



*Striving for a greener tomorrow...*

# PJTSAU

# NEWS



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## From the VC's Desk



India is experiencing change in two areas that promises to have profound impact on the economic and global leadership status of the country – Agriculture and Youth. With its youth population of 356 million, is likely to have the world's largest workforce by 2027, with one billion people aged between 15 and 64 years. Half of our population is under the age of 25 years and a large number live in rural areas. This demographic transition could be a game changer to exploit avenues for engaging them effectively in modern agriculture to sustain agriculture production, to meet with the demand of the increasing population. The increasing literacy rate in the rural youth makes them amenable to internet of things (IOT) based farming practices, much needed in the changing scenario of market demand based farming. A larger section of young people do not perceive a good future for themselves in agriculture due to low profitability and income in the traditional agriculture, and lack of infrastructure and required basic amenities in rural areas.

Current agriculture faces numerous daunting challenges such as: over-exploitation of natural resources (land, water and agrobiodiversity), a continued decline in factor productivity, costly inputs, low income and production uncertainties due to adverse effects of climate change coupled with waning interest of youth posing serious threats to sustain agricultural production and achieve sustainable development goals (SDGs) by 2030. Farming activities in India today are changing from a production for quantity goal to meeting the market oriented nutritionally dense food requirements of the global populace. There is also a need to address the disconnect between the producer, processor and the consumer, resulting in poor price realization for the farmer.

In this backdrop it is the ideal time to relook at the way agriculture is promoted – at all levels (school to higher education) to make it appealing to the youth of today – rural or urban – who are a powerhouse of creativity, vibrant energy, innovation and focused motivation. Several agripreneurship oriented programmes, ARYA (Attracting and Retaining Youth in Agriculture), READY (Rural Entrepreneurs and Awareness Development Yojana), NRLM (National Rural Livelihood Mission), Agricultural Skill Council of India (ASCI) have been launched by the Government to attract youth to agriculture. PJTSAU has been an active participant in these flagship programmes and has decided to host a two day Regional workshop on "Youth as Torch Bearers for Business Oriented Agriculture" in October 2019 specially targeting students of SAUs and allied Universities in South India. We hope this effort will inspire our students to explore avenues for enterprise development and dare to venture into paths less travelled.

*Dr. V. Praveen Rao*

Dr. V. Praveen Rao  
Vice Chancellor

## Second Term for Dr. V. Praveen Rao as Vice Chancellor, PJTSAU

After a happening first term, Dr. V. Praveen Rao was reappointed as the Hon'ble Vice Chancellor, PJTSAU for a second term of three years w.e.f. 26<sup>th</sup> July, 2019 under section 11(2) of Agricultural University Act, 1963 and assumed charge on 26<sup>th</sup> July, 2019. The faculty, staff and students congratulated the Hon'ble Vice Chancellor and look forward to climbing greater heights under his visionary leadership.



*Dr. V. Praveen Rao, the Hon'ble Vice Chancellor taking charge as VC, PJTSAU*

## New Initiatives

### New Residential Facility for Girls, “Krishnaveni” at Agricultural College, Palem

The newly constructed Girls Hostel “KRISHNAVENI” at Agricultural College, Palem was inaugurated by Sri S. Niranjan Reddy, the Hon'ble Minister for Agriculture, Cooperation and Marketing, Telangana state on 6<sup>th</sup> August, 2019. The hostel was constructed with a total outlay



*Inauguration of Girls Hostel at Agricultural College, Palem by Sri Singireddy Niranjan Reddy, the Hon'ble Minister for Agriculture, Cooperation and Marketing*

budget of Rs 4.9 crores in an area of 3000 sq m accommodating 83 students. The hostel has 28 spacious well ventilated rooms with an internal area of 224 m<sup>2</sup> and with a provision of special care room for sick students, Doctor room, TV hall, multipurpose hall, circular recreation space, shuttle and volley ball courts.

Dr. V. Praveen Rao, the Hon'ble Vice Chancellor in his address highlighted the achievements of the university and extended sincere thanks to the Government for extending financial support for infrastructure development. Speaking on the occasion Sri S. Niranjan Reddy, the Hon'ble Minister congratulated the University for securing 6<sup>th</sup> position among Agricultural Universities in the country. He advised the faculty to educate the undergraduates with a farmer centric approach. Sri Marri Janardhan Reddy, MLA Nagarkurnool in his address appreciated the efforts of the University in serving the farming community and promised to sanction land for college.

### Health and Fitness Drive for Student Well Being – Rajendranagar Campus Leads

The Health and Fitness Club at College of Agriculture, Rajendranagar initiated a fitness drive for the students on 16<sup>th</sup> August, 2019. Around 1000 students will get their health profile done at the renovated University Health Centre with a well equipped diagnostic lab. The Hon'ble Vice Chancellor Dr. V. Praveen Rao, in the launching ceremony stated that, the University is not only providing world class infrastructure in teaching and research activities but also a well equipped health center, sports center and gym facilities for the students to ensure good physical and mental health. Apart from student's health profiling, a diet plan for students shall be developed in the University hostels



*The Hon'ble Vice Chancellor inspecting the fitness drive*



consisting of a healthier menu, encourage to use the existing gym facilities, participate in marathon runs, jogging, sports, develop healthier habits, personal hygiene, promote healthier surrounding etc. He further added that, the health profile data base would be utilised to sensitize the students

on how to balance studies and health. Dr. D. Vishnu Vardhan Reddy, Dean of Student Affairs, Dr. J. Satyanarayana, Dean of Agriculture, Dr. Seema, Associate Dean, Dr. G. E. Ch. Vidya Sagar, Health Center Incharge, Medical Officers, staff and students participated in the event.

