

IAUA



NEWS

QUARTERLY NEWSLETTER OF INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

Volume 19 No. 2

April - June, 2019

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Focus on Universities: Events and Achievements

Universities

CHAUDHARY CHARAN SINGH HARYANA AGRICULTURAL UNIVERSITY, HISAR

- The CCSHAU has again stood first among other universities of Haryana. In the National Institutional Ranking Framework (NIRF) the results announced by the Ministry of Human Resource Development (MHRD), this University secured the position among top 100 universities at national level.
- The CCSHAU and Netherlands Embassy in India are working together for a permanent solution for paddy straw. In this regard, a four-member delegation from the Embassy of Netherlands, led by Mr Siebe Schuur, Counsellor for Agriculture, Nature and Food Quality, visited Hisar on 14 April. 2019.

College of Fisheries

It was decided to establish this college at Hisar campus, to impart education and training to the youth for developing skills in various areas of fisheries science, to cater to the needs of agriculture and for self-employment. This fisheries college will serve the needs of fish farmers of northern India and will generate skilled human resource for ever-growing fish sector. In Haryana about 2,000 ha area is under brackish water.

Institute of Business Management and Agripreneurship

This institution will improve the skills of young aspirant students of the country, by offering various management oriented courses in agribusiness, business management and entrepreneurship development. The mandate of the institute is to build and sustain the relationship between the farming community and the professional agencies involved in it through blend of experts of agriculture, management and allied fields, and the visiting scientists/guests and adjunct faculty members from the industry and academics.



I.B.M.A Building

Centre for Bio-Nanotechnology

The Centre for Bio-Nanotechnology was established in this university. This centre was inaugurated by Shri Depinder Singh Dhesi, Chief Secretary, on 25 May 2019. The main objective of this centre is to promote Bio-Nanotechnology research in the university and the state.



Centres for Bio-Nanotechnology

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Agri Business Incubation Centre

The foundation stone of Agri Business Incubation Centre was jointly laid by Shri Depinder Singh Dhesi, (IAS), Chief Secretary, Government of Haryana, and



Shri Depinder Singh Dhesi and Dr Harsh Kumar Bhanwala with VC Prof. K.P. Singh

Dr. Harsh Kumar Bhanwala, Chairman, NABARD in the presence of Prof. K. P. Singh, Vice-Chancellor. The Incubation Centre will provide business-support services, capacity building through counselling, training and business advisory services related to agriculture and allied areas for helping the farmers, youth and entrepreneurs for starting, running and sustaining the business. Grant assistance of Rs 1174.85 lakhs was approved and sanctioned by the NABARD for establishing of this centre.

Golden Jubilee Year Celebrations

- The Saina Nehwal Institute of Agricultural Technology Training and Education, which is accredited to Agriculture Skill



Trainee being given Certificate

Council of India as Skill Development Training Centre, organized three trainings viz. two on Mushroom Grower, and one on Gardener in the RPL project funded by National Skill Development Corporation under Pradhan Mantri Kaushal Vikas Yojana.

- Ministry of Human Resource Development, Government of India, sanctioned six research projects for 2 years, worth Rs 4.62 crore's to the university under Scheme for Promotion of Academic and Research Collaboration, for improving the research ecosystem of the higher-education institutes of the country through facilitation of academic and research co-operation.

- Dr B.R. Ambedkar Chair in the College of Basic Sciences and Humanities organized a seminar on the topic Social and Economic



Dr J.S. Chouhan addressing

Justice on the occasion of 128th birth anniversary of Bharat Ratna Dr Bhim Rao Ambedkar on 14 Apr. 2019.

Dr. J.S. Chouhan, Joint Secretary, UGC, New Delhi, was the keynote speaker on this occasion.

- The 34th Annual Group Meeting of All India Co-ordinated Research Project - National Seed Project (Crops) and 14th Annual Review Meeting



Meeting on AICRP-Seed

of Seed Project of the ICAR was organized in the university during 7-9 April. 2019. The 49th Annual Group Meet of All India Co-ordinated Project on Sorghum was also organized from 28-30 May 2019. More than 200 scientists from the SAUs and the ICAR institutes across the country participated in each programme and discussed various issues related to seed and sorghum.

On this Occasion the following MoUs (International and National) were also signed

- The CCSHAU signed a Memorandum of Understanding with Department of Agriculture and Farmers' Welfare, Government of Haryana. It aims were:
 - To establish collaboration to improve the capacity building of farmers towards Climate-Resilient Agricultural practices;
 - With the ICAR's-Indian Institute of Millet Research, Hyderabad for promoting and accelerating the academic and research pursuits;
 - With JSW IP Holdings Pvt. Limited, Mumbai for renovation, refurbishment and upgradation of facilities for boxing, wrestling and other sports activities.

Achievements of Students and Staff

- Shri Vipin Kumar, Student of Certificate of Analysis, Hisar obtained first Rank in All India Entrance Examination PG (Agronomy) in national level examination conducted by the ICAR New Delhi.



Outstanding Students

- Dr Ajay Pal, Dr (Mrs) Sarita Devi, Dr Jayanti Tokas and Dr (Mrs) Anju Sehrawat from College of Basic Sciences and Humanities; Dr (Mrs) Sangeeta Chahal Sindhu, from College of Home Science; Dr (Mrs) Yadvika and Dr Vijay Singh, from College of Agriculture Engineering and Technology; Dr Devvart Yadav, Dr Mukesh Saini

from College of Agriculture Hisar visited Australia, New Zealand, the United Kingdom, the United States of America and Austria under the World Bank-funded NAHEP-IDP project. During their visit all the faculty members got exposure on latest research and teaching techniques of these countries.

- Total 16 students of College of Basic Sciences and Humanities qualified prestigious national-level competitive examinations. Out of these, 11 students cleared the ASRB's NET and 3 students cleared the CSIR's NET examination. Likewise, 2 students qualified the GATE.
- Under the student-exchange programme, two students of the university joined Tokyo University of Agriculture, Japan. These students were: Mr Parminder and Mr Vinod Mundlia.
- The Golden Jubilee-Inter College Youth Festival (Literary and Fine Arts) – 2019 was organized in the university during 24-26 Apr. 2019. In this festival, nearly 400 students of different colleges of the CCSHAU as well as the Lala Lajpat Rai University of Veterinary and Animal Sciences participated and showcased their talent.

DR. YASHWANT SINGH PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY, NAUNI (HIMACHAL PRADESH)

Riot of Flowers at Varsity's Rose Fest

The Dr Y.S. Parmar University of Horticulture and Forestry, Nauni celebrated the Annual Rose Fest on 25 Apr. 2019. The festival was organized at the Dr Thakur Rose



Roses in full bloom at the Dr Thakur Rose Garden, Nauni

Garden, located on the university campus. This garden has the largest germplasm collection of roses in Himachal Pradesh. With over 400 varieties of roses, both exotic and local, the garden is a sight to behold. Visitors were thrilled to see roses in different hues of red, pink, white, magenta, orange, yellow and green. Established in 2010, the garden was expanded in the year 2011. It comprises several classes of modern roses, like Hybrid teas, Floribunda and Polyantha, along with a beautiful repository of miniatures, shrub and climbing roses. In Hybrid teas the varieties like Hot Point, White Delight, Gemini, Calico, Milky Way, Summer Fragrance, Ashwani etc. are on display at the festival. In Floribunda, Orange Passion, Romance, White Arrow, Color Wonder, Funny Curl, Together Forever and Rainbow Sherbet are some of the prominent varieties. Varieties like Knock Out, Fedora, Starry Night and Candy Mountain in Shrub Roses; and Pink Spray, Nartaki, Anjali, Chandrika,

Best of Friends etc. In Polyanthus can also be seen at the garden. Besides, over 50 varieties of miniature roses like Baby Blanket, Peek-a-boo, Chipper and Red Fairy; and 17 varieties of climbing roses like Royal Gold, Super Fairy and Twist add another dimension to the garden.

