Vol. 5 No. 4

October - December, 2022

PJTSAU NEWS

Striving for a greener tomorrow...

In this issue

Visit us at
www.pjtsau.edu.in

From the VC's Desk

Millets are an important source of proteins, minerals, polyphenols, antioxidants, and fibre with no gluten and low glycemic index. Government of India declared millets as nutri cereals in 2018 owing to their tremendous health benefits. The food security mission of 1960s focused mainly on cultivation of HYVs of rice and wheat removing millets from our food plates leading to malnutrition and hidden hunger. The growing health consciousness due to increase in life style related diseases is leading to a shift from modern diet to traditional diets consisting of millets.

Millets are a staple food in several parts of Africa and Asia and it is estimated that approximately 1.2 billion people across the world rely on millets to meet their daily food needs. India is a major producer of millets contributing to 40% of millet production across the world. In the country millets occupy an area of 12.45 m ha with a production of 15.53 mt per annum. Millets are climate resilient crops suitable for cultivation in a wide range of climatic conditions with less inputs. In the context of climate change millets are best bet for varied agro ecologies across the globe and will aid in sustainable intensification of Agri Food systems. Based on the proposal received from Indian Government United Nations declared year 2023 as "International Year of Millets"

The constraints in millet production like low productivity, difficulty in processing, low efficacy of millet processing machinery etc need to be addressed by strengthening R&D. Development of high yielding and end product specific varieties, expansion of their area into non- traditional locations, development of seed hubs and breeder seed production, fixing a MSP for all small millets are few avenues to scale up their cultivation. Further development of appropriate processing machinery, supporting entrepreneurship to develop value added products especially ready to cook(RTC) and ready to eat (RTE) catering to domestic and export market would be encouraging for the start ups in millet products.

The government is taking initiatives like "Millet Challenge" for startups, with a seed grant of Rs 1 crore to three winners who develop innovative models for millet value chain. This "International Year of Millets" may pave the way to enhance the millet consumption and create a healthy population and environment by developing sustainable models for millet cultivation and value chain.

M. Raghunandan Rao
Vice Chancellor

Promising Technologies

Varsity Brought 15 New Crop Varieties into Seed chain

Fifteen promising varieties were released in various crops during the year 2022 by PJTSAU. Among them eight varieties comprising of five varieties of rice, two varieties of fodder and one variety of sesamum were released as per the recommendation in the meeting of Central Varietal Release and Notification Committee held on 6th June, 2022. Other seven varieties of three crops *viz.,* rice, black gram and sesamum were approved by the fourth State Varietal Release Committee meeting held on 3rd September, 2022 under the chairmanship of Sri M. Raghunandan Rao, APC & Principal Secretary, Dept. of Agriculture & Co-operation, Govt. of Telangana and Hon'ble Vice Chancellor, PJTSAU. The five varieties of rice, one variety each in blackgram and sesamum were further recommended for release at state level in the meeting of central varietal release and notification committee held on 26th October, 2022. The details of the varieties are as follows:

Central Release Varieties

Rajendranagar Vari 1 (RNR 11718): A medium slender rice variety of 135 -140 days duration and suitable for cultivation in the states of Karnataka and Pudicherry during *kharif* under irrigated conditions. It has a yield potential of 7000-8000 kg/ha with a seed dormancy of three weeks and moderately tolerant to blast, bacterial leaf blight, BPH and stem borer.

Telangana Rice 5 (RNR 28362): A medium slender rice variety of 130-135 days duration and suitable for cultivation in the states of Uttar Pradesh and Odisha during *kharif* under irrigated conditions. It has a yield potential of 7000-7500 kg/ha and moderately tolerant to blast, brown leaf spot and stem rot.

Telangana Rice 6 (KNM 7048): A long bold grain, short duration (115-120 days) rice variety and suitable for cultivation in the states of Odisha, West Bengal, Chhattisgarh and Maharashtra during *kharif*. It has a yield potential of 8000-8500 kg/ha and moderately resistant to leaf blast and sheath rot.

