



# IAUA NEWS

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## Spot News

### Ranking of Agricultural Universities

S. No.	Institute ID	Name	City	State	Score	Rank in 100
1.	IR17-I-2-18500	Banaras Hindu University	Varanasi	Uttar Pradesh	58.92	3
2.	IR17-I-2-1-243	Indian Agricultural Research Institute	New Delhi	Delhi	51.20	15
3.	IR17-I-2-15598	Tamil Nadu Agricultural University	Coimbatore	Tamil Nadu	48.84	17
4.	IR17-I-1-30713	Punjab Agricultural University	Ludhiana	Punjab	44.99	24
5.	IR17-I-2-1-697	Tamil Nadu Veterinary & Animal Sciences University	Chennai	Tamil Nadu	42.48	38
6.	IR17-I-2-18276	Anand Agricultural University	Anand	Gujarat	42.26	40
7.	IR17-I-2-18214	Guru Angad Dev Veterinary & Animal Sciences University	Ludhiana	Punjab	40.10	50
8.	IR17-I-2-1-178	Dr. Y.S. Parmar University of Horticulture & Forestry	Solan	Himachal Pradesh	39.54	51
9.	IR17-I-2-18446	Rajasthan University of Veterinary & Animal Sciences	Bikaner	Rajasthan	36.78	68
10.	IR17-I-2-1-670	Sri Venkateswara Veterinary University	Tirupati	Andhra Pradesh	35.92	78

\*<https://www.nirfindia.org/universityranking.html>

By: MHRD, National Institute Ranking Framework (NIRF)-2017  
Total Indian Universities-789

## Focus on Universities: Events and Achievements

### Central Universities

#### CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL

##### Agriculture for Employment Generation

The College of Agricultural Engineering and Post Harvest Technology (CAU, Imphal), Ranipool, Gangtok, Sikkim organized a Model Training Course on 'Secondary Agriculture for Employment Generation in Rural Areas', sponsored by the Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi, during 17-24 Oct, 2016. Twenty participants attended the course. The programme was organized by Dr Angad Prasad, Deputy Director of Extension, as Course Director.



Course Participants

##### Machines for Processing of Horticultural Produce and Bakery Products

The Department of Process and Food Engineering, has been organizing demonstration series for farmers since May 2016 in the Farmers' Produce Processing Centre. In this series, about 123 farmers (38 female and 85 male) from East, West, South and North districts of Sikkim were benefited during the 4<sup>th</sup> quarter of the year. During these 13 one-day demonstration programmes, all farmers received hands on experience of operating the machines for processing of ginger, turmeric, vegetables including potato,



Demonstration of machines for ginger processing

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and bakery products like noodles and biscuits. Farmers appreciated the machines like slicers, grinders, dryers, etc. This demonstration series was sponsored by Food Security and Agricultural Development Department, Government of Sikkim.



Demonstration of machines for bakery products

### Portable Mulch Laying Machine

AICRP on PET, CAEPHT, Sikkim had organized a demonstration of the portable mulch laying machine. It was done in the farmer's field of village Assam Lingzey, East Sikkim on 28 December, 2016.



Demonstration of Mulching machine

### Regional Agri-Fair, 2016-17

CAU organized the CAU Regional Agri-Fair, 2016-17 during 10-12 November, 2016 at College of Agriculture, Iroisemba, (Manipur). The theme of the Fair was "Importance of organic farming and integrated farming system in second green revolution". During the Inaugural Function, Shri Radha Mohan Singh, Union Minister for Agriculture and Farmers' Welfare, was the chief guest. In his inaugural address, he highlighted the unlimited potential of agriculture in the north eastern states and elaborated the benefit of some of the centrally sponsored schemes. Padma Bhushan, Dr R. B. Singh, the Chancellor of CAU, Imphal, in his presidential address focused on organic agriculture. Dr M. Premjit Singh, Vice Chancellor, CAU; Dr K. M. Bujarbaruah, VC, AAU, Jorhat, and Directors of ICAR institutes, viz., Dr S. V. Ngachan; NRC on Pig; NRC on Mithun and Director, ICAR-ATARI, Zone - III graced the event besides other dignitaries. About 4,700 farmers from different states of North Eastern Region visited the mega event of the university. Prior to the inauguration of this three-day Agri Fair, Shri Radha Mohan Singh inaugurated the newly constructed building of Auditorium and Post-graduate Boys' Hostel of College of Agriculture, CAU, Imphal.



Shri Radha Mohan Singh and Dr M. Premjit Singh, with other dignitaries



Shri Radha Mohan Singh inaugurating the auditorium

### Documentary Film Festival

The Directorate of Instruction, CAU, Imphal organized a two days' Documentary Film Festival on Fisheries and allied issues in collaboration with Film and Cultural Society, North-East and the Indian Documentary Producers' Association in the College of Fisheries, Lembucherra, Agartala, (Tripura) during 1-2 Nov, 2016. Six documentary films were screened during this programme viz., Shores of Silence, Nero's Guests, One Man, One Cow, One Plane, Timeless Traveler's: Horseshoe Crab, Salmon Confidential, The Malagaon's Superman. Altogether 150 participants including 59 students and 13 staff members witnessed the film festival.



Lamp lighting at Film Festival

## DR RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA

### Kisan Mela

The university organized a grand Kisan Mela during 3-5 December 2016 to commemorate the birth anniversary of Dr Rajendra Prasad (3

December 1884), the first President of India, which also happens to be the foundation day of the university. The mela was inaugurated by Shri Radha Mohan Singh, Union Minister of Agriculture and Farmers' Welfare. In this mela, 150 stalls were erected, out of which 55 depicted the university achievements and future thrust areas, seven were by the ICAR institutions, two by International institutions like CIMMYT and BISA, five by banks, one by government (Aadhar Card), four by NGO and the rest were from private sectors like ITC group, seed, fertiliser, pesticide and implement firms etc. It was visited by over 8000 registered farmers along with many visitors from all age and gender groups.



Shri Radha Mohan Singh giving inaugural speech

## Deemed-to-be-University

### CENTRAL INSTITUTE OF FISHERIES EDUCATION, MUMBAI

#### National Consultation on 'Higher Fishery Education

ICAR-CIFE, Mumbai organized National Consultation on 'Higher Fishery Education' on 16 Dec, 2016. The consultation meet was attended by the Deans of Fisheries Colleges of the different states and Directors of ICAR Fisheries Institutes of the country.



Participants with Director, CIFE

In his inaugural address, Dr Gopal Krishna, Director, ICAR-CIFE, expressed that the goal of Blue Revolution can be achieved by strengthening the fisheries education in the country. This will help in developing quality human resource with adequate expertise in the frontier areas of fisheries. Dr N.P. Sahu, Dean (Academics), highlighted the scope of fisheries education for the development of fisheries sector. Dr G. Venkateswarlu, ADG, ICAR presented glimpses of various ICAR schemes launched by the ICAR to improve the quality of higher education. Dr P. Jayashankar, Director, ICAR-CIFA advocated strongly to incorporate the elements of entrepreneurship in higher fisheries education. Dr A.K. Singh, Director, ICAR-DCFR, Dr Massod Balki, Dean, CoF, J&K and Dr B.K. Das, Director, ICAR-CIFRI also expressed their views and suggestions during the discussion. The recommendations of the event will facilitate reforms in higher fisheries education in the country.

## Universities

### ANAND AGRICULTURAL UNIVERSITY, ANAND

#### Kisan Pathshala and Krushi Pradarshani

Krushi Vigyan Kendra, AAU, Anand organized a Kisan Pathshala and Krushi Pradarshani under Pradhan Mantri Fasal Bima Yojana at KVK, Devataj, Sojitra on 2 April 2016. Dr N.C. Patel VC, was the chairman, and Shri Dilipbhai M. Patel, Member of Parliament, was the Chief Guest, and 500 farmers and farm women participated.



Participants at event

#### Winter School at SMC College of Dairy Science

The Dairy Technology Department of SMC College of Dairy Science, AAU, Anand organized a 21-days ICAR-sponsored Winter School on

'Innovative approaches, Value Addition in Dairy Products and Future Prospects in Dairy Industry'. The Winter School was inaugurated on 16 Nov, 2016. Dr N.C. Patel, VC, AAU, Anand presided over the function; Dr K. Rathnam, Managing Director, Kaira District Co-operative Milk Producers' Union Ltd (Amul) was the chief guest; and Dr K.B. Kathiria, DR, AAU, Anand was the Guest of Honour. The course was attended by 18 participants from various parts of the country.



