between harvesting of *kharif* rice and sowing/planting of subsequent *rabi* crop (s) is hardly 10-15 days (ID crops) to 30 days (rice). This problem is acute for *kharif* rice than for *rabi* rice. But, burning one tonne of rice straw leads to loss of 5.5 kg Nitrogen, 2.3 kg Phosphorus, 25 kg Potassium and 1.2 kg sulphur besides,

organic carbon. It also releases 60 kg Carbonmonoxide, 1460 kg Carbon dioxide, 199 kg ash and 2 kg Sulphur dioxide.

#### Options to manage residue without burning

- Baling the straw using tractor drawn baler and using it for cattle feed or for industrial purposes
- Application of SSP and (or) microbial consortia for quick decomposition of straw *insitu* in 15-20 days time and then planting rice in *rabi*
- Running Happy seeder (without disturbing the straw in the field) for sowing ID crops in *rabi* season. Zero-till seed-cum-fertilizer drill/planters such as Happy Seeder, Turbo Seeder and Rotary-disc drill or Happy seeder+ Super SMS machines can be used for direct drilling of seeds even in



*Rice straw baling machine*



*Bails of rice straw*



*Super SMS with existing combines*



*Sowing with Happy Seeder*

the presence of surface residues. Further, moisture and nutrients are conserved besides controlling weeds.

#### Residue management in cotton

The regular practice of collection and burning cotton stubbles can be done away by running rotavator or slasher or multi crop shredder. Among all multi crop shredder proved to be the best as it cuts cotton stubble and unopened bolls into tiny pieces and shred them in the field. Thus, it add

- A crop yield of 2.0 t stalks/ha can turn back approximately 12.4-20.0 kg N, 1.6 kg P<sub>2</sub>O<sub>5</sub> and 12.2-13.6 kg K<sub>2</sub>O ha<sup>-1</sup> to the soil
- Improves soil fertility and water holding capacity upon incorporation
- Enhances microbial activity and organic matter content
- Controls hibernating cotton pink boll worm
- Helps in collecting the chaffed stalks into a trolley and can be transported to another agricultural field for soil improvement, used as a mulch or for the manufacture of particle boards, in preparation of pulp and paper, hard boards, corrugated boards and boxes, micro-crystalline cellulose and for growing edible mushroom or in biofuel programmes
- Running shredder/shredder cum mulcher is cost effective as it can save Rs. 1875 ha<sup>-1</sup> as compared to manual cutting and burning of cotton stalks (Rs. 4375 ha<sup>-1</sup>)



*Multi crop shredder in Cotton*

### Residue management in Pigeonpea

Traditionally, Pigeonpea is harvested and threshed manually. The left over stalks are used for thatch purpose or as fire wood or burnt. The pod covers are rich in nutrients and are generally fed to cattle, sheep, goat etc. However, now a days, with the successful introduction of combiners, machine harvesting of Pigeonpea is gaining momentum, which leads to leaving of pod covers and stubbles in the field which can be incorporated *insitu* in the field with rotavator or rotary mulcher instead of burning the same.



*Mechanical harvesting of Pigeonpea*

### Residue management in maize/jowar/groundnut

The residue of jowar, maize and groundnut crops is mostly used as fodder for cattle. Hence, residue management in these crops is not a problem. However, if maize is harvested and threshed by maize harvester, residue is retained in the soil. If maize cobs and jowar earheads are harvested and threshed manually and when there is no demand for cattle



*Maize harvester*



*Multi crop shredder*

feed, rotavator or shrub master (slasher) or rotary mulcher or multi crop shredder can be run to cut the stover into pieces and shred in the field. It will add organic matter and enrich the soil upon decomposition.



*Rotary mulcher*

### Residue management in soybean, safflower and chickpea

Most of the soybean, safflower and chickpea is mechanically harvested, hence, the straw/stubble is automatically shred on the field surface which can be incorporated *insitu* by running rotavator. In case of manual harvesting and threshing of soybean, the left over residue is fed to cattle. In few areas, chickpea is harvested manually but threshed by machines in which case, the generated residue will be used as fuel. It has great demand in hotels in urban and peri urban areas and is being purchased @ Rs. 1500/ha residue.

### Residue management in sugarcane

With the introduction of mechanized harvesting of sugarcane, the trash/residue is left on the field which can be



*Sugarcane Trash shredder*



*Sugarcane Ratoon manager*



incorporated *insitu* in the field. It can also be used as mulch in the ratoon crop for conserving soil moisture and controlling weeds.

### Residue management in castor

Castor is generally harvested manually in Telangana with spikes shelled manually by beating with sticks or by mechanical shellers. The capsule remnants are generally thrown away by farmers, but if applied back to the soil can improve soil fertility. Further, the left over castor stubbles in the field are generally uprooted, collected, heaped and burnt. Instead, rotavator or slasher or rotary mulcher can be run in the field in order to lodge and shred them in the field. It will add organic matter upon decomposition.