Organic Incense Sticks from Flowers Offerings

Pure organic incense sticks prepared from flowers, offered by devotees at religious places, were launched at the Rose Festival of the Dr Y.S. Parmar University of Horticulture and Forestry, Nauni. The incense was prepared by Unabased entrepreneur Shri Ravinder Prashar, with the technical guidance from the scientists of the university.



Dr H.C. Sharma, VC, launching organic incense sticks



Organic incense sticks

The idea, supported under the Chief Minister's Start-up scheme, aims to provide a novel solution to the problem of disposal of flowers offered by the devotees at places of worship. Moreover, these flowers used in religious places and functions also get a new life in the form of incense sticks. The process uses natural portions and essential oils from flowers to make the organic incense with no charcoal or any other synthetic chemical. In addition, the process of making the stick is completely carbon neutral. No waste is generated from this process and even the unused portions of the flowers are being utilized to make compost. The company has already developed five fragrances, including rose, sandal and lavender.

The start-up scheme of Himachal Pradesh envisages practical exposure, orientation training, entrepreneurial guidance and hand-holding to potential entrepreneurs whose projects are approved. Once a project is recommended by the host institution and approved by the empowered committee, monthly support is provided as sustenance allowance for 1 year. One such incubation centre was established at UHF in 2017. The centres support the start-ups and innovation by providing mentoring services, access to their labs and facilities on a free-of-cost basis.

Inter College Sports and Youth Festival concludes at UHF

The 4th Annual Inter-College Sports and Youth Festival concluded on 4 May at the university's, Nauni headquarters.

Teams from the three constituent colleges of the university viz. College of Horticulture and College of Forestry from the main campus at Nauni, and College of



Team of College of Horticulture, receiving Trophy

Horticulture and Forestry, Neri took part in the 4-day extravaganza. With superb performance in the track, field and sports, the College of Forestry, Nauni bagged the overall trophies for Sports and Athletics. This college bagged the overall trophy for cultural events, with its students shining in the literary, song and dance, theatre and fine arts events. Lalrinzuali Rini from College of Forestry and Shri Subhash from COH&F, Neri were adjudged the best female and male athletes respectively. This year the university also gave away Dr Puran Anand Adhlakha award for Best Male and Female sportspersons. Dr Adhlakha was the first principal of the College of Agriculture, Solan. The award was bagged by Miss Kritika Saklani from COH&F and Shri Shubham Ranaut from College of Horticulture. The award carries a trophy, certificate and a cash prize.

NICRA award to K.V.K., Chamba

The Krishi Vigyan Kendra, Chamba of the Dr YSPUHF, Nauni was awarded at the national level for successful implementation of National Innovations in Climate-



Scientists receiving best NICRA award

Resilient Agriculture project in Lagga village. The NICRA is an ICAR-funded project, which was started in 2011 throughout India in 100 KVKs, including four of Himachal Pradesh. The project was launched to address the climatic vulnerability prevailing in these kendras. Climatic vulnerability like water scarcity, drought, dry spells, delayed monsoon, hailstorm, cold waves and prolonged winter season were addressed under this project. This NICRA model of KVK, Chamba was awarded at the Annual Review Workshop of Krishi Vigyan Kendras, which was held recently at Central Research Institute for Dryland Agriculture, Hyderabad, in which representatives of 121 KVKs took part. The Best NICRA Award for Zone-1 was presented by Dr A.K. Singh, Deputy Director- General (Agricultural Extension), ICAR, New Delhi.

Under the project, KVK, Chamba carried out interventions at village Lagga, which falls under Mehla block of district Chamba. It comprises 7 small villages, viz. Lagga, Pudhruin, Ghati, Osal, Hathla, Shakla and Prechha. In the first phase

(2011-2016), 102 families were selected covering an area of 89 ha, under different interventions. Four modules, viz. Natural Resource Management, Crop Production, Livestock and Fisheries, and Capacity Building were covered. Different interventions/ demonstrations were also carried out in these selected villages. In 2018, 5 more villages were adopted to upscale the proven technology of existing villages. Successful interventions include the introduction of spur-type apple plantations in 24.9 ha area, 64 polyhouses, crop diversification with cabbage (46.0 ha), crop diversification with cauliflower (59.5 ha) and protected cultivation in 0.80 ha area (Capsicum, cucumber and tomato are grown under protected cultivation).

Development of Eco-friendly Technologies and Improved Cultivars

A National seminar on Doubling Income through Sustainable and Holistic Agriculture was organized during 5-7 June at Nauni. The seminar was



Dr A.K. Chakrabarti, and university officials releasing souvenir

organized jointly by Society for Advancement of Human and Nature Solan and UHF, Nauni. The Indian Council of Agricultural Research and Central Potato Research Institute, Shimla were the technical collaborators. The seminar saw highly successful deliberations on various topics, where 218 abstracts were received. The participants covered a wide range of topics through poster and oral presentations. Several new crops, technologies and tools for production, protection and dissemination of technology were presented and discussed in the technical sessions of the seminar. There was consensus among all the scientists on the need to develop eco-friendly technologies and improved cultivars. Many presentations also emphasized the need to diversify through new crops and value addition. Besides, there were several new ideas for reducing the cost of farm inputs, plant protection, reduction of post-harvest losses, improvement of market access and infrastructure for improving the farmers' income. The participants also gave exciting presentations on nutritional-quality improvement as well as innovative products. While congratulating the participants, he spoke about the journey of the society and the work done in the field of education to the underprivileged.

Collaboration of Indo-Israel Team in Bumble-bee Rearing

An Indo-Israel team recently visited Dr YSPUHF, Nauni to explore the possibility of collaboration in the field of bumble-bee rearing. The team was led by Shri Dan Alluf, Counsellor of Israel Agency for International Development Co-operation, Israel Embassy. Shri Chaim Efrat, was the

bee-keeping expert from Israel, and Dr Billu Yadav, Deputy Director (Horticulture), Ramnagar, from India.

The team interacted with the university officials and scientists from the Department of Entomology. During the meeting, the scientists and the experts underlined the importance of



Meeting of UHF officials and Israeli Experts

bee-keeping as an important development tool to ensure food security and sustainable development, which not only empower the farmers but also boost the local and national economies. The objective of this project is to serve the farming community and increase the horticultural production, especially under protected cultivation through pollination support of bumble-bees.