Telangana Rice 7 (KNM 6965): A short duration (115-120 days) rice variety with long slender grain and suitable for cultivation in the states of Chhattisgarh and Maharashtra during *kharif*. It has a yield potential of 7500-8500 kg/ha and moderately resistant to leaf blast and grain discolouration.

Telangana Rice 8 (WGL 1487): A medium bold grain variety of duration 130-135 days and suitable for cultivation in the states of Telangana and Andhra Pradesh during *kharif* under irrigated conditions. It has a yield potential of 7000-7500 kg/ha, suitable for cultivation in low phosphorous soils and moderately tolerant to blast and BPH.

Telangana Fodder Bajra 1(TSFB 17-7): A fodder bajra variety suitable for cultivation during *kharif* in Telangana, Andhra Pradesh, Tamilnadu and Karnataka with a crop duration of 56-68 days. The green fodder yield potential of the variety is 40.5 t/ha, while the dry fodder and grain yield is 8.7 and 11 t/ha respectively. It is moderately tolerant to blast and grain mold.

Telangana Multicut Bajra 1(TSFB 18-1): A multicut fodder bajra suitable for cultivation during summer under irrigated conditions in Gujarat, Maharashtra and Madhya Pradesh with days to 50% flowering of 56-68 days. The green fodder yield potential of the variety is 86 t/ha, while the dry fodder and grain yield is 17.4 and 11.3 t/ha respectively. The important feature of the variety is its high tillering nature.

Telangana Til 1 (JCS 3202): A white seeded sesamum variety suitable for cultivation in Telangana, Karnataka and Maharashtra with an yield potential of 820-980 kg/ha. The duration of the variety is 90-95 days and moderately resistant to root rot, stem rot, Alternaria leaf spot, Cercospora leaf spot and phyllody.

State Release Varieties

Rajendranagar Vari 3 (RNR 15459): A very fine grain, scented, medium duration (135-140 days) rice variety suitable for cultivation during *kharif* under irrigated conditions. It has a yield potential of 4000-4500 kg/ha and moderately tolerant to blast and whorl maggot. In comparison to chittimutyalu variety it is moderately tolerant to lodging.


Rajendranagar Vari-1 (RNR 11718)


Telangana Rice-5 (RNR 28362)

Telangana Rice-6
(KNM 7048)

Telangana Rice-7
(KNM 6965)


Telangana Rice-8
(WGL-1487)


Telangana Til-1
(ICS 3202)


Telangana Fodder Bajra -1
(TSFB 17-7)

Telangana Multicut
Fodder Bajra (TSFB 18-1)


Jagtial Vari -2
(JGL 28545)


Jagtial Vari -3
(JGL 27356)


Rajendranagar Vari-3
(RNR 15459)


Rajendranagar Vari-4
(RNR 21278)


Rajendranagar Vari-5
(RNR 29325)


Jagtial Til-1
(JCS 1020)


Madhira Minumu-1
(MBG 1070)

Rajendranagar Vari 4 (RNR 21278): A short slender, short duration (115-120 days during *kharif*) rice variety suitable for cultivation during *kharif* and *Rabi* under irrigated conditions. It has a yield potential of 6500 kg/ha, moderately tolerant to blast and doesn't show lodging.

Rajendranagar Vari 5 (RNR 29325): A long slender, short duration (120-125 days during *kharif*) rice variety and suitable for cultivation during *kharif* and *Rabi* under irrigated conditions. It has a yield potential of 7500 kg/ha, moderately tolerant to blast and BPH. It is a long slender variety with high yield potential, high head rice recovery and doesn't show lodging because of its short stature.

Jagtial Vari 2 (JGL 28545): A medium duration (135 days) rice variety and suitable for cultivation during *kharif* under irrigated conditions. It has a yield potential of 7500 kg/ha and moderately tolerant to neck blast, bacterial leaf blight and stem rot. The cooking quality of rice is good with less breakage.