Dr N.C. Patel inaugurating

### Workshop on VERU

The training workshop on "Veterinary Emergency Response Operations" under Veterinary Emergency Response Unit (VERU), West Zone, India was organized at Veterinary College, Anand during 17-21 Oct, 2016. The Workshop was inaugurated by Dr N. C. Patel, VC, AAU. The guest of honour were Dr K. B. Kathiria, Director of Research & Dean P. G. Studies; and Mr R. K. Mishra, Assistant Commandant, National Disaster Response Force, 6<sup>th</sup> Battalion, Gandhinagar Shri Hansen T. Prem, Project Manager, World Animal Protection, New Delhi conducted the training sessions. The 66 students of final year B. V. Sc. & A.H. participated in the workshop.



On the dais, Dr N.C. Patel with dignitaries

### Nutraceuticals and functional foods

The Department of Biochemistry, B. A. College of Agriculture, and Indian Society of Agricultural Biochemists, Kanpur jointly organized an international conference on "Nutraceuticals and functional foods" at Anand Agricultural University during 6-8 Dec, 2016. The chief guest of the function was Shri Chimanbhai Saparia, Minister, Agriculture and Energy; Dr S. N Tyagi, Mission Director, GSBTM, Gandhinagar, Dr Rajender S. Ranu, Colorado State University, the USA were guests of honor. The function was graced by president, Dr N. C. Patel, VC, AAU. Dr K. B. Kathiria, D. R, AAU; and Dr K. P. Patel, Principal and Dean (Agriculture) were Coordinator and Chairman of the conference respectively. Dr J. G. Talati, Res. Sci. & Head, Department of Biochemistry was the organizing Secretary. Participants from various countries like the U.S.A, the U.K, Australia and Camroon, besides from various parts of the country presented their research work in the conference.

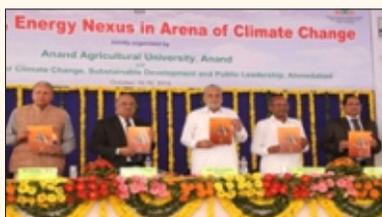


Dignitaries on the dais

Awards were distributed to young scientists for best oral and poster presentations. The ISAB conferred the Life-time Achievement Award to Dr Trilochan Mohapatra, DG, ICAR. The society also honored Dr N. C. Patel, VC, AAU, Anand, with award of honorary fellow of the society. Dr K. B. Kathiria, Dr K. P. Patel and Dr J. G. Talati were felicitated with excellence awards.

### Food-Water-Energy Nexus in Arena of Climate Change

An international conference on 'Food, Water and Energy Nexus in Arena of Climate Change' was organized jointly by AAU, Anand and NCCSD, Ahmedabad during 14-16 Oct, 2016. Shri Parshottambhai Rupala, Minister of Agriculture - State, Government of India; and Shri Chimanbhai Sapariya, Minister of Agriculture, Government of Gujarat, graced the inaugural function of the conference as a chief guest and



Shri P. Rupala with other dignitaries

guest of honour respectively. About 1,100 delegates participated in the conference, including students, academicians, scientists, farmers, administrators and policy makers. Foreign delegates from Florida A&M University, the USA; LYK School of Public Policy, Singapore; University of Southern Queensland, Australia; Kennesaw State University, the USA and IRRI, Philippines attended the conference. There were 4 plenary sessions, 8 technical sessions and 3 farmers' interaction sessions to deliberate on agriculture, energy, water, animal husbandry, market etc. themes in relation to climate change.

### CHAUDHARY CHARAN SINGH HARYANA AGRICULTURAL UNIVERSITY, HISAR

#### Bulletin on Mustard

A technical bulletin (no. 21/2016) "Agrometeorology of Indian mustard in Haryana (India)" authored by Shri Diwan Singh, Shri Anil Kumar, Mr VUM Rao, Shri Anurag, Shri Raj Singh and Shri Surender Singh, Department of Agricultural Meteorology, was released at the NICRA-AICRPAM Annual Review Meeting at ICAR-CRIDA, Hyderabad, held during 27 - 29 Apr, 2016.



Release of bulletin on mustard

### CHHATTISGARH KAMDHENU VISHWAVIDYALYA, DURG

#### One-Health Approach

The 12<sup>th</sup> National Conference of Association of Public Health Veterinarians and National Symposium on "One health: Approaches towards practice and future challenges" was organized at College of Veterinary Science & A.H., Chhattisgarh Kamdhenu Vishwavidyalya, Durg (Chhattisgarh) on 2-3 Dec, 2016. The following recommendations were made after the conference:-



Welcome of Dr Dodd Sledge, Prof. Michigan State University, USA

- To prevent mastitis, intramammary infusion should be given during the dry period.
- Practice of use of sono filters may be used for removal of arsenic from water in field condition.
- Fluorosis should be identified properly as public-health issue in the affected region.
- There is urgent need of robust surveillance, prevention and control measures of zoonotic emerging and re-emerging diseases at national level.
- More emphasis should be given on delivery system of vaccines in wild-life in Indian context, with development of new vaccines and diagnostics.
- Wild-life zoonosis should be looked in to through multi-dimensional approaches.

The conference was attended by about 150 delegates comprising scientists in different fields of veterinary public health, Zoonoses experts, Food Hygiene specialists, Human Health experts and many other important personalities from the country. Dr. Sushovan Roy, Professor & Head, Department of Veterinary Medicine was conferred with 'Award of Fellow of APHV' for the year 2016.

#### Veterinary Pathology Congress

Veterinary Pathology Congress-2016, XXXIII Annual Conference of Indian Association of Veterinary Pathologists, VII Annual Meeting of Indian College of Veterinary Pathologists and National Symposium on 'Innovative approaches for



Release of Veterinary Pathology Congress 2016 compendium

Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Poultry and Fish' was organized jointly by Indian Association of Veterinary Pathologists (IAVP) and Department of Veterinary Pathology, College of Veterinary Science & Animal Husbandry, Chhattisgarh Kamdhenu Vishwavidyalaya, Anjora, Durg (Chhattisgarh) during 9-11 Nov, 2016.

It was decided that a well-equipped Molecular Diagnostic Laboratory should be established at all the Veterinary Colleges and District veterinary Laboratories for early, reliable and quick diagnosis of various diseases.

- Veterinary Pathologists should be encouraged to think about the diseases of animals in totality involving epidemiological aspects.
- There is need to impart teaching on Anatomic Pathology for the beginners as per ICVP/ACVP, so that the possible diagnosis could be made on the spot.
- There is need to create specialization in different branches of Pathology, particularly Cytopathology, for precise diagnosis at small laboratory levels.
- Monitoring and surveillance of Glanders throughout the country need to be carried out systematically. to control Glanders in India and indirect ELISA test-kit facilities for mass screening in State / Regional Laboratories should be provided. Formulation of "National Policy on Control of Glanders" is required. "National Glanders Control Monitoring Committee" need to be established.
- Owing to rise in haemo- protozoan and helminthic infections in animals, there is need to look into the managerial and preventive or treatment aspects of livestock diseases.

## CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHWAVIDYALYA, PALAMPUR

### VC attends APAARI Meet at Taiwan

Prof. Ashok Kumar Sarial, VC, CSKHPKV, attended Expert Consultation on Best Practices in Agri-Food Innovations and General Assembly Meeting of Asia-Pacific Association of Agricultural Research Institutions (APAARI- in the Asia-Pacific region), held in Taichung city, Taiwan.



Dr A.K. Sarial with others

Prof. Sarial presented a paper on "Organic Farming in Hill Agriculture" and co-chaired a technical session on "Capacity Development in Agri-food Innovations". As Sarial offered promotion and sharing of the university's technology through co-ordinated research projects on 'Protected vegetable cultivation, polyhouses designs for snow-bound tribal areas, and House hold organic gardening for rural and urban areas' with Nepal Agricultural Research Council and World Vegetable Centre, Taiwan.

### Visit of ICAR Team

Four members Monitoring and Review Team of ICAR visited the university during 18-20 Oct, 2016 to assess the works undertaken through ICAR development assistance, Experiential Learning Unit and Niche Area of Excellence during XII plan and requirements of the university for the next three years.



VC with Committee Member

Dr S.L.Mehta, Chairman of the Committee, appreciated the university for improving the quality of education as reflected in increasing number of student fellowships of the university. He said that the video-conferencing facility should strengthen outreach programmes. He expressed satisfaction about new varieties and technologies developed by the university and their further dissemination to the farmers' fields. Prof Ashok Kumar Sarial thanked the Chairman and committee members for recommending two Experience Learning

Units, viz. Modernization of Tea Processing Unit for Value Addition and Honey Bee Production and Value Addition. He said that the recommendation for ICAR grant to the university for e-governance especially for automation of finance, administration and academic processes will enhance the efficiency of the university programmes.