Dr J.N. Sharma, Director (Research) of the university, welcomed all the delegates and shared the important research achievements of the university, including in the field of apiculture and bumble-bee rearing. Shri Dan Alluf discussed the Indo-Israel Agricultural Project and hoped for a long-term association in the field. He informed that more than 25 centres of excellence in India have already been supported under this project, and another centre is proposed in Himachal Pradesh. An Integrated Bee-keeping Development Centre has also been established in Ram Nagar in Haryana under this project. While appreciating the efforts undertaken in the field of managed honey-bee pollination, Dr H.C. Sharma, VC, stressed the need to include professionals from the industry to develop bumble bee rearing on a commercial scale. He said that besides temperate fruits, the state has good growing conditions for sub-tropical fruits (orange and mango) as well as vegetables. Dr Harish Sharma, Professor, Department of Entomology, talked about the status of research in bumble-bee rearing and its utilization in pollination in the university. He shed light on the various problems being faced for commercial bumble-bee rearing.

GOVIND BHALLABH PANT UNIVERSITY OF AGRI-CULTURE AND TECHNOLOGY, PANTNAGAR

The 32nd Convocation

Pantnagar University's 32nd convocation was organized on 29 Apr 2019 at 11.00 am at Gandhi Hall. Smt. Baby Rani Maurya, Governor of Uttarakhand and Chancellor



Smt. Baby Rani Maurya, adorning Bharat Bhushan Tyagi, with D.Sc.

of the university, presided over the function and delivered convocation address.

In this convocation, Smt. Maurya felicitated Padma Shri Bharat Bhushan Tyagi (a progressive farmer) with honorary degree of DSc. She also gave Chancellor's Gold Medal to the best graduate, besides Vice-Chancellor's 14 gold, 11 silver and 11 bronze medals. In addition, 6 awards were also given to 7 students. In this convocation total 1,417 degrees were awarded to undergraduate, post-graduate and Ph.D. students. Smt. Maurya expected that the oath taken by the students will be followed in letter and spirit. Dr. Tej Partap, Vice-Chancellor, presented a report on the achievements of the university in education, research and extension fields. Dr A.P. Sharma, Registrar, anchored the programme and presented vote of thanks at the end of the programme. In this convocation, members of Board of Management and Academic Council, students, faculty members, officers and staff of the university as well as officers of district and state administration were present.

Training on Bio-informatics

A training/workshop on 'Basics of bio-informatics and its application for applied life sciences' was organized by Sub-DIC Bio-informatics at Department of



Dr. Tej Partap, addressing the participants

Molecular Biology and Genetic Engineering, of College of Basic Sciences and Humanities during 27-29 Apr, 2019. The aim of the training was that every agricultural scientist should have essential knowledge of bio-informatics. The bio-informatic tools can be used for identification of the useful genes and proteins, which can be exploited to develop the disease-resistant organic crop varieties that can use soil nutrients efficiently.

Dr. Tej Partap, VC, was the chief guest, and Dr Manoj Prasad, Principal Scientist, NIIPGR, New Delhi, was the guest of honour of the inaugural function.

8th Regional Committee Meeting (Workshop) of IAUA

The Indian Agricultural Universities Association organized its 8th Regional Committee Meeting (workshop) at Pantvarsity during 9-10 May 2019. The topic of this meeting was: 'Agricultural university's' governance system—



Dr A.R. Pathak, addressing in the inaugural session of the regional committee meeting

driving forces of change and challenges'. The chief guest of the meeting was Dr A.R. Pathak, President, IAUA, and Vice-Chancellor, Junagarh Agricultural University, Junagarh, (Gujarat). Vice-Chancellor of Anand Agricultural University, Anand, (Gujarat); Dr N.C. Patel, Deputy Director-General (Agricultural Education), ICAR, Dr N.S. Rathore, were the guest of honour on this occasion. Dr Tej Partap, organized the event. Besides, 30 other Vice-Chancellors, Deans and Directors attended the workshop. Total 13 sessions on different aspects were held in the meeting.

International Conference on Horticultural Crops

An international conference on 'Innovative horticulture and value-chain management' was organized during 28-30 May 2019.



Release of literature by dignitaries

The conference was organized by Pantvarsity and Lt Amit Singh Memorial Foundation, New Delhi, in collaboration with Confederation of Horticultural Association of India, New Delhi, besides others. Dr. T. Mohapatra, DG, ICAR, New Delhi, was the chief guest of the inaugural session.

The galaxy of policy makers, administrators and scientists present on this occasion included Dr Ashok Dalwai, former Secretary, Government of India, & Chairman, Committee on Doubling of Farmers' Income; Dr K.V. Prabhu, Chairperson, Committee on Protection of Plant Varieties and Farmers' Rights Authority; Dr J.P. Meena, former Secretary, Food Processing Industry; Dr A.R. Pathak, Vice-Chancellor, Junagarh Agricultural University & President, Indian Agriculture Universities Association; and Dr. Tej Partap, VC, GBPUAT, Pantnagar. They advocated major changes in the academic, research, production, technology development, value addition etc. of the horticultural crops.

On this occasion, CHAI Fellowship Awards, and Amit Singh Memorial Foundation Awards were also given to the distinguished persons in their fields. Former Deans of College of Agriculture of Pantvarsity were also felicitated. The ASM Foundation was formed in the memory of late Lt Amit Singh, who laid his life in protecting the boundaries of the country at a very young age of 21 years.

Purchase of University Technology by Insecticides India Ltd

The Insecticides (India) Ltd, New Delhi, purchased an advanced technology of bio-fertilizer production of Pantvarsity in Rs 14 lakhs. An agreement to this effect was signed between the university and the Insecticide India Ltd on 7 May 2019, which was signed by Director, Experiment Station from Pantvarsity and Manager of Delhi Branch of the

firm from their side, in the presence of Dr Tej Partap, VC. Mycorrhiza-based *in-vitro* propagation technology of bio-fertilizer, developed by the scientists of



Signing ceremony of agreement

Department of Biological Sciences of College of Basic Sciences and Humanities of the university, is useful in increasing the growth and production of plants by 5 to 20 % besides developing resistance against soil-borne diseases. The product has been tested on different food grains, legumes, vegetables and the flower and horticultural crops. The company will produce this bio-fertilizer at mass level to make it available to the farmers.

Receipt of two International Research Projects

The College of Technology of the university received two international research projects under Scheme for Promotion of Academic and Research Collaboration, of Ministry of Human Resource Development of Government of India. The first project is entitled 'Recharge process of springs and its management to mitigate the impact of anthropogenic and climate change for water security: A case study in part of Kumaun Lesser Himalayas, India'. This project, besides having faculty members of Department of Civil Engineering, College of Technology, Pantvarsity as Co-Principal Investigator, also has experts from Banaras Hindu University, Varanasi, as foreign principal investigator besides of Western Sydney University and University of Melbourne, (Australia), as international partners. Second international research project entitled 'Securing water for agricultural and food sustainability: Developing trans-disciplinary approach to ground-water management' has scientists of Department of Civil Engineering, College of Technology, Pantvarsity; Indian Institute of Technology, Kharagpur, (West Bengal); Sardar Vallabhbhai National Institute of Technology, Surat, (Gujarat); Western Sydney University and Queensland University of Technology, Queensland, Australia; and Wisconsin University, The USA.