Jagtial Vari 3 (JGL 27356): A medium duration (135 days) rice variety and suitable for cultivation during *kharif* under irrigated conditions. It has a yield potential of 7000 kg/ha with good cooking quality. It is moderately tolerant to neck blast and stem rot.

Madhira Blackgram (MBG 1070): A blackgram variety of 75-80 days duration and suitable for cultivation during *kharif, rabi* and summer throughout the state of Telangana with an yield potential of 1400-1500 kg/ha. It has hairy pods with bold and black colour seed. It is highly resistant to urd leaf crinkle virus, anthracnose, bacterial leaf spot and web blight and resistant to MYMV, maruca pod borer, while susceptible to powdery mildew.

Jagtial Til 1 (JCS 1020): A white seeded sesamum variety suitable for cultivation throughout Telangana state during summer with an yield potential of 1050-1100 kg/ha. The duration of the variety is 85-95 days and moderately tolerant to leaf spot, powdery mildew and phyllody.

Release of publication on newly released varieties of PJTSAU by the Hon'ble Vice Chancellor and University officers

New Initiatives

Inauguration of Agrophotovoltaic System

Agrophotovoltaic system with a potential to serve as an independent energy source along with increased agro productivity by cultivation of shade tolerant plants is a sustainable technology with potential for implementation in farmers' fields. PJTSAU with a vision to transfer this innovative technology to stake holders has initiated studies on Agro-voltaic system which was formally inaugurated on 16th November, 2022 by Dr. V. Praveen Rao, Former Vice Chancellor at Seed Research and Technology Centre, PJTSAU, Rajendranagar, Hyderabad with the capacity of 10 KW. This was installed under Aghub innovations by Renkube Pvt Ltd, a solar startup, based at Bangalore which is bringing an innovative solar panel to the market under Agritech innovations pilot 2.0. Renkube innovatively designed and laid the solar cells to minimize the shadow which is a major constraint in the system, facilitating 100% cultivation of the land along with lease of 100% of the area to the solar developer for solar energy generation. The configuration of Renkube Panels installed is 7.8 KW (40 numbers of panels each of 65 Wp, arranged in 5 Rows with each having 8 panels) and connected to 10 KW growatt inverter. The traditional panels of total 3 KW (8 numbers of panels arranged in a single row and each panel rating is 340 Wp connected to a 3 KW to another inverter).

Inauguration of Agrophotovoltaic unit by Dr. V. Praveen Rao, Former Vice Chancellor, PJTSAU

The Water Technology Centre, Rajendranagar extends the technical support to Renkube startup in establishment and execution of Agrophotovoltaic (Solar farming) system and is studying its sustainability to the farmers by growing various crops. Dr. S. Sudheer Kumar, Registrar, Dr. R. Jagadeeshwar, Director of Research, Dr. K. Avil Kumar, Director, WTC, Dr.Laxmi Santhanam, Renkube India Chairman and other University officers, Principal Scientists (Crops) and Heads of the various schemes, Staff of SRTC, WTC, Renkube startup and Aghub participated in the programme.

Workshops, Conferences, Meetings, Seminars

17th Academic Council Meet

The 17th Academic Council Meeting of PJTSAU was held on 22nd October, 2022 under the chairmanship of Sri M. Raghunandan Rao, the Hon'ble Vice Chancellor at the University Auditorium. The Academic matters of three faculties i.e Agricultural Engineering & Technology, Community Science and Agriculture were thoroughly discussed. The academic matters pertaining to UG, PG & Ph.D. programmes carried from Faculty Boards were scrutinized, discussed and incorporated to maintain the standards of the University. The board approved the enhancement of ICAR quota from 25 to 30% in PG and Ph.D. admissions for the Academic year 2022-23 and revisions pertaining to the Summer internship / project work duration and evaluation. The University officials and academic council members participated in the meeting.