## Book Check in Made Easy at the Library (KMC)

The Radio Frequency Identification Self Check System (RFID) based Automatic Book Lending Machine services was inaugurated by Dr. V. Praveen Rao, the Hon'ble Vice Chancellor on 26<sup>th</sup> July, 2019 at the Knowledge Management Centre (KMC), PJTSAU. This new system combines security with efficient tracking of the materials in the library in addition to high speed inventorying and easy material handling. This new system would enable the users to borrow, return and renew their books and update the status of their account by using e-Card issued by KMC. The University Officers and Students participated in the inaugural program.



*Inauguration of RFID System at Knowledge Management Centre by the Hon'ble Vice Chancellor*

## Workshops, Conferences, Meetings & Seminars

### Interface Meeting of PPVFRA with Seed Sector- Regional Office to Come Up at PJTSAU

An interface meeting of Protection of Plant Varieties and Farmers' Rights Authority, Government of India with Seed Sector was held on 26<sup>th</sup> August, 2019 at University Auditorium, Hyderabad with an objective to create awareness on procedures for registering varieties under PPVFRA. Dr. R.C Agarwal, Registrar General, PPVFRA in his welcome address informed that a branch office of the authority would be opened shortly at the university after final approval from the Nodal ministry. He further informed that online filing will be available within next six months and the website of the authority would become dynamic. Dr. K.V. Prabhu, the Chairperson, PPVFRA in his address was happy to see the overwhelming response to the interface meeting and informed that procedures were streamlined so that intellectual property rights are granted to the authorized breeders. The Hon'ble Vice Chancellor, PJTSAU who chaired the meeting thanked the PPVFRA authority for choosing the University to host its branch office while stressing on the need to develop climate resilient varieties and data base of varieties through block chain technology.

Dr. T. K. Nagarathna and Dr. Ravi Prakash, Registrars,



*Dignitaries interacting with participants in the interface meeting*

PPVFRA enlightened the audience on new procedures adopted for plant variety registry and DUS testing procedures for varietal registration respectively, while Sh. Raj Ganesh, Legal Advisor, PPVFRA discussed current legal issues and answered the queries raised in the meeting. A total of 125 stakeholders from National Seed Association of India, Seedsmen Association, Seed industry, ICAR institutes and PJTSAU faculty participated and deliberated on new procedures of PPVFRA, DUS guidelines and legal issues related to seed sector.

## Hon'ble Agriculture Minister meets with Scientists of IRRI – Discussions on Enhanced Rice Productivity in the State

An interaction meeting with Sri S. Niranjan Reddy, the Hon'ble Minister for Agriculture, Cooperation and Marketing, Telangana State and the team of Scientists of International Rice Research Institute (IRRI), Philippines was organized on 27<sup>th</sup> August, 2019 at the University Auditorium, Rajendranagar as part of the project proposal “Improving Farmers Income and Nutrition Security in Rice – Based Agri – food system in Telangana” presented by Dr. Jacquelin Hughes, Deputy Director General (Research), IRRI.

The Deputy Director General (Research), IRRI said that the proposed project would focus on nutritional security of Rice based agro system, sustainable water management in agriculture, development of stress tolerance, provide mechanization and post harvest business models, capacity building and knowledge exchange to the scholars, staff and farmers of the State. She further projected an increase in income along with increased yield in rice and pulses with the implementation of the project.

Sri S. Niranjan Reddy in his address stressed the need to implement water saving and time saving technologies in rice cultivation in the State. He further reiterated that the



*Sri S. Niranjan Reddy, the Hon'ble Agriculture Minister honouring Dr. Jacquelin Hughes, Deputy Director General (Research), IRRI*

Hon'ble Chief Minister has allocated 20 thousand crores to the agriculture sector and implemented several welfare schemes to make agriculture profitable to the farmers in the State.

Dr. V. Praveen Rao, the Hon'ble Vice Chancellor opined that the proposed project of IRRI would provide world class infrastructure, capacity building and international exposure to the staff of PJTSAU if materialized. Dr. Aravind Kumar, Director, IRRI, Varanasi Center, Several IRRI scientists, Dr. R. Jagadeeshwar, Director of Research, Several scientists from PJTSAU, University

## Vice Chancellor's Participation

**Dr. V. Praveen Rao, the Hon'ble Vice Chancellor participated in**

- Meeting of Peer Review Team (PRT) for Accreditation of School of Agriculture, ITM University, Gwalior, M.P on 21<sup>st</sup> and 22<sup>nd</sup> July, 2019.
- Technical Review workshop of NICRA partner Institutes under Natural Resource Management at NASC, New Delhi on 25<sup>th</sup> July, 2019.
- 3<sup>rd</sup> meeting of the CII Telangana State Council on 8<sup>th</sup> August, 2019 at Taj Krishna, Hyderabad
- Brainstorming Session on “Zero Budget natural farming – Myth or reality” under the Convenership of H.S. Gupta, Former Director General (BISA) on 21<sup>st</sup> August, 2019 at NAAS Complex, New Delhi.
- Inaugural session of International conference on Agriculture and Animal Husbandry as distinguished guest held on 28<sup>th</sup> August, 2019 at University of Hyderabad, Gachibowli, Hyderabad
- Review workshop on “GHG Emission studies and future planning” conducted by NICRA at ICAR-NRRI, Cuttack on 29<sup>th</sup> August, 2019.

- Inaugural session of 7<sup>th</sup> Edition of AGRITEX 2019, International Conference and Exhibition on Agriculture & Horticulture as Guest of Honour held on 5<sup>th</sup> September, 2019 at HITEX Exhibition Centre, Hyderabad.