The SPARC programme of the Government of India facilitates completely-funded international research collaborations of Indian universities (top 100 National Institute Ranking Framework ranked) with the best institutions (top 500 ranked) in the world.

Release of Cowpea Varieties

One improved breeding line, 'PGCP-24' (Pant Lobia-7) of Pantvarsity was identified for release by Variety Identification Committee during the Annual Group Meet on *kharif* pulses of All India Co-ordinated Research Project on Mung-bean, urdbean, lentil, lathyrus, rajmash and field pea and All-India

Network Project on Arid Legumes, held at Acharya N.G. Ranga Agricultural University, Lam, dist. (Guntur) during 19-21 May 2019.

Release of Cowpea Variety for Cultivation in Kerala

Pantnagar university's another cowpea breeding line 'PGCP-23' (Pant Lobia-6) has shown consistently superior performance in Kerala, and it has been identified to be released for cultivation in 2019 in that state.

Prospective Technologies Recently Given to Farmers

Awareness prog-ramme on honey-bee protection organized by Department of Entomology of the university, took out an awareness rally on World Honey-bee Day passing through different parts of the campus, to create awareness about the importance of honey-bees for human-beings and the measures to be taken to protect honey-bees, including avoiding the use of insecticides during flowering' of various crops.

The Honey-bee Research and Training Centre of the university also organized an awareness programme on honey-bee protection on this occasion at Campus School of the university. The students were told about the importance of this special creature, i.e., honey-bee, in pollination in different crops, leading to increase in quality and production besides the various ways to protect honey-bee, to save the humanity. Students also pledged to protect honey-bees.

PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

World Health Day

Department of Food & Nutrition, College of Community Science, PAU, Ludhiana, along with members of Indian Dietetics Association, Punjab chapter celebrated the World Health Day on 9 Apr, 2019 with the theme 'Universal Health Coverage: Everyone, Everywhere'. Walkathon was organized at PAU, Ludhiana in the morning by the students and faculty members of PAU, Indian Dietetics Association,



Celebrate World Health Day

Punjab chapter, active members and dieticians from various hospitals from Ludhiana such as the Carboxymethyl cellulose and Dayanand Medical College & Hospital. This was followed by a Yoga and Meditation session by Art of Living, Ludhiana. The three aspects of health, i.e. physical, social and mental, were highlighted. On this occasion Nukkad Natak on "Importance of Iron" and nutrition-related fun games were also conducted by the UG and PG students.

World Environment Day

The Departments of Soil Science, Forestry and Natural Resources, PAU, Ludhiana in association with the ICAR National Agricultural Higher Education Project



World Environment Day Celebration

-Centre of Advanced Agricultural Science & Technology project, organized on 6 Jan, 2019 an informative and reflective seminar to mark World Environment Day. The theme for the World Environment day was Air Pollution. An interaction of students and faculty members with eminent resource persons was made during the conduction of the seminar.

Dr J.S. Mahal, Director of Extension, gave a call for genuine sensitization towards need to preserve bio-diversity. Dr S.S. Kukal, Dean, College of Agriculture, dwelt on small self-checks at personal level, like mindful use of water, growing fruit trees and minimizing ward-robe size as effective ways towards environment conservation. Shri Rohit Mehra, (IRS), Additional Income Tax Commissioner spoke on the need for returning back to our roots and growing important trees like *Neem*, *Peepal* and *Moringa* with double benefit of health promotion and environment conservation.

Hands-on Training on Statistical Tools and Database Management

A Hands-on training on Statistical Tools and Database Management was organized by Department of Soil Science, (PAU, Ludhiana) during 10-15 June, 2019, under the ICAR NAHEP - CAAST



Hands-on training on Statistical Tools and Database Management organized by the Department of Soil Science

project, with the generous support of the resource persons from Indian Agricultural Statistics Research Institute, New Delhi. About 35 participants including young faculty members, research fellows, Ph.D. and M.Sc. students participated in this training programme. The trainees were

empowered to handle data using different statistical tools including Statistical Package for Social Science, R.R Studio, Correlation and Regression Analysis, Cluster Analysis, Data Mining and Introduction to Waikato Environment for Knowledge Analysis software, Artificial Intelligence and Knowledge-based System, Logistic Regression, Classification and regression tree, Machine-Learning Technique: Artificial Neural Networks.

Varieties/Hybrids developed: The following varieties or hybrids were developed by the university

- PTH-2 (Tomato): It is suitable for processing purposes and its average yield is 270 q/ha. Its TSS content is 4.2% and lycopene content 4.7%. It is resistant to late blight and root-knot nematodes.



PTH-2 (Tomato)

- PSM-1 (Capsicum): It is an early-maturing variety, and first picking is possible 109 days after transplanting under poly net house. It is tolerant to high temperatures, and it gives average yield of 246 q/ha. It is suitable for fresh market and distant transportation.



PSM-1 (Capsicum)

- PRO-7 (Onion): Its bulbs are red, medium-large and round, with thin-tight neck. It is an early-maturing variety, and takes 120 days from transplanting to harvesting. It has good keeping quality and tolerance to bolting. It is suitable for fresh consumption. The average yield is 159 q/ha.



PRO-7 (Onion)

- PWO-35 (Onion): Its bulbs are white, medium-large and round, with tight neck. It takes 139 days from transplanting to harvesting. It has good keeping quality and tolerance to bolting. It is suitable for powder making. The average yield is 155 q/ha.



PWO-35 (Onion)

- PYO-102 (Onion): Its bulbs are yellow, large and globular with tight neck. It is suitable for fresh consumption and export. It takes 141 days from transplanting to harvesting. It has good keeping-quality and tolerance to bolting. The average yield is 164 q/ha.



PYO-102 (Onion)

- Punjab Nawab (Pumpkin): It is suitable for rainy season cultivation. Its average yield is 138.86 q/ha. It is tolerant to pumpkin yellow vein mosaic virus.



Punjab Nawab (Pumpkin)

Production/ Protection Technologies: The following production and protection technologies were found useful.

- Sub-surface drip irrigation and fertigation in maize-wheat-summer *moong* cropping system, helps in increasing the maize yield by 7% and saving 52% water and 20% fertilizers.
- Drip and fertigation schedule in direct-seeded rice and wheat cropping system helps in saving 47% water and 20% fertilizers.
- Bed-and ridge-planting methods in *kharif* maize help in increasing the yield by 10% and 14% respectively.
- Fertigation schedule in kinnow mandarin and drip irrigation schedule under 6 m x 3 m spacing leads to saving of 20% fertilizer, along with 30% increase in kinnow yield.
- Bacterial bio-fertilizer was developed by the university for improving the yield of *rabi* onion.
- Micro-irrigated soil-less roof-tops terrace vegetable garden model was designed and commercialized for urban and peri- urban areas.

PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY, HYDERABAD






Eight New Varieties for Telangana Farmers




Eight new varieties of 6 crops were approved for release in the second State Varietal Release Committee meeting-2019, held on 20 June, 2019 under the chairmanship of Shri C. Parthasarathi, APC & Principal Secretary, Department of Agriculture and Co-operation, Government of Telangana.