### Residue management in sesame, greengram and blackgram

Sesame, greengram and blackgram are generally harvested and threshed manually for getting seed. The residues *viz.*, stalks, leaves and pod covers are the main residues in these crops which are generally thrown or burnt by the farmers. Instead, they can be applied back to the soil to improve the soil fertility.

The diversified uses of crop residues include as cattle feed, soil amendments, charcoal gasification, power generation, as raw material for production of bio-ethanol, packing material, paper/board/panel industry, for

mushroom cultivation, as biofuel, biochar and for composting and utilization in organic farming etc.

### Research progress in PJTSAU

Keeping in view the ever increasing volume of crop residue and associated burning problems, the research work was initiated in a net work mode at PJTSAU, on crop residue management in various crops like rice, cotton etc., and subsequent impact on the productivity of *rabi*/summer crops, nutrient, pest and disease dynamics and soil fertility. Further, the use of multi crop shredder/rotavator/paddy baler are being popularised by various research stations, DAATTCs and KVKs in different districts in Telangana for effective crop residue incorporation.

### Future strategies

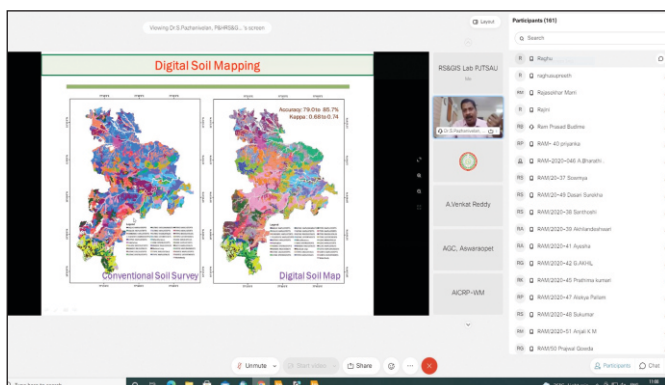
- Technology development (Conservation Agriculture, Quick decomposition methods)
- Establishment and organization of village level Custom hiring centres for improving accessibility to machines
- Promoting mechanization for *insitu* incorporation or managing the residue and creation of awareness through capacity building about ill effects of crop residue burning and its effective utilization and management
- Formulation and implementation of suitable law and legislative/policy measures to curb residue burning

## Workshops, Conferences, Meetings, Seminars

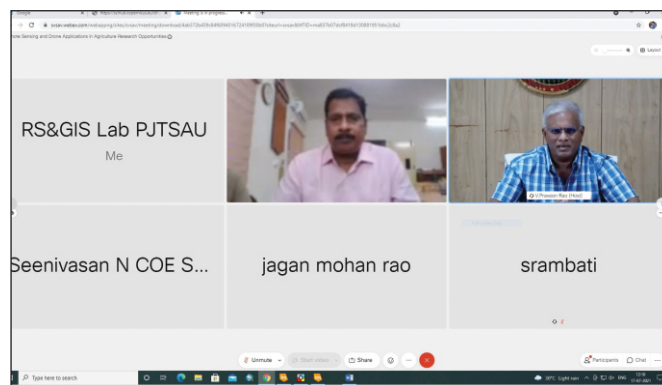
### Sensitization on Wide Applications of Remote Sensing and Drones in Agriculture

The wide applications of Remote sensing and drone technology in the field of agricultural research was highlighted by Dr. S. Pazhanivelan, Professor and Head, Department of Remote Sensing and Geographical Information System, TNAU, Coimbatore in a webinar on “Remote Sensing and Drone Applications in Agriculture –

Research Opportunities” which was organized by Water Technology Centre, PJTSAU, Rajendranagar on 17<sup>th</sup> July, 2021. Dr. S. Pazhanivelan highlighted the applications of Remote Sensing technology to access credit to the farmers and to generate crop information system to help in crop insurance under the *Pradhan Mantri Fasal Bhima Yojana* by



Dr. S. Pazhanivelan delivering the lecture in webinar



The Hon'ble Vice Chancellor interacting with Dr. S. Pazhanivelan

integrating satellite data with drone sensors and linking them to the mobile applications. He also narrated about the importance of SAR Remote Sensing for crop varietal discrimination and assessing the yield gap. He also informed that Drones find multiple applications like development of pest and disease monitoring indices, standardizing spray protocols and calibrating drone based spreading system. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor in his presidential remarks, stressed on use of frontier technologies

like nano technology, artificial intelligence, deep learning, block chain, drones, advanced remote sensing technologies to make agriculture profitable to the farming community. The University officers, alumni of the University, officials from industries, scientists from ICAR institutes, Associate Deans of the Agriculture and Agril. Engineering colleges, Associate Directors of Research of three zones, heads of the departments, research schemes and research stations, staff and students of the University participated in the webinar.