### Faculty and Student Participation - In training programs, conferences and seminars overseas.

- Dr. M. Sreenivasulu, Professor, Dept. of Agril. Extension, College of Agriculture, Rajendranagar and Sri Parimal Kumar, Scientist, Dept. of Agronomy, RARS, Palem were nominated for collaborative research work on development of *Gyan Kisan* Mobile App for PJTSAU at Western Sydney University Australia from 19<sup>th</sup> August to 11<sup>th</sup> November, 2019.
- Dr. A.V. Ramanjaneyulu, Senior Scientist (Agronomy) & Head, Agricultural Research Station, Tornala underwent one month training course on “Grain processing and storage technology for India” at Yuan Longping High-tech Agriculture Company Limited, Changsha City, Hunan Province, China from 28<sup>th</sup> August to 26<sup>th</sup> September, 2019.



- Mrs. Supraja, Assistant Professor, College of Community Science along with Ms. B. Neeharika and Ms. J. Prasoon, M.Sc. students, College of Community Science, Saifabad and Ms. D.R. Pravalika and Ms. V. Mounika, M.Sc.(ABM) students, College of

Agriculture, Rajendranagar were deputed to undergo IARD 402/602 short course under International Agriculture and Rural Development Programme at Cornell University, Ithaca, New York, USA from 14<sup>th</sup> September to 1<sup>st</sup> October 2019.

## Collaborations

### University of Peradeniya, Sri Lanka and PJTSAU to work together in Agriculture Extension

PJTSAU entered into a collaborative agreement with University of Peradeniya, Sri Lanka on 4<sup>th</sup> September, 2019 to improve scientific and educational level and further promote and intensify the academic cooperation between the two institutes. The main objective of the collaboration is mutual cooperation in the field of agricultural extension, faculty exchange and capacity building. Dr. Jayawardhane, Head, Faculty of Agriculture, University of Peradeniya, Dr. V. Praveen Rao, the Hon'ble Vice Chancellor, PJTSAU, University officials of PJTSAU participated in the MoU ceremony.



*Dr. Jayawardhane, Head, Faculty of Agriculture, University of Peradeniya, Sri Lanka signs MoU with PJTSAU*

### University of Florida and PJTSAU to Work Hand in Hand

Furthering the prospects of international collaboration in the areas of research and education, PJTSAU entered into a cooperative agreement with University of Florida, USA on 4<sup>th</sup> September, 2019. As part of

the agreement the two institutes will have mutual collaboration in exchange of faculty and students in academic and research and also plan specific projects that contribute to society.

### SNIST and PJTSAU Focus on Advanced Technologies in Agriculture

PJTSAU with a vision to incorporate the latest advanced engineering technologies for the benefit of farming community inked a collaborative agreement with Sree Nidhi Institute of Science and Technology (SNIST) to collaborate in academic programmes, R&D through innovation, entrepreneurship and training in various fields of common interest. The Hon'ble Vice Chancellor, PJTSAU opined that incorporation of technologies like artificial intelligence, big data analytics and drones in agriculture would cut down the cost of cultivation thereby ensuring better income to the farmers. On the occasion, SNIST team demonstrated a drone developed by their institute which can be used for spraying and other agricultural operations. Dr. P. Narasimha Reddy, CEO, SNIST, Dr. Ameet Chavan,



*PJTSAU inks MoU with SNIST*

Dean, SNIST and University officers of PJTSAU were witness to the signing of agreement.

## Capacity Building

### Pre-seasonal Training Programme to Farmers

Agricultural Research Station (ARS), Adilabad conducted a one day Pre-seasonal training programme on 19<sup>th</sup> July, 2019 under IRM project “Dissemination of pink bollworm management strategies” in Cotton at Ponnari Village of Tamsi Mandal, Adilabad district. As part of the programme awareness was created to the farmers mainly on measures to reduce pink bollworm incidence in Cotton, in addition to seasonal pest & disease diagnosis in Cotton, Soybean & Redgram crops, drought mitigation strategies, fertilizer and weed management in Cotton; stem fly & stem girdler management in Soybean and Nutrient management in Redgram. Scientists of ARS, KVK and DAATTC, Adilabad, Mandal Agricultural Officer (MAO), Tamsi & concerned AEOs, public representatives of village, MPTC, RSS Chairman, PACS Chairman and 50 farmers participated in the programme



*Scientists from ARS, Adilabad creating awareness to farmers on pink bollworm management in cotton*

### TSP beneficiaries trained on Rice Production Technologies



*ADR, RARS, Warangal distributing inputs to beneficiaries*

A Rythusadassu was organized as part of Tribal Sub plan project sponsored by Indian Institute of Rice Research, Hyderabad, 2018-19 on 1<sup>st</sup> August, 2019 at Peddathanda, Ratnagiri, Bhimadevarapalle mandal, Warangal (Urban) district by RARS, Warangal. Farm inputs worth Rs. 2,69,175/- were distributed to 40 beneficiaries in this programme. Dr. P. Jagan Mohan Rao, ADR in his address emphasized on the mechanized planting in rice. Dr. S. Malathi, Principal Investigator, TSP explained the pest management strategies in Rice. In addition scientists of RARS, Warangal explained best management practices in rice and cotton in the presence of Sri V. Satish Babu, the Hon'ble MLA, Husnabad.