Three varieties of rice and one variety each of jowar, redgram, groundnut, sesam and cotton were approved for

release after extensive testing in different trials and minikits. The details of the varieties are given in Table 1.

Table1 varieties related by the University for Andhra Pradesh

Crop	Variety	Special characters	Developed by
Rice	 <p>JGL 24423 (Jagtial Rice 1)</p>	A medium-duration, fine-grain variety (125 days) suitable for cultivation in both kharif and rabi, with yield potential of 8.0-8.5 tonnes/ha, tolerant to BPH and blast	Regional Agricultural Research Station, Jagtial
	 <p>KNM733 (Kunaram Rice 1)</p>	A short, slender, short-duration (115-120 days) variety with good cooking quality, suitable for cultivation in both kharif and rabi ; tolerant to cold and blast, with yield potential 7.5-8.0 tonnes/ ha	Agricultural Research Station, Kunaram
	 <p>WGL 915 (Warangal Rice 1)</p>	A medium-duration (135 days) fine grain variety, with yield potential of 7.5-8.0 tonnes/ ha, suitable for cultivation in kharif, non-lodging, non-shattering, sturdy culm, moderately resistant to BPH and WBPH, blast, BLB and rice tungro diseases. The grain is long, bold and suitable to make poha/ (pressed rice)	Regional Agricultural Research Station, Warangal
Jowar	 <p>PYPS 2 (Palem Pacha Jonna-1)</p>	A high-protein (12%) variety with yield potential of 2.0-2.5 tonnes/ ha (grain) and 5.0-5.5 tonnes/ ha (fodder). The duration of crop is 95-100 days, suitable for cultivation in kharif and tolerant to grain mold, stem-fly and stem-borer	Regional Agricultural Research Station, Palem
Red gram	 <p>WRGE 97 (Warangal Kandi 1)</p>	A mid-early duration variety (140-160 days), with yield potential of 18 q/ ha, suitable for cultivation in both kharif and rabi, moderately resistant to wilt	Regional Agricultural Research Station, Warangal

Sesame		A white-seeded variety with good-quality oil, suitable for cultivation in late kharif, rabi and summer with yield potential of 7.0-8.0 q/ ha (late kharif) and 10.5-11.26 q/ha (rabi/ summer). It is tolerant to powdery mildew and Alternaria leaf spot	Regional Research Station, Jagtial
Groundnut		A Spanish bunch variety, with oil percentage of 51.5 %, duration of 95-100 days (kharif) and 85-90 days (rabi summer), tolerant to rust and leaf spot and has yield potential of 3.33-3.5 tonnes/ ha	Regional Research Station, Jagtial
Cotton		A variety of 150-170 days duration, good fiber quality, and yield potential of 3,000 kg/ha. It is suitable for cultivation as rainfed crop, and is tolerant to Bacterial leaf blight, Tobacco streak virus, leaf- hopper and bollworms	Agricultural Research Station, Adilabad

Seed Mela - 2019

The Seed Mela-2019, organized on 24 May 2019 at university auditorium premises, Rajendranagar, and simultaneously at RARS, Jagtial,



Participants at Seed Mela 2019

Warangal and Palemto provides a common platform to farmers of Telangana for purchase of quality seed of various crops. Shri Singireddy Niranjan Reddy Minister for Agriculture and Co-operation formally inaugurated the Mela and distributed quality seed to the farmers. In his inaugural address he announced that the seed mela would be organized every year on 24 May at all the district headquarters. He further reiterated the efforts put forth by Shri K. Chandrashekar Rao, Chief Minister, starting various schemes to improve the livelihood of farmers, which are replicated in several states in the country.

Shri Singireddy Niranjan Reddy Minister released six DVDs developed by Electronic Wing of the university in vernacular language on Integrated pest management of fall army worm

in maize, Safe use of pesticides, Mat nursery for mechanized transplanting in rice, Seed treatment, Mechanized planting in ID crops, and Alternate wetting and drying method of rice cultivation.

Dr V. Praveen Rao, VC, in his address elaborated on the efforts put forth to supply quality seed to the farmers, while announcing the release of eight new varieties soon. He registered his gratitude to the farmers who were continuously encouraging the university scientists by adopting the new technologies and varieties developed at the PJTSAU. Twenty four crop varieties were arranged for sale, including fine-grain (RNR 15048, WGL 44, Krishna, BPT 5204) and coarse-grain varieties (JGL 18047, KNM 118, MTU 1010) of rice, maize (DHM 117), sorghum (CSV 31), redgram (WRG 65, PRG 176, TDRG 4, Asha), greengram (MGG 295, MGG 347, MGG 351, WGG 42), blackgram (PU 31), castor (PCH 111), sesame (Swetha); and forage crops like Hedge lucerne and (Sesbania grandiflorum). Around 2,900 farmers participated in the seed mela, making it a grand success, selling seed worth Rs 23 lakhs. This event was organized in collaboration with Indian Institute of Rice Research, Indian Institute of Oilseeds Research, Indian Institute of Millets Research, Project Directorate of Poultry, Central

Research Institute for Dryland Agriculture, Sri Konda Laxman Telangana State Horticultural University, P.V. Narasimha Rao Telangana Veterinary University, National Seeds Corporation, Telangana State Seed Development Corporation, and Telangana State Seed and Organic Certification Agency.

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY, SRINAGAR, KASHMIR

MoU with M/s Bayer

The SKUAST (Kashmir) signed an MoU with M/s Bayer Crop Science Ltd on 23 Apr. 2019, with the objective to improve fruit quality, improve productivity through promotion of good agricultural practices, plant protection and sharpening the skills of apple growers. Under the MoU, three more virtual weather stations will be established in Kashmir region to provide Apple Scab Management Advisory to the growers through extension infrastructure of the university. Under this collaboration, besides capacity building the growers will be advised through SMS for effective scab management as per weather conditions.



MoU Signing Ceremony

Prestigious IIGP-2019 Award

The university is the winner of 'India Innovation Growth Programme' for the second consecutive year. Dr Ambreen Hamadani, Ph.D. scholar of Division of Animal Breeding & Genetics, was declared as one of the winners of the IIGP-2019. The student received a citation and a cheque of Rs 10 lacs on behalf of SKUAST-K at an impressive award ceremony, presided over by Shri Amitabh Kant, Chief Executive Officer, NITI Aayog, held at Hotel Taj Palace, New Delhi on 17 July, 2019. The winners of the previous year IIGP-2018 were Miss Mehvish Hameed, (M.Tech. student of Agricultural Engineering, and Fallah Nazir, 10th class student of DPS, Srinagar. The SKUAST-Kashmir is the only agricultural university to have competed and became winner for two consecutive years. The IIGP 2.0 is a unique tripartite initiative of the Department of Science and Technology, Government of India, M/s Lockheed Martin and Tata Trusts. This highly competitive challenge received nearly 2,500 entries this year from across India. The



Scholar receiving the award

SKUAST-(K) got ranked amongst top 20 institutes alongside the best institutes of India including the IITs and BITS, Pilani.