## Alumni Connect Programme at CoA, Rajendranagar – Linking the Lost Bonds

The alumni of an educational institute affirm the excellence of an institute and maintaining connections with them goes a long way for any institute. As part of Platinum Jubilee Celebrations of the College of Agriculture, Alumni Connect Programme was organised in virtual mode on 21<sup>st</sup> August, 2021 which was attended by 230 alumni with great honour and pride. The historic event was launched with welcome address by Dr. V. Praveen Rao, the Hon'ble Vice Chancellor, wherein he updated the galaxy of the alumni members on the progress of University along with the significant achievements to shape the destiny of the farming community. He further emphasised that all the alumni members serving in different corners of the globe should strengthen their activities for the societal benefit.

To recall the fond memories and to arouse a feeling of their physical presence at the campus a video of all the

batches of the college was played followed by the University profile to showcase the progress made. Dr. S. Sudheer Kumar, Registrar of the University also spoke on the occasion about the initiatives, the University has taken to strengthen the infrastructure. Dr. R. Jagadeeshwar, Director of Research, Dr. Seema, Dean of Agriculture and Dr. V. Anitha, Dean of PG Studies, who are the alumni of the College of Agriculture, Rajendranagar shared their experiences at the College and gave a glimpse of the nostalgic feelings of those days. This was followed by sharing of experiences by alumni representatives from every batch since its inception under the coordination of Dr. C. Narendra Reddy, Associate Dean, College of Agriculture, Rajendranagar. The event was quiet successful with bountiful memories and success stories of alumni.



*University Officers participating in Alumni Connect*



*Associate Dean, CoA, Rajendranagar and his team participating in virtual Alumni connect*

## Raising Awareness on Wild Life Conservation among the Students of the Varsity

The idea to create awareness on wild life among the students was materialized by organizing a Zoo Education awareness programme by the College of Agriculture, Rajendranagar, in coordination with the Nehru Zoological Park, Hyderabad on 4<sup>th</sup> September, 2021. Smt. V. V. L. Subhadra Devi, Deputy Conservator of Forest and Curator, Nehru Zoological Park and an alumni of the College of Agriculture,

Rajendranagar was the chief guest of the programme and she presented an over view of wild life, the conservation activities at Nehru Zoological Park and the importance of adoption of the wild animals and the role of the students for the same. A video on the wild life and the activities of Nehru Zoological park was showcased to the students. An exhibition depicting various wild life conservation activities and the overview of

wild life flora and fauna was arranged for the benefit of the students. Dr. C. Narendra Reddy, Associate Dean, OISA, OIMA ,

the faculty, students and the staff of Nehru Zoological park have attended the programme.



*Smt. V. V. L. Subhadra Devi delivering address on wild life*



*Exhibition on wild life flora and fauna*

## The 15<sup>th</sup> Academic Council Meet- Approves the Academic Programme 2021-22

The 15<sup>th</sup> Academic Council meeting was held through video conference on 14<sup>th</sup> September 2021 under the chairmanship of the Hon'ble Vice Chancellor. The council discussed the draft regulations pertaining to admissions to be implemented from the academic year

2021-22. The council further approved the suggested changes pertaining to screening test for P.H. candidates, change in nomenclature of undergraduate courses and change in the eligibility criteria for PG and Ph.D. courses etc.

## Global Conference on Water Productivity - Focusing on 'More Crop per Drop'

A global conference on “Innovative approaches for enhancing water productivity in agriculture including horticulture” was organized by ASM Foundation, New Delhi and PJTSAU, Rajendranagar in collaboration with CHAI, TAAS and Jain Irrigation System Limited on 16<sup>th</sup> to 19<sup>th</sup> September 2021 at PJTSAU, Rajendranagar, Hyderabad. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor in his inaugural address emphasized on the need to enhance water productivity in agriculture and horticulture. He further added that there is a tremendous increase in area under both agriculture and horticulture in the state since five years. Dr. H.P. Singh, Chairman, CHAI highlighting the importance of the conference pondered on severe water scarcity both for agriculture and domestic use and thus it is

time for efficient use of every drop of water for agriculture with focus on 'more crop per drop'. He further added that per capita availability of water has decreased across the world due to increased population.

Several innovative approaches for enhancing water productivity in Agriculture and Horticulture were presented under specific sessions on themes - Analysis of past trend in innovations for enhancing water productivity and envisioning the needs for shaping future agriculture and horticulture; Envisioning the challenges and tasks for achieving the innovative management of water; Understanding smart management system for effective utilisation of resources aimed at improving factor



*Dr. V. Praveen Rao, Vice Chancellor, PJTSAU delivering the inaugural address*



*Releasing of brochure by dignitaries*

productivity; Designer crops and their management for improving water productivity and enhancing input use efficiencies; Biotechnological Innovations for enhancing water productivity; Innovative technology to address the challenges of More Crop per Drop; Climate smart system for adoption and mitigation to climate change for risk management and sustained farm income; Enhancing productivity of inputs through innovations in water management; developing farming practices and technologies to produce More with Less; Paradigms in

Innovations and its application for smart agriculture and horticulture; Human resource availability and strategic approaches of development; Strategies for skill and knowledge empowerment of the farmers. Several eminent speakers shared their experiences in well thought out technical sessions and panel discussions. A total of 250 delegates participated in the conference and 350 farmers attended the conference. Keynote lectures were presented by eminent persons and oral presentations were made in different technical sessions during the conference.