### Short Horned Grasshopper Ravages Maize Farms in Siddipet



*Farmers and Scientists interaction on incidence of short horned grasshopper at Ghanapur village*

The incidence of short horned grasshopper in Ghanpur and Thoguta mandals of Siddipet district caused severe damage to maize. The incidence was first reported from Govardhanagiri village in Thoguta mandal in maize on 11<sup>th</sup> September, 2019. The crop was completely defoliated with only mid ribs left behind. Generally nymphs/hoppers feed on border rows, only adults (5<sup>th</sup> or 6<sup>th</sup> instar became adult) move inside the field. Life cycle lasts around 60-70 days. Eggs are laid in soil generally in grass lands or pastures. The farmers found it very difficult to control the pest. A team of scientists Dr. G. Anuradha, Dr. M. Lavakumar Reddy and Dr. D. Sreelatha from Maize Research Centre, PJTSAU, Dr. P. Lakshmi Sowjanya, Senior



Scientist, IIMR- Winter Nursery, Dr. J. Spandana, Scientist (Extn.), DAATTC, Sangareddy and Dr. Sravanti, Scientist (Agro), ARS, Tornala along with J. Mohan, MAO and Sri Devendar, AEO, of Ghanpur visited the fields and recommended spraying of Chlorpyrifos @ 2.5 ml/l of

water in infested fields, on border rows to protect the surrounding crop, arranging light traps to bait the insects and identify brooding/breeding sites well in advance (June-October) and adopt control measures to arrest the pest population in case of recurrence of the problem.

## Training cum Demonstrations on MSRI



*Dr. Jagannathan Rao, ADR, RARS Warangal demonstrating modified mat nursery in rice*

Training cum field demonstrations were organized on “Modified mat nursery and tray nursery in machine transplanting of rice” in various institutes of the varsity. Fifty to 70 farmers benefited from the training programmes conducted at Rice Research Centre, Rajendranagar, RARS & KVK, Palem and RARS, Warangal during 22<sup>nd</sup> and 23<sup>rd</sup> August respectively.

## Brainstorming on Precision Agriculture – A Soil Conservation Society of India-Hyderabad Chapter Initiative

A brainstorming session on “Precision Agriculture: Perspectives and Strategies for Enhancing Resource Use Efficiency in Semi-Arid Regions” was organized by Soil Conservation Society of India-Hyderabad chapter in association with PJTSAU at Water Technology Center on 21<sup>st</sup> August, 2019.

Dr. K. Srinivas Reddy, Principal Scientist & Convener of Soil Conservation Society of India, Hyderabad Chapter; CRIDA briefed the importance of farm machinery, geo spatial & sensor based applications on yield maximization with optimum input application in agriculture sector. He stressed the need of precision farming in developing countries especially in semi-arid areas, where spatial variability is noticed at every farm which is in turn linked to economic crop production.

Sri L. Venkat Rami Reddy, Commissioner of Horticulture, Govt. of Telangana and the Chief guest suggested measures like discouraging of water guzzling crops like Banana, Sugarcane, Paddy etc, and raising of short duration crops, low water requirement crops like vegetables, pulses etc, development of water harvesting structures like percolation tanks, continuous contour trenches, making of farm ponds etc. and adoption of micro irrigation for all crops to conserve water. He further stressed the need to standardize water harvesting structural designs for adaption by small and marginal farmers and research on alternative crops and ID crops, wet & dry paddy, seed drill sowing method etc.



*Lighting of the lamp by the dignitaries at the brainstorming session*

The sessions on themes viz. Enhancing field and water use efficiency by farm mechanization, Precision Water management systems - Strategies for enhancement of IWUE and soil health, Synergistic use of technologies for precision agriculture, Precision micro irrigation systems and Crop, Water and Nutrient management aspects of Precision Farming were organized as part of brainstorming session in which Dr. Indra Mani Mishra, Head, Division of Agricultural Engineering, IARI, New Delhi, Dr. Man Singh, Head, Water Technology Center, ICAR-IARI, New Delhi, Dr. C.S Murthy, Scientist 'G' & Head, Agricultural Sciences and Application Division, NRSC, Hyderabad, Dr. T.B.S. Rajput, Ex. PD, Emeritus Scientist, IARI, New Delhi, Dr. V. Ramulu, Principal Scientist, PJTSAU and Dr. Sridhar, Infosys were the lead speakers.

## Need for Safe handling of Pesticides – PJTSAU Makes Farmers Aware

An awareness programme on “Safe handling of pesticides” was conducted by AINP on Pesticide Residues at Tholkatta village, Moinabad Mandal and Ruyyadi village, Talamadugu mandal, Adilabad district on 16<sup>th</sup> and 31<sup>st</sup> August, 2019 respectively wherein the farmers were apprised on appropriate dose of pesticides, use of personal protective clothing while spraying, decontamination methods and safe waiting periods before harvesting the produce.

Another programme on “Safe use of Pesticides and Decontamination methods” was conducted at Govt. High School, Rajendranagar on 29<sup>th</sup> August, 2019 to enlighten on the need of pesticides and ways to handle them safely in the field and precautions to be taken while spraying. The students were also informed about the pesticide residues in



*Scientists from AINP on Pesticide residues interacting with farmers at Tholkatta village, Moinabad Mandal*

food and the various decontamination methods to reduce the residue content.

## Promoting Farm Mechanisation in Maize – MRC, PJTSAU Does its Part

The Maize Research Centre, PJTSAU conducted large scale demonstration in an area of 80 acres under Net Work Project on “Mechanization in Maize” in collaboration with, DAATTC Centre, Warangal, AICRP on Farm implements & Machinery Scheme at Gorrekunta and Malkapur villages of Warangal district during *Kharif* 2019. The vacuum precision planter for sowing and combined harvester for harvesting were demonstrated to motivate the farmers for adoption of mechanization in maize cultivation. A field demonstration was organized on vacuum planter in maize at Malkapur village, Ghanpur mandal, Warangal district on 17<sup>th</sup> July, 2019. The Farmers expressed satisfaction on performance of pneumatic planter as the seed were spaced equidistantly with optimum placement of fertilizer. The scientists of MRC, Farm implements and machinery, WNC,



*Scientists from Maize Research Centre, Rajendranagar demonstrating mechanised sowing in maize*

IIMR, Hyderabad, Department officials, village level officers, technicians of John Deere Company and nearly 70-80 farmers participated in the programme.