Sri M. Raghunandan Rao, IAS, Hon'ble Vice Chancellor and University officials discussing in the 17th Academic Council meet

Kisan Mela – A way to Gear up the Farmers for Yasangi

A programme to gear up the farmers for ensuing *yasangi* to enhance the productivity by creating awareness on the improved technology, farm mechanization, high yielding varieties, *Kisan melas* were organized in Central Telangana Zone, Northern Telangana Zone and Southern Telangana Zone on 15th, 17th and 30th November, 2022

respectively at Regional Agricultural Research Station, Warangal, Jagtial and Palem. In the technical session scientists of various crops and experts explained in detail about the newly developed technologies suitable for their respective zones along with the need of farm mechanization from seed to seed and application of drones for smart farming. The queries raised by the farmers on various aspects were suitably addressed by the scientists to make the farming as a viable option.

Exhibition comprising of stalls of various Government organizations, Banks, NGOs and private companies along with display of high yielding varieties, farm machinery, drones, new plant protection molecules and various technologies of agriculture and allied sectors like horticulture, animal husbandry, food and nutrition and sericulture was also organized at all melas. A huge gathering comprising of Local officials and leaders, University officials, Farmers, Pvt. Companies, Agril. Dept. officials and Scientists participated in the programme.

Sri Singireddy Niranjan Reddy, the Hon'ble Minister for Agriculture, Telangana addressing the farmers at Kisan mela organized at RARS, Palem

Dr. Sanjay Kumar, MLA, Jagtial addressing the farmers at Kisan Mela, RARS, Jagtial

Release of leaflet on Management practices in Redgram by dignitaries at Kisan mela organized at RARS, Warangal

Mechanization in Cotton – A Field Day to Demonstrate Ease in HDPS Cotton Cultivation

HDPS cotton technology is widely accepted throughout the world. In view of its suitability to our situations, an observatory trial on cotton hybrids under HDPS , following seed to seed mechanization using four Bt hybrids *viz*., THCT-5376, THCT-21-7964, RCH-665 and THCT-5380 was taken up at Seed Research & Technology Centre, Rajendranagar during *Vanakalam* 2022.

A field day was organized on 8th December, 2022 to demonstrate the mechanical harvesting of HDPS cotton using cotton picker designed by Shaktiman company which could not only pick the cotton but could clear the plant residues stuck on to them to some extent through the filters attached in it. The mode of action and its advantages were clearly explained by Sri N. Saravanan, Marketing Head, Rasi Seeds. Sri K. Z. Hanmanthu, Special Commissioner, Govt. of Telangana, and Guest of Honour in his address expressed his satisfaction and emphasized the need to organize such programmes so as to transfer these latest technologies to farmers. Dr. V. Praveen Rao, Former Vice Chancellor, PJTSAU in his address suggested that University, Dept. of Agriculture and private industry should collaborate together and take forward the technology to the farming community in the state as it helps in gaining higher yields.

Sri K. Z. Hanmanthu, Special Commissioner, Dept. of Agriculture, Govt. of Telangana addressing the gathering at the field day

Dr. R. Jagadeeshwar, Director of Research, PJTSAU, Dr. V. Sudha Rani, Director of Extension, PJTSAU, Dr. P. Jagan Mohan Rao, Director (Seeds), PJTSAU, Associate Directors of Research, KVK Programme Coordinators, DAATTC Coordinators, Heads of local stations, Officials from Department of Agriculture, Telangana, Representatives from Rasi Seeds and Shaktiman Pvt. Ltd., etc attended the programme.