*Felicitating the Hon'ble Vice chancellor with Amit Prabudh Manishi Award on the occasion*



*Sri G.V.L. Narasimha Rao, MP, addressing the gathering at the Valedictory session*

## Curtain raiser of “International year of Millets 2023”

The millets which play a critical role in overcoming malnutrition and serve as an excellent crop for semi arid tropics especially under situations of climate change was recommended by India to FAO and after careful consideration UN declared year 2023 as International year of millets. The "Curtain Raiser of International year of millets 2023" was unveiled virtually by Sri Narendra Singh Tomar, Union Minister for Agriculture and Farmers welfare on 17<sup>th</sup> September 2021 and this programme was held in befitting manner by College of Community Science and Millet Processing and Incubation center of PJTSAU at Post Graduate and Research Center, PJTSAU, Rajendranagar, Hyderabad where in 87 students of Community science and 116 farmers attended the programme.

Dr. S. Sudheer Kumar, Registrar, PJTSAU and the Chief Guest planted a tree commemorating the occasion and later distributed fruit plants and vegetable seeds to the farmers and farm women. University officers also



*Dr. S. Sudheer Kumar, Registrar, PJTSAU distributing plants to farmers*

participated in the programme and explained the importance of millets and also suggested to include millets in all the hostels at the varsity. The farmers and students were served with healthy nutritious millet based refreshments and lunch to create awareness on millet

## A National webinar on 'Recent Advances in Plant Health Management'

As a part of the Platinum Jubilee Celebrations of the College of Agriculture, Rajendranagar, Department of Plant Pathology organized a two-day national webinar on 'Recent Advances in Plant Health Management' on 24<sup>th</sup> and 25<sup>th</sup> September, 2021 in virtual mode. The webinar hosted ten

eminent faculty in plant protection from across the country and abroad with lead talks encompassing wide topics ranging from molecular tools and diagnosis of fungal and viral plant diseases, conservation and sustainable utilization of fungi, role of endophytes in mitigating plant

diseases, phytosanitary regulations and diagnostics against transboundary plant pests and nematode research and trends in India. Dr. Seema, Dean of Agriculture, PJTSAU, Dr. R. Jagadeeshwar, Director of Research, PJTSAU graced the inaugural session. Dr. C. Narendra Reddy, Associate Dean, College of Agriculture, Rajendranagar graced the valedictory session. The event was organized under the chairmanship of Dr. G. Uma Devi, Senior Professor & Univ. Head (Plant Pathology), PJTSAU. Three hundred participants from across the country including faculty and students participated in the national webinar.



*Dr. Seema, Dean of Agriculture, PJTSAU and faculty of College of Agriculture at inaugural Session*

## Capacity Building

### Input Distribution and Capacity Building to Farmers - PJTSAU Outreach Activities

PJTSAU with a vision to technically equip the farmers on timely practices to be adopted in the various crops organized several training programmes in various parts of the state. Training programmes on 'Pink bollworm management by using AI based solution in Cotton' was organized on 12<sup>th</sup> July, 2021 by KVK, Adilabad in collaboration with Wadhvani Institute for Artificial Intelligence at Adilabad & Echoda division; KVK, Malyal organised 'Better Management Practices in Kharif Crops'

on 31<sup>st</sup> July, 2021 and 'Pest and disease management in Cotton' was organized at Sriramagiri Village of Nellikudur Mandal on 9<sup>th</sup> September, 2021; 'Audio Conference on Integrated Crop Management in Cotton' was organized on 11<sup>th</sup> & 12<sup>th</sup> August and 14<sup>th</sup> September 2021 and 'Recent approaches on E-marketing in agriculture and allied sectors and Location specific nutri management and weather based crop advisories' on 10<sup>th</sup> August, 2021 at Gampalapalli village, Tandoor mandal of Mancherial