## Distinguished Visitors

### Dr. Bopper Sebastian Shares his Experiences on Seed Science

Dr. Bopper Sebastian, Academic Professor, Institute of Plant Breeding, Seed Research and Population Genetics, University of Hohenheim, Germany visited PJTSAU on 1<sup>st</sup> July 2019 and interacted with Hon'ble Vice Chancellor and other University Officers. An interaction meeting on “Sharing of experience on Advanced Techniques in Seed Science” was also held at Seminar Hall, Department of Genetics and Plant Breeding, College of Agriculture, Rajendranagar for the benefit of PG and Ph.D students of different departments.



*Dr. Bopper Sebastian with University staff*



## IAS Trainees Interact on Boosting Agriculture in the State

A team of seven Telangana cadre trainee IAS officers visited University on 8<sup>th</sup> July, 2019 and interacted with University officials on Agricultural situation in the State. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor stressed on effective water management practices and the need to encourage farmers to cultivate paddy under drip irrigation. He threw light on the various initiatives taken by the University such as mandal level soil fertility maps for effective soil health management and food consumption pattern for micro-level crop production planning at farmer's level. The trainee officers in their interaction enquired about the possibility of replication of Ankapur seed village model in the entire State.



*IAS probationers interacting with University officials*

## TSPCB Officials visit NDPIC



*Ms. Lakshmi Pooja Sanku interacting with Sri V. Anil Kumar IAS, Member Secretary, TSPCB*

Sri V. Anil Kumar IAS, Member Secretary, Telangana State Pollution Control Board (TSPCB), Govt. of Telangana and Sri Murali Mohan, Chief Environmental Officer, TSPCB visited Natural Dye Processing and Incubation Centre at Rajendrangar on 12<sup>th</sup> August, 2019 to review the progress of work order placed worth of Rs. 39.49 lakhs by TSPCB towards the supply of 13.11 tonnes of natural dye paints (8.19 tons of white and 4.92 tons of colour) for painting of 1.64 lakhs 8 inches idols and supply of 15 idols each of 5 feet and 3.5 feet idols painted with natural dye paints. The officials interacted with Ms. Lakshmi Pooja Sanku, Principal Investigator of project, staff and AELP students and expressed satisfaction with the progress of the production of paints and painting clay Ganesh Idols at the Centre.

## Vice Chancellor Apprised the Hon'ble Governor of Telangana and Chancellor, PJTSAU about University Activities

Dr. V. Praveen Rao, Vice Chancellor, PJTSAU met the newly appointed Hon'ble Governor of Telangana State Dr. Tamilisai Soundarajan at Raj Bhavan on 17<sup>th</sup> September, 2019 and explained the activities of the University in teaching, research and extension. He informed her about the university rankings awarded by ICAR, NIRF etc. He further explained about the linkages of the University with various national and international organizations, Student exchange and capacity building programs.



*Dr. V. Praveen Rao explaining University activities to the Hon'ble Governor, Telangana state*

## Exposure Visit

### Visit to Peoples' Republic of China – Acquainted with Grain processing and Storage technology

Dr. A.V. Ramanjaneyulu, Senior Scientist, ARS, Tornala was deputed to training course on “Grain Processing and Storage Technology for India” organised by the Yuan Longping High-tech Agriculture Co. Ltd., at Changsha city, Furong district, Hunan Province, China from 28<sup>th</sup> August to 26<sup>th</sup> September, 2019. As part of the training programme they were acquainted with Chinese Agriculture and primary processing technology for rice, warehouse technology, overview of food quality standards and post-harvest grain safety problems, rice deep processing technology, rice quality evaluation and inspection technology and application of high efficiency equipments in grain storage and transportation, IT enabled automation of processing technology and utilization of by-products of rice, maize and wheat, standards and procedures of maize variety (hybrid) certification and hybrid rice technology in China. Exposure visits were organized to advanced rice processing and packing facilities, National Engineering Laboratory for wheat and corn processing, China's grain museum and few food industries at Zhengzhou of Henan



*Trainees at Chinese National Hybrid Rice Research centre, Changsha*

province, Gaoqiao Breeding experimental base dealing with rice research, Hunan Grain group, Chen Liang Ji rice processing machinery company Ltd., Xiang Liang mechanical grain and oil machinery company Ltd., Yuan Jiang Shi Mi Zhi Chun Rice Industry Co. Ltd., Henan Tianxiang group and Tofoto company, Sinograin company which have mega storage and processing facilities.

## Awards & Honours

- The University secured 6<sup>th</sup> Position amongst Agricultural Universities in the Country in the University Ranking of Agricultural Universities by the Indian Council of Agricultural Research (ICAR), New Delhi for the year 2018.



*Certificate of Ranking of Agricultural Universities 2018*

- PJTSAU secured 79<sup>th</sup> Position in MHRD - National Institute Ranking Framework (NIRF) for the year 2019 as adjudged by the Ministry of Human Resource Development, Government of India.