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

9th Convocation

The ninth convocation of the university was held on 26 June, 2019 at the main campus. Shri Shiva Shankara Reddy, Pro-Chancellor of the University and Shri Laxman S. Savadi



Dr Ashok Dalwai, delivering convocation address

Minister for Agriculture, Govt. of Karnataka, declared the convocation open, and later on other things went as scheduled. Dr Ashok Dalwai, Chief Executive Officer, National Rainfed Area Authority, New Delhi, delivered the convocation address. In his address, he remarked that India has created a record in food production in our entire globe but the living condition of our farmers remained the same.

He said the agriculture revenue is less than the income of industrial laborers. Farmers could not get a suitable price for their produces. Moreover, they also suffered the brunt of adverse weather conditions and calamities. Modern farming methods should be promoted among the farmers to make it a profitable venture today.



Mr Channabasava, receiving Gold medal



Mr K. Chandrakumar, receiving Gold medal

Farmers had been facing problems in cultivating their lands. They had been spending more on cultivation without utilizing the modern technical innovations. A healthy country cannot be developed till the agriculture sector gets empowered and the welfare of the farmers is achieved. The interests of farmers should not be neglected. The agricultural expenses should be reduced and the farmers should opt for the crops that give maximum yield; in addition good market should be ensured for the farmers' produce. He opined that the results of the green revolution brought positive growth in the agriculture sector. The food grains also received good market. But the fertility of the soil decreased and cultivation of crops was affected.

Dr K. N. Kattimani, Vice-Chancellor, briefed about the progress of the university. He said that the university programmes will be planned considering the welfare of the farmers in the



Dr. K. N. Kattimani, VC, briefing about the progress of the university

region. Efforts were being made to develop the university as the farmers' university. Researches in water management, sustainable watershed development, development of agricultural machines to facilitate small and medium-scale farmers, food safety, pesticide-free food-grains and nanotechnology in agriculture would be carried out in the university. Further, he mentioned that the university is planned to start 'Centre of Excellence', wherein food processing, value addition, agri-marketing and management, climate change etc., would be studied, and proposal in this regard has already been submitted to the ICAR, New Delhi.

In extension, transferring the technology on real-time basis through e-SAP, demonstration of IFS module in the different agro-climatic situations, demonstration of IPM and ICM in major crops, and the demonstration of zero cultivation and conservation agriculture in different rainfed and irrigated areas of the region have been planned. In this Convocation, 270 under-graduates, 164 post-graduates and 24 Ph.D. degrees were conferred. The dignitaries distributed the certificates and gold medals to rank holders. The Hon'ble members of the Board of Management, members of the Academic Council and parents of the students graced the occasion.



Ms Shripriyanka Nalla, student receiving Gold medal

Meeting of ZREAC and ZREFC Kharif & Rabi 2018-19

The Zonal Research and Extension Advisory Council (ZREAC) and Zonal Research and Extension Formulation Committee (ZREFC) meeting was organized during 6-8 June 2019 at the main campus. Dr K.N. Kattimani, Vice-Chancellor, UAS, Raichur, inaugurated the meeting. In his inaugural address he called upon the scientists to concentrate and formulate their research relevant to the climate change. Emphasis should be given to formulate research to retain the soil health as well as popularize of hydroponics and Israel technology. The scientists working under cotton scheme must develop PBW resistant cotton hybrids/varieties. Popularizations of Indian Forest Service modules in the farmers' fields are necessary to improve their economic status. Fertigation in protected cultivation

and development of horticultural plant nurseries for production of healthy seedling should be initiated. Agricultural Engineering scientists were advised to develop small equipment's and house-hold post-harvest technologies for the benefit of small and marginal farmers. The marketing for value-added products and information on importing and



Dr K.N. Kattimani, addressing scientific community



Dr Satyanarayana Rao, briefing about Agricultural situation

exporting of agricultural and horticultural products should be established in the university. All the ARSs and KVKs were entrusted to maintain 1 or 2 ha of horticulture garden/orchard and develop contingent cropping plans for all the crops suitable for different regions. All extension staff should properly distribute all the technologies developed in the university. The entire teaching faculty was advised to concentrate more towards coaching of JRF and SRF students to crack the topmost ranks at national level. Green graduation will be adopted from ensuing year (2019-20) to encourage students to plant trees and nourish it for 4 years.

During the meeting, Officers of the university, all the scientists from Teaching, Research and Extension department were present on this occasion. Dr Satyanarayana Rao, Associate Director of Research, presented the seasonal conditions and rainfall pattern of the research stations coming under Raichur, Koppal and Ballari districts for the year 2018. Dr J.R. Patil, Associate Director of Research, Kalaburagi, presented the seasonal conditions and rainfall pattern of the research stations coming under Bidar, Kalaburagi and Yadgir districts for the year 2018. The farmers from six districts of Hyderabad-Karnataka region gave their feedback about the problems faced and the need-based research.

During the meeting, 35 new farm trial proposals and 40 technologies for large-scale adoption by the farming community in the Zones-1, 2 and 3 were accepted. The new technical programme for the year 2019-20 was formulated, discussed and approved in the meeting.

UNIVERSITY OF AGRICULTURAL AND HORTICULTURAL SCIENCES, SHIVAMOGGA (KARNATAKA)

Zonal Research and Extension Programme Workshop of Kharif-2019

The ZREP-2019 was organized from 8-10 May 2019 at UAHS, Shivamogga. Dr M. K. Naik, Vice Chancellor,

inaugurated the ZREP Workshop. Dr M. A. Shankar, former Director of Research; Dr K. G. Parameshwarappa, former Dean, CoH, Mudigere; and Dr T. H. Gowda, former Director of Extension, were the resource persons.



Dr M.K. Naik inaugurated the ZREP Workshop

During the workshop four varieties were released

1. Flood-tolerant red rice variety "Sahyadri Panchamuki (IRGA-318-11-6-9-2B)"

"Sahyadri Panchamuki (IRGA-318-11-6-9-2B)" is the high-yielding, flood-tolerant red rice variety, recommended for *kharif* for lowland, in the coastal zone.



Sahyadri Panchamuki (IRGA-318-11-6-9-2B)

It is a mid-duration (130-135 days), medium-bold red variety, with grain yield of 50-55 q/ha. It is highly tolerant to blast, and *Helminthosporium* spot, and is resistant to gall midge.

2. High-protein rice variety "Sahyadri Megha"

This is a high-yielding rice variety with medium plant stature, dark green foliage without any pigmentation, suitable for *kharif* and summer. It is recommended for

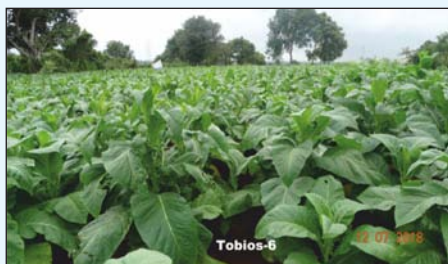


Sahyadri Megha

Southern Transition Zone. It is of short duration (120 days), with bold grains without awn and pigmentation. It contains high protein (12.4%) with a grain yield of 70 q/ha, and is moderately resistant to blast and udbatta diseases.