## DR Y.S.R. HORTICULTURAL UNIVERSITY, TADEPALLIGUDEM

### Cassava

Edible sweet tapioca genotype (NC 4.14/ PA-46), collected from Balijipeta mandal of Vizianagaram district, was evaluated by comparing with other edible genotypes. Out of the edible genotypes tested, NC 4.14/ PA-46 recorded less amount of HCN (24.6 ppm), high percentage of total sugars (11.4 %) and tuber yield of 2.2 kg/plant.



Tapioca NC 4.14/ PA-46

### First Horticulture Show and Mango Festival

The university arranged an exhibition stall during its first Horticulture Show and Mango Festival organized jointly by Department of Horticulture, Government of Andhra Pradesh, and CII at Loyola College grounds, Vijayawada, from 23 to 25 May, 2016.



Horticulture show and mango festival

Different technologies on cultivation of various horticultural crops, varieties developed by the university and diversity in mango were displayed during the exhibition. Shri Pathipati Pulla Rao Garu, Minister for Agriculture and Horticulture, accompanied by Dr B.M.C. Reddy, VC, visited the university stall on 23 May, 2016.

## GURU ANGAD DEV VETERINARY AND ANIMAL SCIENCES UNIVERSITY, LUDHIANA

### Minimally Invasive Surgical Techniques

The Department of Veterinary Surgery and Radiology Centre of Advance Faculty training conducted the 29<sup>th</sup> advanced training course on "Diagnostic Imaging and minimally invasive surgical techniques for veterinary patients". This training programme was sponsored by ICAR, New Delhi. Twenty four scientists from various veterinary institutes across the country from 11 states and 17 institutions participated in the training. The participants were trained on various diagnostic imaging techniques and minimally invasive surgical procedures like endoscopy, C-arm guided procedures, biological osteosynthesis, doppler ultrasonography, echocardiography, cataract surgery by phacoemulsification and intra-ocular lens implantation.



Demonstration of Minimally invasive surgical techniques

### Conference of Indian Meat Science Association

International Symposium and 7<sup>th</sup> Conference of Indian Meat Science Association on "New horizons for augmenting meat production and processing to ensure nutritional security, food safety and environmental sustainability" was organized by Department of Livestock



Dignitaries releasing compendium in International Conference of Indian Meat Science Association

Products Technology. More than 200 scientists, academicians, researchers and post-graduate students from all over the world attended the conference. Dr Harpreet Kochhar, Chief Veterinary Officer in Canada and Associate Vice-President of *Canadian Food Inspection Agency* was the chief guest for the conference. Dr C.K. Thota, Director, Allansons Pvt. Ltd, and Mr O.P. Arora, Chairman, AOV group both were guests of honor. Two MoUs were also signed with Raja Food and Kansal Agro Food for value addition of egg products with special emphasis on egg paneer. A compendium and CD of lectures were released by dignitaries and officers of the university. The IMSA Lifetime Achievement awards 2016 and Innovative Entrepreneurship award were also conferred.

### Novel Way for Disseminating Information to the Livestock Farmers

'Green Sims' have been provided to the livestock farmers of Punjab in association with IFFCO Kisan in Public Private Partnership mode. 'Green Sims' is a normal mobile sim, which will be used through a mobile phone. Farmers will receive three calls (voice messages) daily from livestock experts of different fields for their whole life. These registered farmers will be further categorized according to their farming needs. 'Green Sims' were distributed to 14 farmers who attended the specialized goat training at GADVASU. With these sims the farmers can directly contact the experts and will be getting regular voice calls. This will create a two-way channel for updating the knowledge of the farmers, and the feedback will be received for assessing the real field situation, to help in redesigning research strategies.



Dr H.K. Verma, DEE distributing Green Sims

### GOVIND BALLABH PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

#### Workshop on Agricultural Journalism

A national workshop on agricultural journalism was organized on 6 and 7 May 2016, as a part of golden-jubilee celebrations of a monthly farm magazine of the university, *Indian Farmers' Digest*. The workshop was organized by Department of Agricultural Communication and



Dr Mangala Rai, delivering inaugural address

Communication Centre. The main purpose of this workshop was to link agricultural journalism with main-stream journalism, so that the success and failure of agricultural technologies could be highlighted through various modes of mass media, viz. newspaper, TV channels, radio/community radio, social media etc. Besides, it also aimed at making agriculture a part of the news stories of mass media to solve the problems of farmers and make agriculture a business-like venture through active participation of media houses.

A number of representatives from different media houses, experts of the field and farm journalists took part in this workshop, and discussed at length and breadth the causes and remedies of pathetic situation of farm journalism in the present-day mass media. The workshop came out with significant recommendations including giving important place to agricultural development under social responsibility of media houses, strengthening agricultural journalism and giving professional angle to it, training rural reporters with the help of media representatives, including developmental journalism as a course at post-graduate level and as elective course at under-graduate level in agricultural universities, establishing social media unit at agricultural institutions etc. It was emphasized that the university should play a lead role in correcting this situation.

### Launch of Software for On-line Management System

Dr Mangla Rai, VC, launched Integrated Management System for the university on 1 June 2016 by clicking the button of the mouse in the presence of Shri Pankaj Tiwari, University Comptroller. This software will be beneficial for all, including the employees, students and different offices of the university, as all the types of information related with them will be available on-line by this system. The system will reduce dependency on officers and offices for getting information.

This software was developed with the help of National Informatics Centre. Presently 19 modules have been prepared and a few more modules are under preparation. Different modules available in the software include pay-roll, human resource, budget allotment, court cases, letter monitoring, payment, student welfare, house allotment etc. With the help of this software each employee can see full details such as salary and details of different deductions, on Employee's Corner. Budget allotment and demand will also be on-line.

### 30<sup>th</sup> Convocation

The 30<sup>th</sup> Convocation of Pantnagar University was organized on the foundation day of the university on 17 November 2016. The Governor of Uttarakhand and Chancellor of the university, Dr K.K. Paul, was the Chief Guest of the function, who delivered convocation address. The



Dr K.K. Paul, delivering convocation address

Member of Parliament, Shri Bhagat Singh Koshyari, was the special guest on this occasion. Vice-Chancellor, Dr J. Kumar, presented a report of the recent achievements of the university.

In this convocation 1,253 undergraduate, postgraduate and Ph.D. degrees were awarded to the students. The Chancellor's Gold Medal, for the best undergraduate student, was given to Mr Ashutosh Bhatt. Besides, 15 vice-chancellor's gold medal, 11 silver medal and 10 bronze medals were also given to the meritorious undergraduates. Six students were given different awards including Shri Puran Anand Adalkha Award, Saraswati Panda Award, Nagamma Shanta Bai Award, Dr Ram Shiromani Tiwari Award and Choudhary Charan Singh Smriti Pratibha Puraskar.

### Inauguration of 100<sup>th</sup> Farmers' Fair

Pantnagar University's 100<sup>th</sup> farmers' fair-cum-agro-industrial exhibition, popularly known as *Kisan Mela*, was organized during 17-20 Oct, 2016 at the main campus at Pantnagar. The fair was inaugurated by Dr Krishan Kant Paul, Governor of Uttarakhand and Chancellor of the University, by cutting the ribbon. On this occasion, Dr J. Kumar, VC; Shri Rajesh Shukla, local MLA; Dr Y.P.S. Dabas, Director of Extension Education; and other dignitaries were present. After inaugurating the fair, H.E. Dr K.K. Paul, was taken for a round of the farmers' fair and was shown activities at Innovation Stall, Hill Agriculture Stall and Horticulture Exhibition.



H.E. Dr Krishan Kant Paul inaugurating Farmer's Fair

The closing and prize distribution ceremony was organized on 20 Oct, 2016. Former Director, Extension and Communication, Dr Shiv Sagar Singh, was the chief guest of the ceremony who presented prizes to the winners of different competitions held during the fair and different categories of stalls put up in the fair. The stall of M/s Shaktiman, Rajkot, (Gujarat), was awarded Overall Best Stall and M/s Core Tech Agric. & Bio Solutions Private Ltd, New Delhi, was adjudged the Best Performance Stall. This 4-day seminal event attracted thousands of visitors, including 18,000 farmers registered in the fair from Uttar Pradesh, Bihar, Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Madhya Pradesh, Gujarat, Delhi, Chhattisgarh, Jharkhand and other states of India, besides Uttarakhand. About 300 big and small stalls were put up in this fair.