- The University secured 30<sup>th</sup> Rank during 2019 in INDIA TODAY survey of the Universities in the Country and secured 46<sup>th</sup> Rank in OUTLOOK - ICARE INDIA UNIVERSITY RANKINGS 2019.
- Six faculty members of the University Dr. B. Neeraja Prabhakar, Professor (Horticulture), Dr. Radhika, Assoc. Professor (SABM), Dr. T. Uma Maheswari, Professor (Entomology), College of Agriculture, Rajendranagar; Dr. Aparna Kuna, Assoc. Professor,



*State meritorious Teacher Awardees at Award ceremony on the occasion of Teachers day*



Quality Control Laboratory, Rajendranagar, Dr. M. Shanti, Professor, Agricultural College, Sircilla and Dr. R. Sudhakar, Professor (Academic), O/o Dean of Agriculture, PJTSAU received State Meritorious Teachers Award for the year 2019 from the Govt. of Telangana on 5<sup>th</sup> September 2019 at Ravindra Bharathi, Hyderabad on the occasion of Teachers Day

- *Krishi Vigyan Kendra*, Palem, Nagarkurnool district has been adjudged as the “Best Water Conservation Institute” by the NABARD in Telangana state for the efforts made on creating awareness on harvesting, conservation and judicious utilization of rain water as well as underground water in farming.
- Dr. M. Jagan Mohan Reddy and Dr. J. Hemanth Kumar, Programme Co-ordinators, KVK, Palem and Wyra respectively received Best Scientist Award on the occasion of 15<sup>th</sup> Annual Celebrations of *Rythunestam* farm magazine on 22<sup>nd</sup> September, 2019 at Swarna Bharathi Trust, Muchintal, Shamshabad.
- Dr. B. Savitha, Asst. Director of Extension, Admin. Office, PJTSAU received best oral presentation award in the 4<sup>th</sup> International Conference on Agriculture and Animal Husbandry in Theme: “Advances in Agriculture & Animal Sciences towards Global Food Security”, held on 28<sup>th</sup> to 30<sup>th</sup> August, 2019 at University of Hyderabad, Hyderabad
- On the occasion of Independence day Dr. O. Sampath, Assistant Professor, Agricultural College, Jagtial, Mr. B. Shiva, SMS (Horticulture) , KVK, Kothagudem, Smt. P. Sri Ranjitha, SMS (Crop Production), KVK, Wyra,

Smt. A. Sarala Kumari, Programme Coordinator, Dr. N. Kishore Kumar, SMS (Extension) and Dr. E. Rambabu, SMS (Horticulture), KVK, Malyal, Dr. RVT. Balazzii Naaiik, Programme Cooridnator, KVK, Rudrur, Dr. S. Naveen Kumar, Coordinator, DAATTC, Nizamabad and Sudha Rani, Scientist (Crop Production), DAATTC, Rangareddy received Best Employee Award 2019.

- Dr. T.V.N. Padmavathi, Assistant Professor, Dept. of Food Safety & Quality Assurance received Best Assistant Professor award by G.R. Memorial Welfare Society, Nizamabad.
- Ms. K. Padmasree and Ms. G. Tulasi won medals and appreciation certificate from G.R. Memorial Welfare Society, Nizamabad, Telangana State for securing high grades in academics.
- V. Manasa Reddy and Mr. G. Ashok, Students and Sri C. Ramanjaneyulu, Coach of Agricultural College, Jagtial received Appreciation certificates from Sri K. Eshwar, the Hon'ble Minister for Backward classes in the presence of District Collector during Independence Day celebrations on 15<sup>th</sup> August, 2019.
- Ms. N. Pavani, Ph.D Scholar, Dept. of RMCS, College of Community Science, Saifabad received a merit award for Best presentation for the paper presented on 'Cheriyal Paintings Past and Present status in Employment Opportunities' in a National Seminar on 'Role of Community Science Education in Rural Development' at GBPUAT, Pantnagar on 21<sup>st</sup> and 22<sup>nd</sup> of August, 2019.

## Girl Power at its Best- Manasa's Trajectory Towards Victory

Ms. V. Manasa Reddy hailing from Agricultural College, Jagtial with her untiring efforts brought laurels to the University. She credits her parents Sri V. Shekar Reddy working in the Dept. of State Disaster response and fire services and Smt. V. Vijitha, house wife for her success. Her journey in sports started at an age of 8 yrs when she joined in Gymnastics at Saroornagar Indoor Stadium, Hyderabad followed by Jawaharlal Nehru Indoor stadium, Hanmakonda. She first participated at state level competitions during Class VI and won two bronze medals.

Her journey in sports continued at Agricultural College, Jagtial under the tutelage of Sri Ch. Ramanjaneyulu under whose guidance she has won gold medal at state level events held at L B Stadium, Hyderabad and Silver medal at National Level events held at Delhi during 2017. In 2018 she again received two gold medals at State level events



*Ms. Manasa Reddy at 4<sup>th</sup> International Turkish kick boxing Tournament -2019 with bronze medal*

held at Jiyaguda, Hyderabad and one gold and one silver medal at National level events held at Kolkata. Finally a major milestone in her career was achieved during 2019 by receiving one silver and one bronze medal in 4<sup>th</sup>

International Turkish kick boxing Tournament -2019 held at Antalya, Turkey justifying the University patronage.

She has received Certificate of Appreciation from the District Collector on the occasion of Telangana Formation day during the Year 2018 and 2019. The University has also

acknowledged her talent with a cash prize of Rs 2000 and a Certificate of Appreciation on the Fourth University Foundation day, 2018. She has specially acknowledged the Hon'ble Vice Chancellor, Registrar, Dean of Student Affairs, Associate Dean and Faculty of Agricultural College, Jagtial and coach for their support in achieving this success today.