3. Drought-tolerant variety "Tobios -6 of FCV tobacco"

This is the flue-cured tobacco variety, released for light soils of Karnataka. It yields 15 % higher cured-leaf yield over the check variety, Sahyadri, and



Tobios -6

18 % over another check variety, Kanchan. It is relatively drought tolerant, moderately resistant to black shank, frog-eye leaf spot and root-knot nematode, and has good-quality

character, viz. low nicotine and chloride contents, and with high reducing sugar and potassium.

4. Cowpea variety "Sahyadri Yukthi" (UAHS-28), suitable for limited moisture conditions

This is the cowpea variety suitable for late *kharif* and summer season, and is recommended for Southern Transition Zone. It is medium bold, has early vigour with short stature, and is grown well under limited moisture conditions. It matures in 80-85 days, with a yield of 12-13 q/ha.



Sahyadri Megha

Annual Review Workshop of KVKs of Zone-XI

Annual Review Workshop of KVKs of Zone XI was held at Krishi Vigyan Kendra, Mudigere, dist (Chikmagalur) during 14-16 May, 2019. Dr M. K. Naik, VC, during his inaugural address highlighted the role of KVKs in disseminating the technology to the farming community and also the key role of KVKs in food



Annual Review Workshop of KVKs Zone XI

security. Dr Ranadhir Singh, Assistant Director-General (Agriculture. Extension), ICAR, New Delhi, during his valedictory remarks on 16 May, 2019, told that 713 KVKs are catering to the needs of farmers in the country. He expressed his happiness regarding the role of KVKs in implementation of Pradhan Manthri Phasal Bima Yojana and Sankalpa Siddi Programme. He also told that India has achieved the pulse production of 24 million tones due to intervention of KVKs through National Food Security Mission. He also explained about VATICA, NARI and ARYA programmes. He urged the Heads of KVKs to make KVKs as 'One-Stop Solution' by maintaining proper database, identifying the gap and bridge the gap with suitable technological interventions. He also insisted on giving importance to Digital Agriculture. He also laid the foundation stone for new administrative building of Krishi Vigyan Kendra, Mudigere, dist (Chikmagalur). Dr S. Rajendra Prasad, VC, University of Agricultural Sciences, Bangaluru, was the chief guest. He told that the KVK should be a linking agency with other sectors apart from delivering

regular mandates. During this occasion other dignitaries, viz. Dr M. J. Chandregowda, Director of ICAR-Atari, Zone XI, Bengaluru; Scientists of the ICAR-Atari, Bengaluru, special invitees from the ICAR institutes and Director of Extension of farm universities, besides Senior Scientists and Heads of different KVKs of Karnataka, Kerala and Lakshadweep were present.

National PG Research Conference- 2019

The PG Research Conference 2019 was organized at University of Agricultural and Horticultural Sciences, Shivamogga on 20 May, 2019. Dr Narendra Singh



Dr Narendra Singh Rathore, inaugurated the National PG Research Conference- 2019

Rathore, Deputy Director-General (Agriculture Education.), ICAR, New Delhi inaugurated the conference. Dr C. L. L. Gowda, former Deputy Director-General, ICRISAT, released the compendium of PG research conference. Fourteen Ph.D. students and 95 M.Sc. students of UAHS, Shivamogga presented their research papers. The best research paper awards were also given on this occasion. During the presidential address, Dr M. K. Naik, VC, spoke about the importance of conference and gave advice to the scientists on building up of problem-solving ability.

Skill-Development Training

A Skill Development Training on Small Poultry Farming was organized from 04 Apr - 03 May, 2019 at Krishi Vigyan Kendra, Shivamogga for the unemployed rural youths under the



Skill Development Training at Krishi Vigyan Kendra, Shivamogga

financial assistance of Agricultural Skill Council of India. Total 38 resource persons gave technical information on poultry housing, nutrition, diseases, scientific management, marketing, hatchery management, chicken processing and packaging, value addition etc. During this training, hands-on training was also organized for these participants on brooding, feed preparation, egg collection and egg setting in hatchery etc. Total 20 persons participated from different districts of Karnataka.

Skill Training for Rural Youth

Skill training programme on Mushroom Production Technology for the rural youth (STRY) was organized during 24-29 June, 2019 at Krishi Vignan Kendra,

Shivamogga, in collaboration with MANAGE, (National Institute of Agricultural Extension Management) Hyderabad and SAMETI (South). During the training programme, technical information on mushroom-cultivation technologies for oyster mushroom, milky mushroom and button mushroom; spawn production, technology, value addition of mushroom etc. were given. Total 15 participants joined in the training.



Skill training programme on Mushroom Production Technology

VASANTRAO NAIK MARATHWAD KRISHI VIDYAPEETH, PARBHANI

Release of NHH 44 BG-II Bt Cotton Hybrid

The VNMKV, Parbhani and Mahabeej jointly launched the India's first public sector Bt cotton hybrid 'NHH 44 BG II' on 15 June, 2019, and made a its seed available



Launching of new Cotton Hybrid NHH 44 BG-II

to the cotton growers of Marathwada region. After long waiting, intra *hirsutum* cotton hybrid 'NHH 44' is now available in BG II version for the farmers of Marathwada region. The NHH 44, released by VNMKV, Parbhani during 1984, was most popular amongst the cultivators due to its higher yield potential, sucking pest-tolerance, rejuvenation, drought tolerance and yield stability. It had the highest acreage of about 40 % of the total cotton-growing area of the country during 1995 to 2000. Due to introduction of GM (**genetic modification**) technology in cotton and non-availability of **Bt** gene with public sector, the area under public-sector non **Bt** hybrids was reduced. Therefore there was great demand from cotton growers of the region for this hybrid in **Bt** version due to its wider adaptability for yield and tolerance to sucking pests. The BG II genes (Cry1Ac and Cry2Ab) were transformed into 'BN 1' and 'AC 738', the female and male parents of the NHH 44 at Mahabeej, dist. Akola. As both the parents have BG II genes, the gene expression in this hybrid is very good.

On the launching ceremony, Dr A. S. Dhawan, VC, stated that NHH 44 BG II is the first **Bt** cotton hybrid released by public sector in Maharashtra. Further, he added that the farmers of this region were eagerly waiting for the release of this hybrid. Farmers should adopt Integrated Pest Management strategies while cultivating this hybrid for achieving more productivity and profitability. Dr D. P. Waskar, Director of

Research, stated that VNMKV and Mahabeej have developed this GM seed through MoU, which was signed in 2014, and after 5 years. The **Bt** version of NHH



Launching of Bt Cotton Ceremony

44 was launched for Marathwada region during *kharif* 2019 season. Mr Phundkar, GM (Production), of Mahabeej; Shri Prakash Tatar, GM, (Marketing) and Dr Khizer Baig, Cotton Specialist, were also present on this occasion.

AWARDS

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR

Honorary Rank of Colonel to Prof. A.M. Paturkar

The Ministry of Defence, Government of India granted Prof. A. M. Paturkar, Vice Chancellor, the honorary rank of Colonel in the National Cadet Corps, and appointed him as Colonel Commandant of NCC, MAFSU. This rank was conferred on 30th Apr, 2019 by Major General Gajendra Prasad, (Yudh Seva Medal and Vishist Seva Medal) Additional Director-General, Maharashtra Directorate, in a modest ceremony at Rajat Jayanti Sabhagraha, Nagpur Veterinary College, Nagpur. On this occasion senior officers of the university, students and NCC cadets were present.