Entomology National Symposium Organised

An integrated approach comprising of breeding, entomology, pathology and physiology disciplines is essential to address the current farm problems says Dr. Ashok K. Dhawan, President, Indian Ecological Society, Ludhiana and Guest of Honour in the inaugural address at third National symposium "Entomology 2022: Innovation and Entrepreneurship" organized by Entomology - Hyderabad, in association with PJTSAU, ESI, PPAI and ABF from 8th to 10th December, 2022 at PJTSAU auditorium. He also emphasized on the need to focus on crop, ecology, resources, environment, physiology and urged the scientists to work on researchable issues in the domain of entomology on priority basis with focus on addressing the crop related problems pertaining to entomology. Dr. S. N. Puri, President, Entomological Society of India, New Delhi urged the entomologists to focus on preserving IPM strategies which were much successful earlier and there is a need to bring out methodology for area wise IPM, to focus on invasive pests, to bestow attention for skill development courses as part of New Education Policy. Dr Seema, Dean of Agriculture, PJTSAU and guest of honour reiterated the need to be innovative to add entrepreneurial and value addition to the entomological research aspects.

Dr. Seema addressing the gathering at the inaugural session

The three day workshop deliberated on agriculture, horticulture and forest entomology, commercial entomology, ecological entomology, medical and veterinary entomology, toxicology, insect physiology, genetics and molecular biology, systematics and evolution, followed by panel discussion. Dr. S. Hanuman Singh, Director General, NIPHM, Dr Sharat Babu, President, Plant Protection Association of India, Dr. T. V. K. Singh, Chairman, Organizing committee, Dr Jella Satyanarayana, Convener, Dr. C. Narendra Reddy, Associate Dean, College of Agriculture, Rajendranagar and Dr. J. S. Bentur and about 100 scientists participated in the event.

Capacity Building

Crop Improvement Team Skilled on Modern Breeding Techniques

A three day workshop on "Breeding program modernization" to update the crop improvement team on speed breeding and recent advances was organized by PJTSAU in collaboration with IRRI, Philippines from 6th to 8th December, 2022. Dr. Sanjay K. Katiyar, Breeding Program Modernization Lead, IRRI and scientists from RARS, Maruteru and IGKV, Raipur shared their experiences and explained about procedures and protocols in implementing speed breeding in Rice under normal field conditions. Technical sessions on "Speed Breeding to enhance Genetic Gain: NARES Friendly Cost- effective Technologies" by Dr. Sanjay K. Katiyar; "Digitization in Plant Breeding" by Dr. Sanjay and Dr. Reshmi; "Barcoding & Electronic Data Capture using Field Book" by P. Janaki Ramayya, Y. Satish & Mangla Parikh; "Randomization, Single & Multi-environment Analysis using PB Tools" was dealt by Reshmi Das, Sunil K Nair & Deepak Gouraha were organized as part of the workshop.

Dr. R. Jagadeeshwar, Director of Research addressing the crop improvement team

Dr. R. Jagadeeshwar conveyed his sincere thanks to Hon'ble Vice Chancellor Sri M. Raghunandan Rao and Dr. Sanjay K Katiyar for their willingness and support in organizing this workshop within a short span of time and wish to have more and strong collaborations in future with International agencies like CGIAR organizations. Dr. Sanjay K Katiyar complemented the university administration for organizing this important workshop on Breeding program Modernization, which will help the breeders in minimizing resources by implementing various modern tools & technologies available *viz.,* speed breeding, smart breeding etc. Dr. Seema, Dean of Agriculture, PJTSAU, Dr. P Jagan Mohan Rao, Director (Seeds), and other university officers of PJTSAU, Dr. Ch. Durga Rani, Director, IBT and University Head (Genetics & Plant Breeding), PJTSAU and Dr. P. Raghu Rami Reddy, Principal Scientist (Rice) & Head, Institute of Rice Research, ARI, Rajendranagar participated in the inaugural session. A total of 91 faculty members from Genetics and Plant Breeding, Seed technology and third year PhD students benefitted from the program.