*Training programme on better management of kharif crops at KVK, Malyal*



*Training Programme on Pink Boll Worm Management by KVK, Adilabad*



*Distribution of Seed cum fertilizer drills by KVK, Adilabad*



*Distribution of planting material by KVK, Rudrur*

District was organized by KVK, Bellampalli, Mancherial District; 'Water Saving Technologies under 'Jal shakthi Abhiyan' to tribal farmers at Medipally Thanda village on 29<sup>th</sup> July 2021 and Method demonstration of 'Stem applicator in Cotton' was organized at Chinna Mavandi Village, Bodhan Mandal, Nizamabad district on 11<sup>th</sup> August, 2021 by KVK, Rudrur. 'Precautionary measures of Pink bollworm in Cotton' at Meedkonda village on 29<sup>th</sup> July 2021 and 'Organic farming and INM' at Meedkonda village on 28<sup>th</sup> August 2021 by RARS, Warangal; "Vanakalam pantalalo melynayajamanyam" and 'Method demonstration on Stem application in cotton' was organized by ARS, Madhira at Nakkalagarubu (adopted village), Madhira on 28<sup>th</sup> July and 6<sup>th</sup> August 2021 respectively, 'Best Management Practices

for *kharifrice*' was organized by ARS, Tornala on 4<sup>th</sup> August, 2021 at Ibrahimipur village and 'Integrated Pest & Disease Management in *Kharif* Crops and 'Oil palm cultivation and package of practices by KVK, Bhadradi Kothagudem on 13<sup>th</sup> and 19<sup>th</sup> August, 2021 at Seetampeta Banjara village, Sujathanagar Mandal, Bhadradi Kothagudem and Pedda Nallaballi village, Dummugudem Mandal, Bhadradi Kothagudem respectively.

In addition several inputs like Vegetable seed kits and Planting material, Sprayers, Seed drills, MB Ploughs, Tarpualins, Flourmill units and Cotton stem applicators were distributed under Tribal Sub Plan (TSP) by various institutes under PJTSAU.

## PJTSAU Colleges Technically Backstopping the Farmers of Adopted Villages

The constituent colleges of PJTSAU in addition to their teaching activities are also taking up several extension activities in their adopted villages to empower the farmers with the latest technologies in farming and allied sectors. The College of Agriculture, Rajendranagar organized 'Best management practices in Rice' on 07<sup>th</sup> August 2021 at Gudur (vill.), Agricultural College, Palem organized 'a one day training programme for *vanakalam* season' on 9<sup>th</sup> July 2021, 'Awareness programme on vegetable cultivation' on 26<sup>th</sup> July 2021, Conducted field visits and explained cultivation of

cucurbits under pandal system, nutrient management strategies in cotton, weed management and nutrient management strategies in Rice at Shainpally(vill); Agricultural College, Warangal conducted diagnostic field visit at Damera village on 4<sup>th</sup> September, 2021 and organized method demonstration on installation of pheromone traps in cotton field for monitoring of pink bollworm; Agricultural College, Jagtial organized 'Method demonstration on Drumseeder in Rice' on 2<sup>nd</sup> July 2021 and an 'Awareness and Installation of Pheromone Traps in



*Training Programme on Best management practices in Rice by faculty of College of Agriculture, Rajendranagar*



*Demonstration of installation of pheromone traps by faculty of Agricultural College, Warangal*



*Demonstration on Drumseeder in Rice by Agricultural College, Jagtial*



*Demonstration of preparation of orange candid peel to farm women by faculty of CFST, Rudrur*

Maize fields' on 18<sup>th</sup> August 2021 to diagnose the incidence of fall army worm and stem borer at Gullapeta Village; College of Food Science and Technology, Rudrur organized training programme on 'Value addition to fruits' and 'Environmental and personal hygiene to rural women and girls' to the farm women on 19<sup>th</sup> July 2021, demonstration of 'Preparation of multigrain atta' on 11<sup>th</sup> August 2021,

'Training programme on weaning foods' on 17<sup>th</sup> August 2021, at their adopted villages; College of Community Science, Saifabad organized training programmes on 'Establishment of Tailoring Enterprise' on 7<sup>th</sup> September 2021 and a 3-days training programme on "Paper Bag making" from 13<sup>th</sup> to 15<sup>th</sup> September 2021 at Rama chandraguda village, Maheshwaram Mandal.

## Visitors

### Trainee Deputy Collector Visits Varsity

Smt. B. Santoshini, a trainee Deputy Collector visited PJTSAU on 13<sup>th</sup> July 2021 to have insights on agriculture situation in Telangana and interacted with University Officials. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor briefed the strengths, opportunities and challenges faced by the farmers in enhancing their incomes. Further, R&D initiatives taken up by the University in developing sustainable food systems, information on new projects being implemented by PJTSAU such as developing high yielding rice & pulse varieties, high density mechanized cotton, value chain mechanization, emerging technologies including AI, Blockchain, drones, robotics etc. were explained. A visit to state of the art labs, research



*Smt. B. Santoshini interacting with University officials*

infrastructure, research projects etc. and interaction with the faculty was also organized.