Conferment of Honorary Rank of Colonel to Prof. A. M. Paturkar

Honors to Dr Adhiti K. Bhanotra

Dr Adhiti K. Bhanotra, Assistant Professor, Department of Veterinary and Animal Husbandry Extension, Mumbai Veterinary College was conferred with "Women Extension Scientist Award" and "Best Poster- Presentation Award" for the paper entitled "Documentation and validation of indigenous technical knowledge on animal health care and treatment". The authors were Dr Adhiti Bhanotra, Miss Jancy Gupta, Shri Manish Sawant and Miss Mrunal Warthi. The paper was presented during the third National Conference of Society for Veterinary and Animal Husbandry



Dr Adhiti K. Bhanotra, receiving "Women Extension Scientist Award"

Extension, held on 'Livestock Development for Societal Needs: Extension and Allied Sectors Initiatives', organized by G. B. Pant University of Agriculture and Technology, Pantnagar (Uttarakhand) during 3-5 Apr, 2019.

Best Teacher Award to Dr S.P. Waghmare

Dr S. P. Waghmare, Professor, Department of Veterinary Clinical Medicine, Post Graduate Institute of Veterinary and Animal Sciences, Akola received the prestigious "Best Teacher Award" for his contribution in teaching, research and extension. The award was given on behalf of Senior Veterinary Foundation, Pune on 26 May, 2019 by Shri Dipak Maisekar, Divisional Commissioner, Pune, (Maharashtra).



Dr S.P. Waghmare receiving "Best Teacher Award"

Best Poster Award to Dr V.M. Vaidya

Dr V. M. Vaidya received the Best Poster Award (Second Position) during the 'Zoonoses and Public Health session' in Sixteenth Annual Symposium of The Indian Association of Veterinary Public Health Specialists and National Conference for the paper entitled "Serodiagnosis of Hydatidosis in Buffaloes by Flow through Assays". The authors were Dr V. M. Vaidya, A. M. Paturkar, R. J. Zende, S. Sankpal and S. S. Bhawe. Dr A. M. Paturkar, VC, MAFSU, and Dr J.P.S. Gill, General Secretary of IAVPHS, as well as other respected members of the IAVPHS presented this award.



Dr V.M. Vaidya receiving Best Poster Award

Reviewer Excellence Award-2019 to Dr D.N. Bajad



Dr D.N. Bajad

Dr D. N. Bajad, Professor, Department of Dairy Chemistry, College of Dairy Technology, Warud (Pusad) was honoured with the Reviewer Excellence Award-2019 for his outstanding contribution to the Asian Journal of Dairy & Food Research (Agricultural Research Communication Centre, Haryana).



Dr Shital Chopde

Dr Shital Chopde Commissioned as Lieutenant in NCC

Dr Shital Chopde, Assistant Professor, Department of Animal Nutrition, Nagpur Veterinary College, Nagpur was commissioned as Lieutenant on 13 Apr,

2019 after undergoing a rigorous training of 3 months at NCC Officers' Training Academy, Gwalior. Lt. Shital Chopde joined as Associate NCC Officer at 1 Maharashtra and Remount and Veterinary Squadron NCC, Nagpur. The only NCC unit in Maharashtra Animal & Fishery Sciences University Nagpur, where the training of Horse riding is being imparted to the Senior Division & Senior Wing NCC cadets. This Unit is also playing a key role in shaping the career of cadets and inculcating discipline and patriotism in them.

PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY, HYDERABAD

Honors to Dr V. Praveen Rao

Dr V. Praveen Rao, VC, PJTSAU received the "Leader with Strategic Vision Award" at Agri-business Summit & Agri Awards- 2019, held at Hotel Park



Dr V. Praveen Rao, VC, receiving the award

Hyatt, Hyderabad on 27 Apr. 2019 from Shri Singireddy Niranjan Reddy, Agriculture Minister, Government of Telangana. Dr Rao was lauded for his efforts in bringing about innovative academic reforms in agricultural education, research and extension that has catapulted the PJTSAU the youngest agricultural university to 6th position at the national level as per the ICAR ranking-2018.

Awards to Miss V. Manasa Reddy

Ms V. Manasa Reddy, student from Agricultural College, Jagtial, received one silver and one bronze medal in Fourth International Turkish Open Kick-boxing Tournament- 2019, held at Antalya, (Turkey) during 4-7 Apr. 2019 under senior musical forms (19 - 40 years) (Soft Style weapon and Soft Style) category.

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI

Awards to AICRP on Dryland Research Project

AICRP on Dryland Research Project of VNMKV, Parbhani bagged the ICAR's Vasantao Naik National Award for the year 2018 during the ICAR's 91st Foundation Day celebrations. These were held at the



Award Ceremony Celebrations

National Agricultural Science Centre Complex, Pusa, New Delhi on 16 July, 2019. Dr A.S. Dhawan, Vice-Chancellor; Dr D P Waskar, Director of Research; and Dr. B. V Asewar, team leader of the scientists of AICRP for Dryland Research Project, received the coveted award. Shri Narendra Singh Tomar, Union Minister of Agriculture and Farmers' Welfare was President of the award ceremony. The Union Ministers of State for Agriculture and Farmers' Welfare, Shri Parshottam Rupala and Shri Kailash Choudhary, along with Shri B.D. Sharma, Member of Parliament, and Dr Trilochan Mohapatra, Secretary (DARE) & DG (ICAR) were present during the occasion.

The research centre was conferred with this award for its commendable scientific contributions made in dryland agriculture. The project on 'Development of climate resilient technology to cope with drought situations in Marathwada region of Maharashtra' was executed at the AICRP for Dryland Agriculture, Parbhani (main centre) and at three villages of Parbhani districts in about 1250 farmer's fields through participatory mode. Fourteen out of 19 technologies entered into the university package. Further, these technologies were adopted by the Government of Maharashtra in its flagship programme on Jalyukta Shikar and Project on 'Climate- Resilient Agriculture'. The dryland technologies like farm pond, open well and bore well-recharging technology, conservation furrow, broad bed and furrow (BBF), tied ridging, intercropping, contingency crop planning and stress management practices were implemented on farmer fields. The weather forecasting and the agro advisory were timely provided to the farmers of the National Initiative on Climate Resilient Agriculture-adopted village. Custom-hiring centres were established. Further, the centre is imparting training to the officials of the State Department of Agriculture, and line department, KVKs, NGOs, Agricultural Technology Management Agency officials as well as farmers. The centre is playing a key role in providing technical inputs to the mission mode projects like Dryland Farming Mission and Project on Climate Resilient Agriculture of Government of Maharashtra for drought proofing of Marathwada region. The team of scientists of AICRP for Dryland Research Station includes Dr B.V. Asewar, Dr Madan Penke, Dr Surendra Choulwar, Dr Anil Gore, Dr Megha Jagtap, Dr Ganesh Gaikwad, Dr Papita Gourkhede, Dr Ravindra Chary of CRIDA, Hyderabad were recipients of the award.

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