Visitors

Principal Scientist & Network Coordinator, ICAR-NBPGR Visits ARS, Tornala

The national importance of grain amaranth as a nutri cereal along with its cultivation practices and suitable varieties to the state of Telangana was explained by Dr. Hanuman Lal Raiger, Principal Scientist & Network Coordinator, AICRN on Potential Crops, ICAR-NBPGR, New Delhi during his visit to ARS, Tornala on 26th November, 2022. He monitored the performance and adaptability of grain amaranth crop at ARS, Tornala and further explained its industrial uses and their value added products, highlighting the need to motivate the farmers and young agri graduates to take up its cultivation.

Dr. S. Sridevi, Principal Scientist & Head, ARS, Tornala explained about the weather parameters, rainfall pattern, soil fertility status and cropping systems of Siddipet region to the coordinator along with the scope for introduction of the non-conventional crops like grain amaranth in the location. The scientists of ARS, Tornala and farmers from Siddipet district participated in the programme.

Dr. Hanuman Lal Raiger interacting with scientists of ARS, Tornala

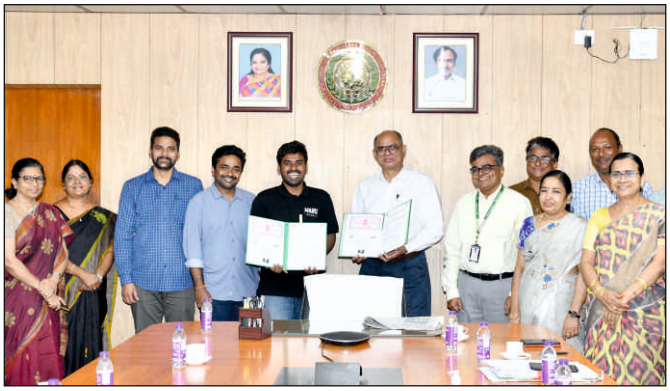
Vistors to AGHub

- AgHub hosted an International Delegation from Malawi, Africa on 15th November, 2022 to discuss on Successful Sustainable Agri and Food Processing practices. Representatives from GIZ India, Access Livelihoods and MANAGE-CIA also participated in the interaction.
- Dr. Premnath Venugopal, Head, NCL Innovations and Dr. Aravind Chinchure, CEO, Deshpande Startups visited AgHub on 1st December, 2022 and interacted with the startups nurtured at AgHub. They also discussed at length about the rural impact that AgHub is trying to create. They pledged to support the organization and the startups in their respective capacities.
- Mr. Vijay Nadiminti, CEO, AgHub spoke on the opportunities in agritech to bring greater value for smallholder farmers at a Panel Discussion on The future of Agritech: Can Technology make Agriculture more Inclusive during the Promoting Inclusive Business in Agriculture and Food Systems conference jointly organized by United Nations ESCAP Invest India and Bill & Melinda Gates Foundation on 6th December, 2022.

Collaborations

PJTSAU and Marut Drone Collaborate to establish Drone Academy

PJTSAU and Marut Drone Tech Pvt Ltd entered into MoU on 12th October, 2022 for a period of three years. As part of MoU it is proposed to offer training on Remotely Piloted Aircraft System (RPAS) wherein, Marut Drone tech proposes to design, develop and deliver the training to trainees, while PJTSAU will provide the required infra-structure and initial funds for setting of Drone Academy/ RPAS training on mutually agreed profit sharing basis. PJTSAU shall also facilitate sensitization of all relevant departments of Telangana State on the benefits of usage of these technology platforms towards efficient and effective conduct of their work flow. The MoU was signed and exchanged between Dr. S. Sudheer Kumar, Registrar, PJTSAU and Mr. Premkumar Vislavath, CEO, Marut Drone Tech Pvt. Ltd (MARUT) in the presence of University officers and staff of Marut.