### Srilankan High Commissioner Keen on Replicating the AgHub Model at their end



*Dr. D. Venkateshwaran, Deputy High Commissioner of Srilanka with University officers of PJTSAU*

Dr. D. Venkateshwaran, Deputy High Commissioner, Sri Lanka visited AgHub at Rajendranagar to understand the Agritech innovation eco-system being nurtured from the platform. He also visited Agricultural Research Institute, Rice Research Centre, Maize Research Centre and Electronic Wing on 29<sup>th</sup> September 2021 to have a mutual collaboration in teaching, research and extension and exchange of faculty and students. Dr. S. Sudheer Kumar, Registrar and Dr. R. Jagadeeshwar welcomed the Sri Lankan diplomat and explained about the University activities.

## Collaborations

### PJTSAU and Yara Fertilizers Join Hands on Collaborative Research

A collaborative research in common areas of interest i.e carbon farming, UAVs use in agriculture, regenerative agricultural practices to address climate change and environmental issues will start soon as per the collaborative agreement between PJTSAU and Yara

Fertilizers India Private Ltd, Gurgoan as per the MoU signed by Sri Sanjiv Kanwar, Managing Director, Yara Fertilizers and Dr. S. Sudheer Kumar, Registrar in the presence of the Hon'ble Vice Chancellor, Dr. V. Praveen Rao and University Officers on 8<sup>th</sup> July, 2021.

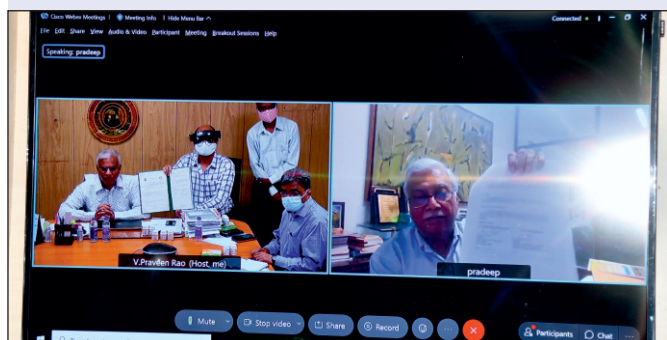
## Collaborative Research in Organic and Nano fertilizers

Dr. K.V.S.S. Sai Ram, Managing Director, Prathista Industries Limited, Banjara Hills, Hyderabad and Dr. S. Sudheer Kumar, Registrar, PJTSAU signed a Memorandum of Understanding in presence of Dr. V. Praveen Rao, the Hon'ble Vice Chancellor on 7<sup>th</sup> July, 2021 with a motto to promote use of organic and nano fertilizers and to further take up initiatives in student exchange, collaborative research and product testing. All the University officers and Senior Officers from Prathista Industries participated in the programme.



*Dr. K.V.S.S. Sai Ram of Prathista Industries Limited signs MoU with PJTSAU*

## Anchor Engineering Corporation and PJTSAU Partner on Fertilizer Product Testing



*Virtual MoU ceremony of PJTSAU with Anchor Engineering Corporation*

The need for optimum utilisation of fertilizers with little footprints on environment and at the same time optimizing the food requirements of the world is the need of the hour, to further strengthen the research in these areas a MoU was signed by PJTSAU with Anchor Engineering Corporation, Mumbai. Mr. Pradeep Goyal, Managing Director, Anchor Engineering Corporation and Dr. S. Sudheer Kumar, Registrar, PJTSAU exchanged the MoU's on 7<sup>th</sup> July 2021 in virtual mode. The agreement will facilitate sponsored research for testing fertilizer products in major crops and balanced use of fertilisers.

## Tech Mahindra and PJTSAU on Fabricating a Model Farm at the Campus

The varsity vision to expose the farmers in the state to modern technologies in farming by establishing a model farm will start soon as per the collaborative effort of PJTSAU and Tech Mahindra Limited, Maharashtra as per the MoU signed by Smt. Kanchan Bhonde, Vice President and

Dr. S. Sudheer Kumar, Registrar, PJTSAU on 8<sup>th</sup> July 2021. This collaboration will establish a model farm in the university campus wherein a farmer can see agriculture and technologies in action for replicating in their farms and making agriculture profitable.

## PJTSAU and NI-MSME – Mentoring the Extension Team on Entrepreneurship

PJTSAU and National Institute for Micro, Small and Medium Enterprises (NI-MSME), Govt. of India, Yousufguda, Hyderabad would collaboratively work in training and entrepreneurship development in areas of interest as per the agreement signed on 8<sup>th</sup> July 2021. This agreement was signed by Dr. Glory Swarupa and Dr. S. Sudheer Kumar, Registrar, PJTSAU and it will facilitate cluster development activities in agriculture through entrepreneurship in fields like designer baby foods, puffed rice, giving the training to KVK staff and students, organizing the workshops.



*PJTSAU officers participating in virtual MoU with NI-MSME*



## NCDC and PJTSAU Collaborate to Work on Common Interests

Sri Vamsi Krishna Dubasi, Regional Director, National Cooperative Development Corporation (NCDC) and Dr. S. Sudheer Kumar, Registrar, PJTSAU signed a MoU

on 8<sup>th</sup> July 2021 for Training & Capacity building and facilitating student internships.