## Institutional Activities - Show of Reverance and Responsibility

### Harithaharam

The Telanganaku *Harithaharam* programme organized by NSS units of the University was inaugurated by Dr. V. Praveen Rao, the Hon'ble Vice Chancellor on 31<sup>st</sup> July, 2019 at Sports complex, Rajendranagar. The Hon'ble Vice Chancellor along with Dr. A. Manohar Rao, Member, Board of Management, University officers, staff and students of College of Agriculture, Rajendranagar actively participated in the program and took up plantation of silver oak plants. All the constituent institutes of the University organized *Harithaharam* programme with active participation of staff and students in their respective campuses.



*Harithaharam at Agricultural College, Palem*

### Swachhata Pakhwada

*Swachhata Pakhwada* fortnight was observed at Agril. Colleges, Rajendranagar, Aswaraopet, Sircilla and Jagtial involving NSS volunteers from 1<sup>st</sup> to 15<sup>th</sup> August, 2019. The NSS volunteers carried out various activities like



*Students of Agricultural College, Sircilla actively involved in Swachhata Pakhwada*

cleaning of college premises, hostels, various grounds of the college, lawn, bus stand, hospital etc., as part of the programme besides organizing a seminar on *Swachhata* and awareness rally.



*Students of College of Agriculture, Rajendranagar cleaning the premises*

### Jal Shakti Abhiyaan

*Jal Shakti Abhiyaan* was introduced with a mission to increase water security in the country by adopting water conservation technologies and minimize wastage of water. The ATARI Zone X identified KVK Adilabad, Rudrur, Wyra, Kampasagar, Malyal and Palem to implement *Jal Shakti*

*Abhiyan*. The first phase of JSA was implemented from 1<sup>st</sup> July to 15<sup>th</sup> September, 2019 during which KVK's organized block level kisan melas in their jurisdiction to create awareness among all stakeholders including farmers on water conservation and rain water harvesting.



NSS unit of Agricultural College, Aswaraopet and Sircilla along with staff and students, farmers and residents of different villages where Agricultural students were allotted for RAWEP participated in “Jal Shakthi Abhayan” programme. Faculty created awareness on importance of water and various methods of water conservation viz., sink pits, farm ponds, new technologies in rain water harvesting etc.



*Jal shakti Abhiyaan organized by KVK, Wyr*

## Parthenium Awareness Week

Parthenium Awareness Programme was conducted in all the constituent institutes of the varsity during 16<sup>th</sup> to 22<sup>nd</sup> August, 2019 as part of Parthenium awareness week celebrations to students and farmers to create awareness about the menace of Parthenium, which is responsible for causing health problems in human beings and animals, besides deteriorating environment, loss of productivity and biodiversity. The NSS volunteers in various campuses took an oath that they would continue to create awareness on the ill effects and strive for the eradication of the weed. They exhibited the placards and took out a rally on the occasion and uprooted all the parthenium plants in their premises.



*Staff and students in Parthenium Awareness at Agricultural College, Warangal*

## National Handlooms Day Celebration

NSS units of Agricultural College, Warangal with the help of “Gandhi Global Family” celebrated National Handlooms Day on 7<sup>th</sup> August, 2019 at Sri Harsha Techno Residential School at Damera village with an objective to create awareness and highlight the handloom art and technology in the young generation of society. NSS units with the help of school children in Mahatma Gandhiji's outfit organized a massive procession and a pledge taking event. NSS Program officers addressed the gathering highlighting the Swadeshi movement and necessity of empowering weavers of the future to raise the Handloom industry to its old glory. NSS volunteers expressed their commitment to use handloom and eco friendly products in



*Rally by students of Agricultural College, Warangal as part of National Handlooms day*

future along with the school children by holding placards and slogan chanting and made the event a grand success.

**JOURNAL**



## THE JOURNAL OF RESEARCH, PJTSAU

The Journal of Research, PJTSAU mainly publishes Research articles, Review articles & Research notes in Agriculture and allied sciences at quarterly interval. The articles for this journal may be submitted online at URL: <http://thejournalofresearchpjtsau.com>. Please log on to the website for author guidelines and manuscript submission.



## National Librarian's Day

The National Librarian's Day was celebrated on 9<sup>th</sup> August, 2019 at Knowledge Management Centre, PJTSAU, Hyderabad on the occasion of 127<sup>th</sup> Birthday of Padmasree Dr. S. R. Ranganathan, Father of Library and Information Science in India. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor, Dr. S. Sudheer Kumar, Registrar, Dr. K. Veeranjanyulu, University Librarian, Dr. D. Rama Rao, Emeritus Scientist, Mr. N.P. Ravi Kumar, Assistant Professor and Staff of Knowledge Management Centre participated in the programme and offered floral tributes.



*The Hon'ble Vice Chancellor paying floral tribute to Padmasree Dr. S. R. Ranganathan*

## Prof. Jayashankar Birth Anniversary Celebrations

PJTSAU and all its constituent institutes celebrated the 85<sup>th</sup> Birth Anniversary of Prof. Jayashankar on 6<sup>th</sup> August, 2019. The Staff and Students paid floral tributes to this legend and remembered his valuable contributions towards formation of Telangana State. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor and other University Officers participated in the celebrations at the University Campus, Rajendranagar, Hyderabad.