## Pulse Seed Production under Pulse Seed Hub

The Pulse Seed Hub Project of the ICAR was launched in the university in August 2016. During the *kharif* rainy season 169 q breeder seeds of Urd bean (black gram) variety, PU-31; 218 q seed of moong (green gram) varieties, Pant Moong-2 and Pant Moong-5; and 105 q breeder seed of pigeonpea variety, UPAS -120 and PA-291, were produced.

During the *rabi* winter 2016 crop season chickpea variety PG-186 was sown in 10 ha area, variety PGK-1 in 09 ha area; and lentil variety PL-8 in 10 ha, PL-7 in 03 ha and PL-6 in ha area. Field pea variety Pant P-13 was sown in 3 ha, Pant P-14 in 1.5 ha and Pant P-42 in 01 ha area.

## JUNAGDAH AGRICULTURAL UNIVERSITY, JUNAGADH

### New Varieties

#### Wheat

##### Gujarat Junagadh Wheat 463

Wheat variety GJW 463 was approved by 12<sup>th</sup> Combined Joint AGRESCO meeting of agricultural universities of Gujarat, held during 11-13 Apr, 2016 at Navsari Agricultural University. This variety has recorded 5575 kg/ha grain yield under early sown condition, which was 28.1%, 30.0%, 21.7% and 12.9% higher than of the check varieties GW 496 (3,338 kg/ha), Lok 1 (4,287 kg/ha), GW 366 (4,565 kg/ha) and GW 190 (4,938 kg/ha) respectively. In comparison GJW 463 recorded 5,091 kg/ha grain yield under timely sown condition, which has 13.4%, 6.9%, 1.1% and 6.2% higher grain yield than the check varieties GW 496 (4,479 kg/ha), Lok 1 (4,763 kg/ha), GW 322 (5,037 kg/ha) and GW 366 (4,792 kg/ha) respectively. It possesses amber seed similar to that of GW 496. It is tolerant to rust disease. Its seed has also been registered vide National Identity Number IC 618476 at NBPGR, New Delhi for long-term storage.



Gujarat Junagadh Wheat 463

#### Onion

##### Gujarat Junagadh Red Onion-11

This red onion variety was recommended in 11<sup>th</sup> combined-joint AGRESCO meeting held at Anand during 7-9 Apr 2015, and was released for Gujarat excluding South Gujarat. The proposal was presented with South Gujarat data. Overall, this variety recorded bulb yield of 336.29 q/ha, which was 16.0%, 27.3% and 21.3% higher than the check varieties: AGFL Red (289.9 q/ha), Pilli Patti (264.2 q/ha) and Talaja Red (277.3 q/ha) respectively. It was found less pungent (pyruvic acid, 1.22 µM/g) compared with the check varieties AGFL-Red and Talaja-Red. Its bulbs are medium in size with flat globe shape and red colour. It was found 'good' compared with the check varieties against diseases and insect-pest reactions. The proposal was approved by the house for South Gujarat too.



Gujarat Junagadh Red Onion- 11

##### Gujarat Junagadh White Onion-3

This white onion variety recorded a bulb yield of 398.06 q/ha, which was 20.8%, 11.3% and 7.8% higher than the check varieties, PWF-131 (329.54 q/ha), GWO-1 (357.75 q/ha) and qualifying variety GAWO-2 (369.26 q/ha) respectively. Its bulbs contain higher total soluble solids (13.15%) compared with the check varieties, viz. PWF-131 (12.80%), GWO-1 (12.88%) and GAWO-2 (12.18%) respectively. Bolting per cent and jointed bulb per cent were less than in the check varieties, and its bulbs were medium



Gujarat Junagadh White Onion- 3

in size, with flat globe shape and white colour, preferred by the industry. The proposal was approved by the house for whole Gujarat.

## Foundation stone Laying of KVK, Morbi

Foundation stone of KVK, Morbi was laid on 27 Oct, 2016 in the auspicious presence of Shri Parshottam Rupala, Minister (State), Agriculture & Panchayati Raj, Government of India, New Delhi and Shri Chimanbhai Sapariya, Minister of Agriculture & Energy, Government of Gujarat, Gandhinagar; Shri Jayantibhai Kavadiya, Minister of State, Panchayat, Rural Housing and Rural Development, Government of Gujarat, Gandhinagar; Shri Mohanbhai Kundariya, former Minister of Agriculture (State), Government of India, New Delhi; Dr A. K. Singh, Deputy Director General (Agric. Ext.), ICAR, New Delhi; and Dr A. R. Pathak, Vice Chancellor, JAU, Junagadh.



Foundation stone laying of KVK, Morbi

## 25<sup>th</sup> ZREAC Meeting

The 25<sup>th</sup> ZREAC (*Rabi-Summer*) meeting of South Saurashtra Agro-climatic Zone was held in the seminar hall of CAET, JAU, Junagadh during 7-8 Oct, 2016. Dr A. R. Pathak, VC, JAU, Junagadh inaugurated the meeting. Dr T. Radhakrishnan, Director, DGR, Junagadh and other Deans and Directors, faculty members, scientists/teachers of the university, officers of Line Department and all the members remained present in the meetings. In his presidential address, Dr Pathak congratulated the scientists on good number of valuable recommendations as well as sufficient new technical programmes. In this meeting one variety of castor GJCH 8, 14 recommendations for farmers, 10 recommendations for scientific community and 33 new technical programmes were approved by the house for *rabi-summer* season of South Saurashtra region after healthy discussion.



Model Training Course on "Water Security & Challenges in the Arena of Climate Change

## Vibrant Gujarat Start Up, 2016

As a part of the "Vibrant Gujarat Start up Summit - 2016", held on 21-22 Oct, 2016 at Gandhinagar, and a workshop was organized on 8 Oct, 2016 at CAET, JAU, Junagadh to make the students aware of state-level start-up summit. Dr A. R. Pathak, VC, JAU, Junagadh inaugurated the workshop.



Vibrant Gujarat Start-up Programme-2016

This programme was organized through the financial assistance of FICCI Gujarat State Council, Gandhinagar. In this programme, UG and PG students of various disciplines participated and obtained valuable information about the activities of entrepreneurship development.

## KAMDHENU UNIVERSITY, GANDHINAGAR

The 41<sup>st</sup> Vice Chancellors' Convention sponsored by Indian Agricultural University Association and was organized by Kamdhenu University, Gandhinagar, Gujarat during 20-21 Dec, 2016 on the theme of "Food for Health under Climate Change"

The inaugural function was held on 20 Dec at Nirma University, Ahmedabad. Shri Vijaybhai Rupani, the Chief Minister of Gujarat, was the chief guest of the function. Shri Parshottambhai Rupala, Minister of State for Agriculture, Farmers Welfare & Panchayati Raj, Government of India, New Delhi; Shri Babubhai Bokhriya, Minister for

Animal Husbandry, Fisheries & Cow Breeding, Government of Gujarat; Shri. Chimanbhai Sapariya, Minister of Agriculture and Energy, Govt. of Gujarat, and Dr. Karsanbhai Patel, President, Nirma University, Ahmedabad were the guests of honour. Vice Chancellors of member universities of IAUA, Directors, Deans, Senior officers, Ph.D. scholars and students of State Agricultural and Veterinary Universities of India participated in the Convention. Dr D. B. Patil, Director of Research & Dean PG Studies, KU, Gandhinagar, was Organising Secretary of the Convention.



Participants of the 41<sup>st</sup> VCs Conference

Shri Vijaybhai Rupani, the Chief Minister of Gujarat welcomed all Vice Chancellors coming from different states of India to the state of Gujarat. He also appreciated agricultural scientists and farmers of Gujarat for their hard work, leading to double-digit growth in agricultural sector of Gujarat. He also promised that Gujarat will continue to provide best inputs in terms of water, electricity, quality seeds and technological inputs to farmers of the state to intensify agricultural growth and increase the income of the farmers.