## PJTSAU and NRSC on Surveying the Groundwater Status in the State

Professor Jayashankar Telangana State Agricultural University (PJTSAU), Hyderabad and National Remote Sensing Centre (NRSC), ISRO entered into a Memorandum of Understanding on 23<sup>rd</sup> July, 2021 for collaborative research in estimation of evapotranspiration and soil moisture using geospatial technology and establishment of eddy covariance flux tower and soil moisture probes. The MoU was executed by Dr. S. Sudheer Kumar, Registrar, PJTSAU and Dr. V. Venkateshwar Rao, Deputy Director, NRSC, Hyderabad. Dr. V. Praveen Rao, speaking on this occasion said that, due to large scale irrigation projects taken up in the state there is tremendous increase of ground water in several basins, hence a study on the status of ground water increase in the state under various basins and its utility for

agriculture is very much essential. He opined that, *Telanganaku Haritha Haram* program also contributed for increase of ground water. Under NHP, National Remote Sensing Centre (NRSC), as one of the Implementing Agency is engaged with generation of geospatial products & services to support agriculture and water resources management and capacity building to NHP stakeholders. As part of this project, NRSC is generating energy balance technique based actual evapotranspiration products using remote sensing data and soil moisture through hydrological model simulation. In order to validate these products, a comprehensive field-based instrumentation setup is planned to be installed across the country. The installed instrumentation setup will be used to take in-situ measurements required for evapotranspiration and soil moisture products validation. Professor Jayashankar Telangana State Agricultural University is facilitating the establishment of eddy covariance flux tower and soil moisture probes in their research station for validating these products. PJTSAU will also be conducting research in collaboration with NRSC to develop region specific water management strategies using geospatial technologies and field measurements. This is expected to improve the understanding of water consumption and lead to better water use efficiency in the state. University officers of PJTSAU and Scientists from NRSC were present in MoU signing program.



PJTSAU inks MoU with NRSC

## PJTSAU and NABARD Work in Collaboration on Use of Drones in Direct Seeded Rice

Rice being an important food crop of Telangana State cultivated in an area of 42 lakhs hectares during 2020-21 in *kharif* and *rabi*, Direct seeding of rice (dry and wet DSR) is the best option to cope up such large areas within a short-span of time under labor scarce situations. These systems are drawing the attention of the farmers and the area under

them is increasing rapidly. Hence PJTSAU took initiative to develop framework for drone applications in agriculture, especially in Direct seeded rice and demystify the technology with valid scientific backing and to further strengthen the R&D in this area a MoU was signed between PJTSAU and NABARD on 3<sup>rd</sup> September 2021.

## Alliance with AARDO for Agriculture and Rural Development in Afro-Asian Countries

A MoU was signed between African-Asian Rural Development Organization (AARDO) and PJTSAU on 20<sup>th</sup> September 2021 through virtual mode in the presence of Dr. V Praveen Rao, the Hon'ble Vice Chancellor, PJTSAU and Dr. Manoj Nardeo Singh, Secretary General, AARDO with an

objective to develop innovations and technologies to attain development in agriculture and rural areas of Afro - Asian countries. The collaborative agreement will help in enhancing human capacities, formulation of joint projects, action research, organization of workshops, exchange of

subject experts/specialists in the field of agriculture and rural development which would benefit both the organizations and parties. Dr. Manoj Nardeo Singh appreciating the efforts of Telangana Govt. in increasing production and productivity of various crops in the state said the experiences and expertise would also be benefitted for AARDO countries. Further, he stated, AARDO was striving hard for poverty elimination, rural sustainability, nutritional security in African & Asian countries by partnering with several institutions and wished that, this partnership will go in a long way. Dr Praveen Rao, has explained about the university activities and accomplishments since its inception and said varsity is working on emerging technologies like Block chain technologies, artificial intelligence, robotics, drone technologies in agriculture in addition to establishment of



*AARDO and PJTSAU in MoU in virtual mode*

AgHub, Oil extraction units, Eco colours unit and Millet processing and incubation centre. All the University officers participated on the occasion.