*Prof. Jayashankar Birth anniversary Celebrations at ARS, Madhira*

## 73<sup>rd</sup> Independence Day Celebrations

PJTSAU proudly celebrated the 73<sup>rd</sup> Independence Day on 15<sup>th</sup> August, 2019 at all constituent Colleges, Research Stations, Extension Units, in a befitting manner and recalled the sacrifices made by our freedom fighters. Dr. V. Praveen Rao, the Hon'ble Vice Chancellor unfurled the national flag at University Sports Complex, Rajendranagar and in his address urged the students and scientists to utilise the modern information communication technologies for ensuring better services to the farming community and highlighted the efforts put forth by the University to develop international standard infrastructure in teaching and research areas for achieving better results. University Officers, Students, Teaching and Non Teaching staff attended the celebrations.



*Dr. V. Praveen Rao, the Hon'ble Vice Chancellor paying salute to the national flag*

## University Foundation Day

The Fifth Foundation day of the University was celebrated on 3<sup>rd</sup> September, 2019 at University Auditorium, Rajendranagar. Sri Singireddy Niranjan Reddy, the Hon'ble Minister for Agriculture, Cooperation, and Marketing, was the Chief Guest and in his address stressed on the need for special focus on agricultural education and research and development of varieties suitable for cultivation in the State. He informed that under the visionary leadership of the Hon'ble Chief Minister



*Dr. Rajeev K. Varshney delivering Commemorative address*





*The Hon'ble Minister honouring the farmer*

Sri K. Chandrashekar Rao the government has introduced several schemes like *Rythubandhu*, *Rythubheema*, 24 hours free power for the benefit of farmers. He further informed that government has constructed several irrigation projects to provide irrigation water to the farmers and ensure agriculture as a profitable enterprise in the state thus serving as a role model to other states in the country. The Hon'ble Minister applauded the Vice Chancellor for achieving 6<sup>th</sup> rank at All India level and urged to put in efforts for attaining international recognition in the areas of agricultural education and research.

Dr. Rajeev K. Varshney, Research Program Director, Genetic Gains and Centre of Excellence in Genomics and System Biology, ICRISAT delivered Prof. Jayashankar Commemorative address on "Global Innovations in Agriculture to feed 1.7 billions in India". He informed that food requirements of the country would be around 358 million tons by the year 2050, hence there is an urgent need to develop high yielding, biotic and abiotic stress tolerant varieties by adopting speed breeding techniques and global innovations in agricultural sector. He emphasized the need to reduce the yield gap in farmers field by adopting latest technologies and further suggested strengthening the present seed system, adoption of innovative irrigation



*Sri S. Niranjan Reddy, the Hon'ble Minister, Telangana State addressing the gathering*

systems and crop management techniques, control post harvest losses, value addition and utilization of ICT's in Agricultural Extension for strengthening transfer of technology in agriculture.

Dr. V. Praveen Rao, the Hon'ble Vice chancellor presented the report of University activities and accomplishments for the year 2018-19. He informed that several reforms initiated in Teaching, Research and Extension has helped in University ranked as one of the best Agricultural Universities in the Country.

The awards and meritorious certificates were distributed to the progressive farmers, best institutes, Teaching and Non teaching staff and students. Dr. Khadar Valli, the millet food proponent and Sri Y. Venkateswara Rao of "*Rythu Nestham*" were felicitated on the occasion, while Dr. Rajeev Varshney received the "PJ TSAU Life Time Achievement Award". Agricultural College, Aswaraopet was awarded with PJ TSAU - Best College Award, Regional Agricultural Research Station, Jagtial was awarded with PJ TSAU- Best Research Centre Award, *Krishi Vignan Kendra*, Adilabad was awarded with PJ TSAU Best Extension Centre Award and Agricultural Polytechnic, Palem was awarded with PJ TSAU - Best Polytechnic Award.



*Dr. Rajeev K. Varshney honoured by The Hon'ble Minister, Telangana State with PJ TSAU Life Time Achievement Award*



*Associate Director of Research, RARS, Jagtial Dr. R. Uma Reddy receiving Best Research Centre Award*



CRI pump sponsored Best Farmer Awards were awarded to Sri E. Veerabhadra Rao from Nalgonda district for Mechanization in Agriculture, Smt. Rupreddy Laxmi from Karimnagar for achievement of highest yields in Agriculture, Sri M. Kurumaiah from Nagarkurnool for Dry land agriculture and Sri Basireddy Srikanth Reddy for Improved water management technology. Smt. C. Ramulamma and Sri G. Chandrasekhar Reddy from Khammam, Smt. B. Lakshmi and Sri D. Srinivasulu from Nagarkurnool, Smt. N. Anasuya from Nizamabad, Sri T. Papa Rao from Bhadrachalam, Sri A. Malla Reddy from Peddapalli, Sri K. Arun Kranthi from Jagtial and Sri Sk. Chand Pasha from Nalgonda received PJTSAU- Best Progressive Farmer Awards. The publications namely Agro Technologies 2018, PJTSAU Promising varieties 2014-18, Technical programme of research work 2019-20 constituting list of experiments of NTZ, CTZ and STZ, List of technical programmes of KVK's and DAATTC's 2019-20 were

released on the occasion. The brochure of the upcoming event INSPIRE, a Regional workshop on "Youth as Torch Bearers of Business Oriented Agriculture in South India" scheduled to be held on 21<sup>st</sup> and 22<sup>nd</sup> October, 2019 was released.



*Associate Dean, Agricultural College, Aswaraopet  
Dr. C. Narendar Reddy receiving Best College Award*



*Principal, Agricultural Polytechnic, Palem Dr. M. Anuradha  
receiving Best Polytechnic Award*



*Programme Coordinator, KVK, Adilabad Dr. Y. Praveen receiving  
Best Extension Centre Award*



*Sri Y. Venkateswara Rao honoured by the Hon'ble Minister,  
Telangana State*



*Dr. Khadar Valli honoured by the Hon'ble Minister, Telangana State*

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