During the Inaugural Ceremony, Prof. Varshneya narrated the key role of the Vice Chancellors in fulfilling the objective of 'Food for health and doubling the farmers' income in five years' as per the wishes of Shri. Narendrabhai Modi, the Prime Minister of India. Shri Parshottambhai Rupala, Guest of Honour addressed the gathering and advised the Vice Chancellors of Agricultural Universities for developing the varieties suitable for changing the climate scenario in the country. A book entitled *Droughts and the Way Forward* edited by Prof. M. C. Varshneya, along with Co-editors Shri Anil Javalekar, Dr R. G. Shah and Dr D. B. Patil and published by Kamdhenu University, was released by Shri Vijaybhai Rupani, and other dignitaries. Dr N. C. Patel, the Secretary General of IAUA and VC, AAU, Anand proposed the vote of thanks. During the Convention, five Technical and one Plenary Sessions were conducted at Eulogia Inn, Ahmedabad, Gujarat on 20 – 21 Dec, 2016.

Prof. M. C. Varshneya, President, IAUA, New Delhi & VC, KU, Gandhinagar, Gujarat. He laid emphasised on the critical input/availability of water for agriculture in the near future. Further, he suggested to the house to devise a way to solve the problem of water scarcity and to adopt strategy for "Per Drop More Crop". He also suggested low cost technology should be devised for the use of desalinated water in agriculture through innovative ways and ideas cheaper technology should be developed for desalination of sea water. Members of the house also expressed that rivers of the country should be linked and the possibility for extraction of the water from the clouds should be explored to mitigate the challenges of water scarcity in the context of climate change. Seven region-wise Committees were formed to prepare framework of National Action Plan for climate change needs. It was agreed that the National Action Plan will be finalized and submitted to the ICAR/Government for implementation.

## KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES, PANANGAD

### Unethical/Toxic Preservatives in Fish Samples

Fish is an important food stuff and major source of protein all over the world. Many populations depend on fish as a part of their daily diet, and this dependence is usually higher in the developing countries than in the developed ones. In addition, fish is considered as a cheaper source of animal protein. India is a major producer of fish and ranks second in the world after China. As fish is highly perishable, fish sellers apply fish with preservatives like ammonia, formalin, sodium benzoate etc. to extend their shelf-life, make it stiff as well as fresh appeal for longer period of time. These chemicals have been declared as a potential carcinogen and mutagen and thus harm the health of human beings.

Based on these situations, a study was conducted in Ernakulam

district of Kerala to find out the presence of formalin in fish samples. Fish samples were collected from different markets in Ernakulam district. The presence and extent of formalin was tested spectrophotometrically at 420 nm by Nash's Test. The formalin content was found high in expensive fishes like Tuna, Reba, Eari, Crab and White Pomfret.

## LALA LAJPAT RAI UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, HISAR

### Visit of VCI Team

A team of 3 members of Veterinary Council of India visited the university during 9-11 Feb. 2016. The team included Dr Vaishwaraj, Prof. & Head, Bidar Veterinary University, Bidar, (Karnataka); Dr M.R. Sashendranath, Veterinary University, Kerala; and Dr R.P. Pandey, DUVASU, Mathura, (U.P). They visited



Maj. Gen. (Dr) Shri Kant, with members of VCI team

different departments of the university including Department of Veterinary Anatomy, Veterinary Public Health and Epidemiology, Veterinary Microbiology, Livestock Products Technology, Animal Breeding and Animal Biotechnology etc. They inspected the facilities available for teaching, research, availability of technical manpower including the teachers, space for conducting practicals and the various types of instruments available. Members of the team also visited the university's animal farm and Teaching Veterinary Clinical Complex, and sought information from the students and animal owners present regarding the facilities being extended to them. The team also met Maj. Gen. Shri Kant, VC, and were briefed regarding the different research schemes and teaching activities going on in the university. He also informed them about some future plans including admission of students in College of Dairy Science and Technology in the coming session, and appointment of new faculty members as well as other non-teaching staff. The team will submit a detailed report about this college in this regard to Veterinary Council of India.

### Admission in College of Dairy Science and Technology, for 2016-17 session

According to the NAARM, Hyderabad and IARM, New Delhi, the demand of graduates in Dairy Science and Technology was 17,807 in 2010 far too short than the students admitted during 2014. This demand is projected to grow to 29,920 by 2020, with an increase of 1,200 graduates each year. This indicates a huge gap in the capacity of educational institutions offering Bachelor programme. This university (LUVAS) has established a new College of Dairy Science and Technology at Hisar from the academic session 2016-17. This college will have 5 departments, viz Dairy Technology, Dairy Engineering, Dairy Chemistry, Dairy Microbiology and Dairy Business Management. The college will provide B. Tech. (Dairy Technology) degree of 4 years duration. The course will run under semester system. This degree programme will offer intensive training in processing and quality control of milk and dairy products, and engineering aspects of dairy-processing equipment.

## MAHARASHTRA ANIMAL AND FISHERIES SCIENCES UNIVERSITY, NAGPUR

### Seminar on Development of Fisheries in Vidarbha

A seminar on "Development of fisheries in Vidarbha" was organized by AGROVISION Foundation, Nagpur in collaboration with College of Fishery Science, MAFSU, Nagpur on 14 May, 2016. Shri Nitin Gadkari, inaugurated the seminar, Shri Chandrashekhar Bawankule, State Minister



Shri Nitin Gadkari addressing gathering

Energy, New and Renewable Energy, Nagpur, Dr C. D. Mayee, former Chairman, ASRB, New Delhi, Dr M. V. Joshi, Acting, VC, MAFSU, Nagpur and Dr R. S. Dalvi, Associate Dean, College of Fishery Science, Nagpur were present. The seminar was attended by farmers, fishermen and entrepreneurs in the region.

### Visit of Shri Mahadeoraoji Jankar

Shri Mahadeoraoji Jankar, Minister for Animal Husbandry, Dairying & Fishery, Maharashtra State and Pro-Chancellor, MAFSU, Nagpur visited the MAFSU headquarter on 11 Nov, 2016. Prof. A. K. Misra, VC, welcomed him at the university headquarter and presented detailed information on the on-going projects and other activities of the university and its constituent colleges. Shri Jankar expressed pleasure on the work done in the university and assured full support to solve the problems related to administrative and financial issues. He assured financial help for RKVY projects, radio station, media Laboratory, construction of buildings for College of Fishery Science, Nagpur and College of Dairy Technology, Udgir, besides help in regularization of workers engaged on contract basis.



Prof. A. K. Misra, VC, welcoming Shri Mahadeoraoji Jankar

### Foundation Day and National Agriculture Education Day

The university, celebrated its 16<sup>th</sup> Foundation Day on 3 Dec, 2016. The Agriculture Education Day was also observed in the memory of Bharat Ratna Dr Rajendra Prasad on the occasion of his birth anniversary. The Agriculture Education Day was observed for promoting the spirit of agriculture and allied subjects among the school students. Shri Kantilal Umap, Commissioner (AH), Maharashtra inaugurated the programme organized at Nagpur Veterinary College, Nagpur. Prof. A. K. Misra, VC and Chairman of the function, delivered the Foundation Day Lecture on "Livestock sector: A growth engine of Indian economy". Blood donation camp was organized at Veterinary College campus in association with Rainbow Blood Bank, Nagpur, followed by Specialty Animal Health Camp on Nephrology, Cardiology, anti-rabies vaccination, Laboratory diagnostics organized at Teaching Veterinary Clinical Complex, Nagpur. The programme was followed by distribution of prizes and certificates to the successful students and staff members.



Prof. A. K. Misra, delivering lecture

### NANAJI DESHMIKH VETERINARY SCIENCE UNIVERSITY, JABALPUR

#### Conservation of Superior Genetics

The technique of processing and preservation of epididymal spermatozoa from slaughtered or dead buffalo bull for in vitro fertilization was developed in the University, which resulted in consistent production of excellent-quality developmentally competent blastocysts in the laboratory. A successful pregnancy was also established in the recipient buffalo after transfer of in vitro produced embryo germplasm of male and female derived from slaughter house and was successfully carried till eighth month but was aborted due to unknown reason. The calf production using this technique will open new frontiers in research and can be successfully applied as the last option of conservation of superior male animals even after their death. The research was carried out by Dr Manish Kumar Shukla, as a part of his doctoral research under the supervision of Dr O.P. Shrivastava (Professor & Head, Veterinary



Dr Manish Kumar Shukla

Gynaecology & Obstetrics) and Dr B.C. Sarkhel (Director, Animal Biotechnology Center).

#### Cataract Surgery in dog

The phacoemulsification procedure along with intra-ocular lens implantation for cataract surgery was performed for the first time in M.P. by a team of Dr V.P. Chandrapuria, Professor & Head Surgery and Radiology; Dr Babita Das, Assistant Professor and a Ph.D. scholar of N.D.V.S.U, Jabalpur. After this phacoemulsification, the procedure of Intra-ocular lense 41D of different design and biomaterials is being implanted with satisfactory results.