Exchange of MoU between PJTSAU and Marut Drones

AgHub Collaborations

- AgHub entered into a MoU with Caspian Investments to develop synergies in the areas of investments in agriculture and allied sectors on 7th November, 2022. The MoU will also be a Launch pad for conducting programs specific to the sector.
- AgHub has inked a MoU on 2nd November, 2022 with TBI JNTUH College of Engineering Hyderabad with a mission to work with startups, students and rural innovators in the agriculture and technology sectors. The MoU was specifically done to further entrepreneurship among students from agriculture and engineering backgrounds.
- AgHub has entered into a strategic partnership with ThinkAg on 10th December, 2022. The effort as part of the MoU would be to help accelerate the adoption of agriculture technology among the farmers, thereby benefitting them and other agricultural stakeholders.
- The extensive effort of the teams of AgHub, Professor Jayashankar Telangana State Agricultural University and the startup TRST01 has finally reaped the right benefit. The Tandur Redgram from Telangana has received the renowned Geographical Indicator tag, which will also set the ground for the use of blockchain technology to guarantee the traceability of Tandur Redgram's authenticity.

Awards and Honours

- PJTSAU display received Best Stall award at the Exibition organized by the Indian Society of Dryland Agriculture at ICAR-CRIDA, Hyderabad from 22-24 December 2022. The Stall was powered by Agril. Information and Communication Centre and Agril. Research Station, Tornala.
- Dr. P. Jagan Mohan Rao, Director (Seeds) received *Rythunestham* best Scientist Award at 18th Annual Celebrations of *Rythunestam* farm magazine held on 20th November, 2022 from Sri M. Venkaiah Naidu, the Former Hon'ble Vice President, Govt. of India at Swarna Bharath Trust, Muchintal, Shamshabad.
- Dr. P. Jagan Mohan Rao, Director (Seeds), Dr. B. Rajeswari, Principal Scientist, SRTC, Dr. P. Spandana Bhat, Scientist, RRC, Dr. Y. Praveen Kumar, Prog. Coordinator, KVK, Adilabad, Dr. V. Laxmi Narayanamma, Prog. Coordinator, KVK, Kothagudem, Dr. M. Rajeshwar Naik, Prog. Coordinator, KVK, Bellampalli, Dr. Jessie Suneetha, Scientist, KVK, Wyra, Dr. A. Poshadri, Scientist, KVK, Adilabad, Dr. P. Rajaiah, Principal Scientist, FIM, Dr. M. Ram Prasad, Asst. Professor, Agricultural College, Aswaraopet, Dr. M. Rajsekhar, KVK, Nagarkurnool received *Eruvaka* awards in their respcetive disciplines at the first foundation day celebrations of *Eruvaka* Magazine held on 23rd December, 2022 on the ocassion of National Farmers Day at University Auditorium, PJTSAU.
- Dr. T. Supraja, Professor and Head, Dept. of CCSC received Best Poster Presentation in 5th International Conference on Food and Nutrition for "Effect of Processing on Antioxidant activity of Karanda (*Carissa carandas*) fruit at different stages of maturity" held on 16th and 17th November 2022.
- Dr. I. V. Srinivasa Reddy, Associate Professor, Agricultural College, Aswaraopet received Dr. APJ Abdul Kalam Best Teacher Award 2022 in Horticulture, from Centre for Professional Advancement Continuous Education (CPACE), Vijayawada, AP on 15th October, 2022 and State Award for Empowerment of Persons with Disabilities, 2022 under the category - Best Role Model 2022, from Sri Koppula Eshwar, Hon'ble Minister for Scheduled Castes Development, Minority Welfare and Senior Citizen Welfare, on 3rd December, 2022 at Ravindra Bharati, Hyderabad.
- Sadras Bhavana received Dr. R. Seetharaman Best Ph.D Thesis Award in the International Conference - (ICSCI 2022) - System of Crop Intensification for Climate-Smart livelihood and Nutritional Security held in IIRR, Rajendranagar, 12th to 14th December, 2022 for the Ph. D. thesis work entitled "Characterization of Rice Genotypes for the degree of sensitivity to Photo and Thermo periods" carried out in the Department of Plant Physiology, College of Agriculture, Rajendranagar.
- Ms. M. Jwala Pranati, PhD student from Dept. of Genetics & Plant Breeding, College of Agriculture, Rajendranagar, Hyderabad, PJTSAU shared her perspective on the theme "How to make seed sector more attractive: A perspective from young talents in APAC" in the international platform of Asian Seed Congress held from 14th to 16th November, 2022 at Centara Grand & Bangkok Convention Centre at Central World, Bangkok.
- Final Year students Ravichandra, Yamini, Sravani, Haritha of College of Agricultural Engineering, Sangareddy received Best oral presentation entitled "Change Detection of Landuse and Landcover in Sangareddy using Google Earth Engine (GEE)"