## Awards and Honours

- Professor Jayashankar Telangana State Agricultural University (PJTSAU) was bestowed with **Best Agricultural University** in Agri-business Summit & Agri awards (ABSA) 2021 constituted by M/s. Ray Consulting, Hyderabad for producing globally competitive quality human capital, generating cutting edge technologies to address contemporary challenges of agriculture sector, evolving IT enabled responsive, effective and dynamic outreach mechanisms, the brand proposition, current touch points, retail presence, significant branding and marketing activities under category Universities. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor received the award in the presence of University officers at Park Hyatt Hotel, Hyderabad on 2<sup>nd</sup> September 2021.
- College of Agricultural Engineering, Kandi received a Certificate of Recognition as a member of Beat Covid Campaign initiative of Mahatma Gandhi National Council of Rural education, Hyderabad for the valuable services rendered by the five student volunteer teams during the pandemic.
- Six faculty from the University viz., Dr. R. Jagadeeshwar, Director of Research, Dr. D. Ratna Kumari, Dean of Community Science, Dr. C.V. Sameer Kumar, Professor & Head (Genetics & Plant Breeding), College of Agriculture, Rajendranagar, Dr. P. Jagan Mohan Rao, Director (Seeds), SRTC, Rajendranagar, Dr. M. Uma Devi, Associate Director of Research, RARS, Jagtial, Dr. G. Uma Devi, Professor & Univ. Head, Dept. of Plant Pathology, College of Agriculture, Rajendranagar were bestowed with the



*CAE, Kandi receive Certificate of recognition as a member of Beat Covid Campaign*

“State Best Teacher Awards 2021” from Government of Telangana on the occasion of Teachers Day on 5<sup>th</sup> September, 2021 at Ravindra Bharati, Hyderabad.

- Dr. R. Jagadeeshwar, Director of Research and Dr. V. Anitha, Dean of PG Studies were selected as Fellow of Confederation of Horticulture Association of



*The Hon'ble Vice chancellor and Registrar with State Best Teacher Awardees - 2021*

India 2021 during the global conference on “Innovative approaches for enhancing water productivity in agriculture including horticulture” held at PJTSAU during 16<sup>th</sup> to 19<sup>th</sup> September, 2021.

- Dr. V. Vijaya Lakshmi, Professor and University Head, Dept. of RMCS, College of Community Science, Hyderabad received the Indian Teacher Award 2021.

- On the occasion of Independence Day Dr. Vishwatej, SMS (Extension), B. Shiva, SMS (Horticulture) and Sri Ch. Sridhar, Programme Assistant (Computers) from KVK, Bhadradri Kothagudem, Dr. N. Kishore Kumar, SMS (Extension) & Dr. E. Rambabu, SMS (Horticulture) from KVK, Malyal and Sri S. Omprakash, Scientist (Entomology), from RARS, Jagtial received Best Employee Awards.

## PJTSAU KVKs Once Again Rewarded for their Excellence

KVK, Adilabad bagged Best Annual Report, Best in CFLD Pulses, Best Publications and Best *Swatchata Hi Sewa* programme, while KVK, Wyra for Best Extension Activities, Best Publications, Best Service: Production and Distribution of seeds and Best NICRA project, KVK, Palem for Best Annual Report - Certificate Recognition, Best Demonstration Unit, Best Farmers Data Base, Best Programme : *Swatcha Hi Sewa* and CFLD pulses, KVK,

Malyal for Best Farmers Data Base, Best Programme : *Swatcha Hi Sewa* and CFLD Pulses, KVK, Bellampalli for Best Annual Report, TSP and CFLD, Oilseeds, KVK, Kampasagar for Best Farmers Data Base- Certificate Recognition, DAMU and ARYA projects and KVK, Rudrur for Best Activity: Farmers Training at the Annual Zonal Workshop organized by Director, ATARI, CRIDA, Hyderabad from 6<sup>th</sup> to 8<sup>th</sup> July 2021.

## Institutional Activities-Show of Reverence and Responsibility



*Poshan Abhiyaan programme at Agricultural College, Sircilla*



*Harithaharam programme at Agricultural College, Jagtial*



*Fit India Freedom run at Agricultural College, Jagtial and College of Agriculture, Rajendranagar on 28<sup>th</sup> August, 2021*



## Celebrations



*Independence Day celebrations at PJTSAU*



*Celebrating Kaloji Narayana Rao birth anniversary at the Varsity on 9<sup>th</sup> September, 2021*



*Paying tribute to Padmasri S R Ranganathan at National Librarians Day on 12<sup>th</sup> August, 2021*



*The Hon'ble Vice Chancellor paying tribute to Prof. Jayashankar on his birth anniversary on 6<sup>th</sup> August, 2021*



*Prof. Jayashankar birth anniversary celebrations at College of Community Science on 6<sup>th</sup> August, 2021*

Patron-in-Chief

**Dr. V. Praveen Rao**

Chief Editor

**Dr. Ch.Venu Gopala Reddy**

Editor

**Dr. C. V. Sameer Kumar**

Assistant Editor

**Dr. M. Pallavi**

*Published by Principal Agril. Information Officer, Agricultural Information and Communication Centre and PJTSAU Press, Rajendranagar, Hyderabad -500 030, Telangana State, Phone no. 040 24015380, Email: pjt-sau.editor@gmail.com.*

*Printed at PJTSAU Press, Rajendranagar, Hyderabad -500030, Telangana State.*

*Pub. No. 28/NL/PJTSAU/2021*