Operation with phacoemulsification machine and ophthalmic microscope

### PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

#### Management-Development Programme

A Management-Development Programme on "Strategies for enhancing the performance of research managers of Punjab Agricultural University" was held at PAU during 26-30 Apr, 2016. The programme was co-ordinated jointly by National Academy of Agricultural Research Management, Hyderabad and Education Technology Cell, PAU. A total of 28 heads of departments of PAU participated in the course.



Dr B.S. Dhillon, giving certificates to participants

During the programme, various experts, viz. Dr R.V.S. Rao, Dr D.D. Verma, Dr M.M. Anwer, Dr K.H. Rao and Dr Sandeep Kapoor, shed light on leadership effectiveness, motivation, interpersonal relationships, change management, financial management in government departments, organizational behaviour, experiential approach for team-work and leadership etc. On the concluding day, Dr Baldev Singh Dhillon, VC, gave away the certificates to the participants. In his concluding remarks Dr Dhillon informed that apart from IARI, New Delhi, PAU, Ludhiana is the only SAU to have outsourced such a programme to NAARM, and hoped that the heads of various departments with newly learnt leadership behaviour and team working skills would motivate the faculty members in achieving new heights in research, teaching and extension.

#### Visit of ICAR Monitoring and Review Team

A Monitoring and Review Team from the ICAR, headed by renowned scientist, Dr Gautam Kalloo, former VC, JNKVV, Jabalpur, visited the PAU to review the utilization of funds allotted by Education Division of the ICAR. Dr M.B. Chetti, ADG(HRD), ICAR, New Delhi; Dr S.R. Maloo, former Dean, RCA, Udaipur; Shri Ashish Roy, Joint Director (Administration), NAARM, Hyderabad; and Shri Suresh Chandra, CF&AO, Central Institute & Fisheries Education, Mumbai were the other members of the team. While welcoming the team, Dr B.S. Dhillon, VC, shared that the regular financial support from the ICAR had helped the PAU to maintain excellence in education and to grow from strength to strength. Dr Neelam Grewal, Dean, Post graduate Studies, dwelt upon the history of PAU and the 10 Under-graduate and 72 Post-graduate programmes being run by the university. Apart from highlighting the utilization of ICAR funds, Dr Grewal also shed light on about 700 papers published by the students and faculty members of PAU during 2012-13 to 2015-16. The 'Best Educational Practices' followed at PAU were also shared as these had led to filing of 15



Interaction with ICAR team

patents and commercialization of 21 technologies during these years. As a part of the visit, the team members held discussions with the faculty members and students and inspected the college laboratories and other infrastructure of the university. Dr Kalloo, while applauding the activities of the university, said that besides working for the empowerment of the agricultural sector, PAU has created an excellent academic environment for the students. He suggested for the development of a knowledge bank in the university. Dr S.R. Maloo lauded the efforts made by PAU for commercialization of its technologies. Dr M.B. Chetti appreciated the 'Best Educational Practices' prevalent at PAU with special mention of the Experiential and Learning Units on Apiculture, Bakery and Confectionary and Apparel Manufacturing.

### Golden Jubilee of College of Basic Sciences

The College of Basic Sciences and Humanities, PAU, organized Alumni Meet during 18-19 Nov, 2016 to mark the Golden Jubilee of its inception. Dr Baldev Singh Dhillon, VC, PAU inaugurated the Meet, held under the aegis of Association of Basic Sciences and Humanities Alumni (ABHA). Dr Gurinder Kaur Sangha, Dean of the College and President, ABHA informed that this meeting witnessed a participation of more than 500 students and alumni. A galaxy of venerable scientists, researchers and scholars, who have been recipients of prestigious awards and have occupied highest offices in the country and abroad had assembled on the occasion. These included Padma awardees Dr S.S. Johl and Dr Surjit Patar; former Vice Chancellor of Guru Nanak Dev University, Amritsar and Central University, Bathinda, Dr Jai Rup Singh; former State Information Commissioner, Shri PPS Gill and Editor, Punjabi Jagran, Shri Varinder Walia.

### New Varieties

- **Superior Seedless grapes:** Bunches of Superior Seedless grapes are loose and medium to large in size with seedless, amber-coloured and crisp berries. It has TSS content of 17% and acidity 0.51% and is suitable for table purpose. It gives average yield of 240 q/ha on Y-trellis system.



Seedless Grapes

- **Kagzi bael:** Fruit of Kagzi bael is small sized (1.2 kg) with thin shell, fewer seeds and higher percentage of pulp. It has TSS content 28-32% and gives average yield 107 kg/ tree. Fruit harvesting begins in mid-April and continues till mid-May under Punjab conditions.



Kagzi Bael

### Production Technologies

- Grain yield of wheat varieties PBW 677 and PBW 725 as inter-crop in 3-year and 4-year old poplar plantations (8m x 2.5m spacing) was at par with grain yield of wheat variety WH 1105. Thus all these three wheat varieties are suitable for cultivation under the poplar plantation.

### Farm Machinery

- The PAU multipurpose high-clearance sprayer, having three types of nozzles, i.e. auto-rotating gun, boom and drop up types, performed better, killing 92-95 % white fly nymphs compared with 80-85 % with knapsack sprayer. Field capacity of High -clearance sprayer was 1.78 ha/ha compared with 0.80 and 0.08 ha/ha for rotate type and knapsack type sprayers respectively.
- **Auto-rotating gun sprayer** with carrying capacity of 150- 400 litres of spray material is effective for the control of sucking pests like



High-Clearance Sprayer

white fly in cotton. Auto-rotating gun sprayer performed better killing 85-90 % white fly nymphs compared with 80-85 % with knapsack sprayer. Field capacity of Auto-rotating gun sprayer is 1.42 ha/ha compared with 0.80 and 0.08 ha/ha through rotating and knapsack type sprayers respectively.



Auto-rotating Gun Sprayer

- **The PAU Super SMS: Straw Management System** is recommended to be attached at the rear of the combine harvester for chopping and distribution of loose straw. It saves pre-sowing irrigation due to soil-moisture conservation by the paddy-straw mulch.

## TAMIL NADU FISHERIES UNIVERSITY, NAGAPATTINAM

### Course on Fisheries Engineering

As per the MoU signed by the university and IIT, Kharagpur, a foundation course in Fisheries Engineering was organized by Department of Aquaculture Engineering, IIT, Kharagpur from 28 Dec. 2015 to 1 Jan. 2016. All the 10 newly recruited faculty mem-



Course on Fisheries Engineering

bers of College of Fisheries Engineering, Nagapattinam, attended the course. Prof. O.P Jha, Dean, Continuing Education Programme, IIT, Kharagpur, inaugurated it. Dr V.K. Tiwari, Prof. & Head, Department of Agricultural and Food Engineering; and Dr A. Tajuddin, Dean, spoke on 'Engineering interventions in fisheries sector'. Some of the topics covered were Design of aquaculture systems, Hatchery system design, High-pressure processing system, Refrigeration and freezing systems for aquatic products, Waste-water treatment system and Seepage control in aquaculture ponds. The faculty members were also trained in designing aerators and hatchery system for broodstock. Dr B.C. Mal, VC, JIS University, Kolkata; Dr M.H. Chandrakant, ICAR, CIFE, Mumbai; and Dr P.S. Rao, Associate Professor, Aquaculture Engineering, IIT, Kharagpur, were the resource persons.

### Aquatic Rainbow Technology Park

D. Jayakumar, Minister for Fisheries Thiru., visited the site of the Aquatic Rainbow Technology Park at the Advanced Research Farm Facility, Madhavaram, Chennai and inspected the progress of work of the scheme on 28 Dec, 2016. Dr K. Rathnakumar, VC (acting) and Registrar, TNFU; and Dr S. Felix, Dean, FC&RI, Ponneri and the Principal Investigator of the project, briefed about the works being carried out with respect to the ARTP project. The ARTP is the first of its kind in the country, established mainly for the development of advanced infrastructure and promote latest production technologies for ornamental aquaculture and improve the skills of ornamental fish culturists in the state of Tamil Nadu. This project is funded by the Tamil Nadu Innovations Initiatives 2015 -16 of the Government of Tamil Nadu.