in National Conference on Digital & Organic Interventions Towards Sustainable Agriculture, Horticulture and Animal Husbandry organized by Science & Tech Society Rural Improvement (S & T SIRI) in Collaboration with Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad on 15th and 16th October, 2022 at ICAR-IIRR, Rajendranagar, Hyderabad.

- A book on "Standard Operating Protocols (SOP's) for Drone Based Pesticide Application in Rice" was released by Sri T. Harish Rao, the Hon'ble Minister of Finance, Health, Medical and Family Welfare, Govt. of Telangana at Marigold Hotel, Ameerpet, Hyderabad during State Credit Seminar, NABARD, Telangana Regional Office, Hyderabad. Sri M. Raghunandhan Rao, the Hon'ble Vice Chancellor, PJTSAU, and Dr. R. Jagadeeshwar, Director of Research, PJTSAU also graced in the unveiling of the book.

Unveiling of the book by Sri T. Harish Rao, the Hon'ble Minister of Finance, Health, Medical and Family Welfare, Telangana

Events

Inter Polytechnic Sports, Games, Cultural and Literary meet

The Inter Polytechnic sports, games, cultural and literary meet was held at Agricultural College, Palem from 13th to 16th December, 2022. A total of 225 diploma students from 11 University Polytechnics of PJTSAU participated in the event. Agricultural Polytechnic, Tornala bagged the overall championship in boys category, while Agricultural Polytechnic, Tornala and Kampasagar bagged the overall championship in girls category and overall championship in cultural and literary activities was bagged by Agricultural Polytechnic, Palem.

The winning team of boys from Agricultural Polytechnic, Palem with their trophy

Celebrations

Rashtriya Ekta Divas run at Agricultural College, Sircilla and College of Agriculture, Rajendranagar

Agricultural Education day celebrations at College of Agriculture, Rajendranagar and Agricultural College, Warangal

Mahatma Gandhi Birthday celebrations at Agricultural college, Warangal

Celebration of Mahaparinirvan divas at Administrative office, PJTSAU

Clean india campaign.2 programme at Agricultural College, Jagtial

Constitution day celebrations at Agicultural College, Jagtial

Various events organised at KVK, Wyra and Agricultural Polytechnic, Tornala on the occasion of World Soil Day

Videos uploaded in PJTSAU Youtube Channel during October-December, 2022

- Profitable Mechanization in Groundnut
- *Rabi* Greengram and Blackgram Management Practices
- Best Management Practices in *Rabi* Maize
- Chilli Black Thrips Management
- Rice Diseases Management at Flowering
- Mechanisation in Major *Rabi* Crops
- Bengalgram Crop Management Practices
- Precautions to be taken by Farmers during Cotton Picking
- Precautions to be taken at Paddy Harvesting and Post Harvesting
- *Rabi* Groundnut Disease Management
- Honey Production - A Profitable Enterprise
- Leaf Miner in Groundnut Crop
- Cultivation of Summer Sesamum for Better Returns

Patron-in-Chief
Sri M. Raghunandan 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: pjtsau.editor@gmail.com
Printed at PJTSAU Press, Rajendranagar, Hyderabad -500030, Telangana State.
Pub.No.11/NL/PJTSAU/2022