Visit of the Fisheries Minister

### Contact classes for Farm School Programmes

The contact class for the All India Radio FSA programme on Ornamental Fish Culture Technologies broadcast by AIR, Chennai Station, was held at FCRI, Ponneri on 8 Nov, 2016. Dr M. Nagoor

Meeran, DEE, TNFU welcomed the participants and Dr S. Felix, Dean, delivered the presidential address. Th. Natarajan, Station Director, AIR, Chennai, the chief guest of the Programme highlighted the important role played by AIR in the dissemination of agricultural technologies to increase the food productions. In the interaction session Dr N. Felix, FITT; Dr. K. Rawaneswaran, Professor; Dr Balasundari, Professor; Dr Gopalakannan, Assistant Professor and Ms Agnes Dany Angela, Assistant Professor served as experts to answer the queries raised by the participants.



The Contact Class in progress

### Bio-diversity and Conservation of Aquatic Resources

A national-level workshop on “Biodiversity and conservation of aquatic resources” was organized at Fisheries Training and Research Centre, Prakkai during 10-11 Nov, 2016. Total of 12 presentations were made about the conservation of Aquatic resources were presented by scientists, experts and invited guest speakers. More than 100 delegates including scientists, research scholars and students from Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Jharkhand and West Bengal attended the workshop. A proceeding of the workshop was released during the inauguration of the programme on 10 Nov, 2016. In the inaugural session Th. Elango, District Revenue Officer, Kanya Kumari, delivered the Chief Guest address. Dr M. Nagoor Meeran, Director of Extension Education, Dr G. Sugumar, Dean, FCRI, Thoothukudi and Dr. K. Karal Marx, Dean, Faculty of Basic sciences, offered felicitations on this occasion.



Inauguration of Workshop

## UNIVERSITY OF AGRICULTURAL AND HORTICULTURAL SCIENCES, SHIVAMOGGA

### Krishi Mela 2016

The UAHS organized Krishi Mela 2016 from 21-26 Oct, 2016. The main theme of the mela was “Pulse for soil and human health”. Its objective was to provide detailed information about latest agricultural and horticultural practices at a time when the state is – under drought and is facing water scarcity. More than 450 stalls were setup on the campus where the farmers could get information on anything related to agricultural and horticultural crops such as seeds, crops, irrigation, pest and insect control, fisheries, cereals integrated farming. Different varieties of seeds of rice (paddy), areca, oil-seeds, pulses and flowers, organic farming and produces of organic farming were displayed.



Release of leaflets on pulses

Agricultural Minister Shri Krishna Byregowda inaugurated the Krishi Mela. Shri Kagodu Thimmappa, District Minister and Revenue minister, inaugurated the exhibition. Shri D.H. Shankar Murthy, Chairman of legislative council of Karnataka, graced the occasion. Two seminars were organized for the benefit of the farming community on the second and third day: On the first day on “Pulses for soil and human health” and on the second day “Micro irrigation

methods for efficient water utilization”. Seven progressive farmers and six progressive women were felicitated with Best District Farmers’ award from the seven districts coming under the jurisdiction. More than 4 lakhs farmers, farm women, extension workers, development department officials, self help group members and students benefitted from this participation in Krishi Mela.



Felicitation of best farmers

### 2<sup>nd</sup> Convocation

The Second convocation of the university was held on 9 Dec, 2016 at Dr B. R. Ambedkar Bhavana, Shivamogga. Shri Krishna Byre Gowda, the Pro-Chancellor of the university and Minister for Agriculture, Government of Karnataka, presided over the function and conferred the degrees to all the graduates. Dr. S. Ayyappan, former Director-General & Secretary, DARE and NABARD Chair Professor, ICAR-NDRI, Bengaluru was the chief guest, who delivered the convocation address. He laid emphasis on the issues of Climate resilience, Crop diversification including intercropping of rain-fed crops, Adoption of low-cost agricultural technologies to reduce the cost of cultivation, and Timeliness, precision and resource conservation in farm operations. He appreciated the rapid growth and development of UAHS. During the Convocation 246 UG degree (B.Sc. Agri./Hort./Forestry), 120 M.Sc. and 5 Ph.D. students were conferred degrees.



2<sup>nd</sup> Convocation, UAHS, Shivamogga

### National Symposium

A National symposium on “Behavioural ecology and management of agriculturally important insects and other animals” was held in collaboration with Ethnological Society of India, at UAHS, Shivamogga during 27-28 Dec. 2016.



Dr S. Faizi inaugurating National symposium

Dr C. Vasudevappa, VC, presided over the inaugural function. A well known Ecologist from Trivandrum, Dr. S. Faizi, the chief guest, in his key-note address emphasized the importance of bio-diversity conservation to make our goal of sustainable agriculture possible.

The outcome of the symposium are:

- As Shivamogga is in the foot-hills of western ghats, efforts should be made to conserve bio-diversity. Farmers and policy-makers should be trained to create awareness about the importance of bio-diversity in agriculture, especially in plant protection.
- Efforts should be made to study and understand the behaviour and ecology of newly introduced insect pests and other animals affecting our crops in order to design IPM strategies. More funding for research in this line may be envisaged.
- The ownership and control of natural resources should be distributed in such a way that it sub serves the public good and safeguards the forests and wild life.
- Forest conservation laws should become stringent to conserve natural resources for the next generation.

## Awards

### CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL

#### Recognition to Faculty Member

The Distinguished Alumni Award was conferred to Dr Deepak Jhajharia, Associate Professor (Dep. of SWE, CAEPHT) for commendable contribution to engineering profession on 8 Oct, 2016 during the 14<sup>th</sup> Annual Meet – cum - Felicitation Programme-2016 at CTAE, MPUAT, Udaipur, (Rajasthan).



Award Certificate

### DR RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA

#### P.D. Mistry Award

Dr Abdus Sattar, Assistant Professor and Nodal Officer (Agro-meteorology) received "P.D. Mistry Award" for Best Ph. D. thesis from Association of Agro-meteorologists in India for the year 2016. The title of his thesis was "Agro-climatic characterization for assessment of crop potential under rainfed condition in Bihar". The Award includes a Gold Medal and a citation. The Award was given to him in the inaugural function of National Seminar, AGMET – 2016, "Climate-driven food production system: Agro-meteorological interventions", held during 20-22 Dec, 2016 at Tamil Nadu Agricultural University, Coimbatore.



Scientists receiving award

#### Life-time Achievement Award

Dr. R.C. Srivastava, VC, DRPCA, Pusa, received Life-time Achievement Award from Andaman Science Association on 8 Dec at Port Blair. The honour was bestowed by Dr Ramesh Chand, Member, Niti Ayog, in the gracious presence of DDG (Hort), Chairman, PVPFRA and others. During his career of 39 years in the ICAR, he held several progressively prestigious positions. Dr Srivastava has vast experience in establishing linkages with public and private, national and international institutions for effective implementation of the programmes undertaken.



Dr R.C. Srivastava

#### Jagjivan Ram Abhinav Kisan Puruskar, 2015 to a KVK farmer

Shri Jitendra Singh, an agricultural graduate and a progressive farmer of Namidih, Lalganj, district Vaishali, (Bihar) bagged National Jagjivan Ram Abhinav Kisan Puruskar (Jagjivan Ram Innovative Farmer Award) for the year 2015. Dr D.D. Patra, VC, BCKV, Nadia. It comprised cash amount of Rs 50,000



Shri Jitendra Singh receiving award

with travel grant to promote his achievement among the farmers. Shri Jitendra Singh has contributed to the formation of a farmers' group for horticultural crops (like mango and litchi) with scientific cultivation and organized marketing. He also involved the group for high-density okra cultivation, wheat-seed production and flower cultivation. He is practising neem-seed-kernel extract for insect-pest management. Shri Singh is actively associated with the KVK, Vaishali for technological trainings and demonstrations.

### CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHWAVIDYALYA, PALAMPUR

#### Gold Medal to Veterinary Surgeons

Dr Adarsh Kumar and Shri U.B. Farooq, Department of Veterinary Surgery & Radiology, Dr G.C. Negi College of Veterinary & Animal Sciences, CSKH.P. Agriculture University were awarded gold medal and certificate for the best paper and significant



Award ceremony

research contribution on "Ultrasonographic differentiation between true and false colic in horses" in Annual Congress and Symposium of Indian Society of Veterinary Surgeons, held at Chennai. Drs S.K.Sharma, Adarsh Kumar, Amit Kumar and Neha Kapil were also awarded appreciation certificate for small anaesthesia and the department got appreciation for scientific contributions in the areas of Diagnostic Imaging and Surgery in Large and Small animals.

### GURU ANGAD DEV VETERINARY AND ANIMAL SCIENCES UNIVERSITY, LUDHIANA

#### Award to Cadet Ravinder Kaur

Cadet Ravinder Kaur of 1 PB R&V SQN NCC, a student of college of Veterinary Science, was awarded ADG merit certificate, as she brought laurels to this unit, NCC GP LDH and PHHP & C Directorate and GADVASU in RDC 2016, through her outstanding performance by winning silver and bronze medals in show jumping and Hacks competitions at national-level Equestrian competitions. She was also felicitated by the Director-General, NCC for her contribution during the RDC & PM Rally 2016. The other cadet Mr Vishal Kumar also a student of College of Veterinary Science, was awarded Merit certificate for winning one Gold and One bronze medal at Republic Day Camp, 2016. Apart from these two cadets, Cadet Paramveer Singh, a fourth year student, also won a bronze medal in Hacks competition at RDC, 2016.



Cadet Ravinder Kaur

### GOVIND BALLABH PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

#### Dr K.G. Tejwani Award to Dr Salil Tiwari

Dr Salil Tiwari, Joint Director, Agro-forestry Research Centre of Pantvarsity, was honoured with the most prestigious award of agro-forestry, Dr K.G. Tejwani Award. This award was presented to him by Indian Society of Agro-forestry in recognition of his research work of last 25 years in agro-forestry on *sheesham*, bamboo and poplar, in a national seminar held at Central Agro-forestry Research Institute, Jhansi.



Dr Salil Tiwari receiving Award

#### Global Teacher Role Model Award to Dr S.B. Singh

Dr S.B. Singh, Professor, Department of Mathematics, Statistics and Computer Science, was conferred 'Global Teacher Role Model Award 2016' by Manushybal Vikash Loksewa Academy, Mumbai, (Maharashtra), in recognition of his meritorious services, outstanding performance and remarkable role as a teacher. The award was conferred in the 'Global Teachers Conference 2016' and 'MVLA Trust's National Level Education Summit 2016', held at C. D. Deshmukh Auditorium, India International Centre, New Delhi, on 30 Dec, 2016.

#### Young Scientist and Best Paper Awards to Dr Santosh Kumar Yadav

Dr Santosh Kumar Yadav, Assistant Professor, Department of Agronomy, College of Agriculture, received Best Paper Award in the

international conference on 'Recent advances in agricultural and horticultural sciences' held at Jodhpur (Rajasthan) during 30-31 Dec, 2016. Dr Yadav and Dr Jitendra Kumar, Post-Doctoral Fellow, Directorate of Extension Education, also received Young Scientist Award in this conference. These awards were given by Academic Research Journals (India), New Delhi.



Dr S.K. Yadav receiving Young Scientist Award

## JUNAGADH AGRICULTURAL UNIVERSITY, JUNAGADH

### Honor to Mr J.K. Jadhav

Mr Jaymin K. Jadhav, Research Associate, Department of Biotechnology, JAU, Junagadh won the International Young Scientist award for "Best Poster Presentation" of his research paper in material sciences. He won this award during 8-9 Dec., 2016 at International Science Congress, organized by International Congress Association, held at Pune (Maharashtra).



Young Scientist Award

## New Vice-Chancellors

### Dr D.D. Patra joins as VC, BCKV, Mohanpur

Born in 1955 at Bankura, (West Bengal), Dr Dharani Dhar Patra had his School education from Dubrajpur Uttarayan. He ranked first in Agricultural stream in West Bengal Board in 1971. He also secured second position during graduation and first position in post-graduation from BCKV in 1976 and 1978 respectively. Dr Patra did his Ph.D. in 1982 from Indian Agricultural Research Institute, New Delhi. His doctoral research fetched him the prestigious FAI (New Delhi) Gold Medal in 1983.



Dr D.D. Patra

Dr Patra started his career as Assistant Professor in Soil Science and Agricultural Chemistry, in Rajasthan Agricultural University in 1982 and subsequently joined Central Institute of Medicinal and Aromatic Plants, (CSIR), Lucknow in 1987. He has been presently working as Vice-Chancellor of Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, (West Bengal). His significant contributions have been development of dual <sup>15</sup>N levelling technique for precise estimation of di-nitrogen fixation in cereal-legume-mixed cropping system, concurrent transfer of fixed N to cereal, development of natural essential oil by product-coated slow-release urea fertilizer, and technology for growing medicinal and aromatic crops in user land and other marginal lands. In recognition of his work Dr Patra was conferred several awards and laurels; the important among them are: FAI Silver Jubilee Awards - 1980, FAI Gold Medal - 1983, PPIC-FAI Gold Medal - 2000, 12th International Congress Commemoration Award - 2005, UP Eminent Scientist Award on Natural Resource Management - 2006, ISCA Platinum Jubilee Awards, 2008 and member of the teams conferred with Golden Peacock Eco-Innovation (UK) Award, 2008, and CSIR Rural Development Award, 2008. Dr Patra is a Fellow of Indian Society of Soil Science, New Delhi, National Academy of Sciences, Allahabad and National Academy of Agricultural Sciences, New Delhi. Under Commonwealth Fellowship, Dr Patra visited Rothamsted Experimental Station, U.K. in 1983-84 and worked with Sir David Jenkinson and under STA-JISTEC Fellowship and visited Hokkido National Agricultural Experimental Station, Japan in 1999. Besides, Dr Patra visited Germany,

Netherlands, France, South Korea and China (twice), Japan (3 times) and Pakistan recently in November 2008 for delivering a plenary lecture at 11<sup>th</sup> International Conference on National Products at University of Karachi.

Dr Patra is a member of Research Council of Herbal Drug Research Institute, DehraDun and ICAR Research Complex for North Eastern Hills Region, Shillong. He has to his credit more than 180 research papers, 20 farm bulletins, 15 review-cum-chapter in books, 2 edited books and 6 patents. Dr Patra has guided five M.Sc. and 15 Ph.D. students in their thesis work.

### Dr Sushil Solomon joins as VC, CSAUAT, Kanpur

Dr Sushil Solomon, has been appointed as the 38<sup>th</sup> Vice-Chancellor of C.S. Azad University of Agriculture and Technology, Kanpur. Born on 21 Dec., 1952, Dr Solomon has excellent academic record to his credit. He obtained Ph.D. in Micro/Bio-chemistry (1978) from PAU, Ludhiana and PGDBIM from Datamatic School of Management, Mumbai.



Dr Sushil Solomon

Prior to this assignment, Dr Solomon worked as Director, Indian Institute of Sugarcane Research, (ICAR), Lucknow. Under his dynamic leadership, the institute took several initiatives and made policies for improvement of Sugar cane research and Sugar production in India. He also contributed more than 37 years in scientific/research guidance/teaching in sugarcane or Sugar industry. He is recipient of several international recognitions like Friendship Award, Jin Xiu Qui Award, Award of Excellence, Life-time Achievement Award-2014 from China, Sinai University Peace Award and IAPSIT Global Award of Excellence from Egypt, Prestigious Indira Gandhi Purushkar 2013 and 2014, Dr Rajendra Prasad Award (2014), by Ministry of Agriculture, Government of India, Rajiv Gandhi Rashtriya Gyan-Vigyan Hindi Mouluk Pustak Lekhan Purushkar (2014); conferred by H.E. President of India, Dr Dharampal Singh Life-time Achievement Award (2014) from UPAAS and Hariom Ashram Trust Award by ICAR in 2012-13. He has also been awarded Fellow of Sugar Technologist Association of India, Fellow of International Association of Professionals in Sugar and Integrated Technology, and Fellow of Indian Society of Agricultural Biochemists. He served as President of Society for Sugar Research and Promotion, Editor in Chief of Sugar Tech Journal, Executive Editor of IAPSIT and Sugar Tech News letters. He has organised, co-ordinated and attended several national and international symposium and conferences in India, China, Vietnam, Egypt, Brazil etc.

Dr Solomon is a member of Board of Director and Executive Council of Sam Higgin Bottom University of Agriculture, member of Management Committee, Sugarcane Breeding Institute, Coimbatore, and member of Evaluation Committee of Sweet sorghum project for Ethanol (DSR, Hyderabad). He is working as Advisor of M/s Lamson Sugar Co., Vietnam and M/s Imam Khomaini Sugar Co., Iran. He has published more than 115 Research papers on Sugar cane / Sugar industry in various national and International journals, 31 review/book chapters/edited books and presented more than 42 papers in national and international conferences, 18 books/technical bulletins on sugar cane/ industry. He has visited China, Cuba, Egypt, Sri Lanka, Vietnam, Iran, Brazil, Indonesia and South Africa for his Research and Professional work.

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