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Focus on Universities: Events and Achievements

Universities

ANAND AGRICULTURAL UNIVERSITY, ANAND

National Workshop on 'Enhancement of Farmers Income through Post-harvest Management'

Indian Society of Agricultural Engineers (ISAE), Anand chapter & Anand Agricultural University (AAU), Anand organized a National workshop on "Enhancement of Farmers' Income through Post-Harvest Management" on 28 August, 2018 at the AAU, Anand. The inaugural session of the workshop was presided by Dr N. C. Patel, Vice-Chancellor, AAU, Anand, and was graced with the presence of chief guest, Dr S. N. Jha, ADG (Process Engineering), ICAR, New Delhi; guests of honour, Dr K. B. Kathiria, Director of Research & Dean (PG studies), AAU, Anand; and Dr Nachiket Kotwaliwale, Principal Scientist & Head, Central Institute of Agricultural Engineering, Bhopal; and Chairman, ISAE, Anand Chapter, Dr D. C. Joshi, Dean, College of Food Processing Technology & Bio Energy, AAU, Anand.

Dr N. C. Patel recalled the recent consultation workshop for doubling the farmers' income by 2022, organized by Government of Gujarat, and highlighted the requirement of sensitization of all the stake-holders and the demonstration and training for crop-specific post-harvest technology. Dr S.N. Jha stressed on the requirement of sparing time with farmers and extending already-available research in the field of post-harvest technology to the fields. Dr K. B. Kathiria emphasized the need of evaluation of existing machines for different crop varieties and development of varieties suitable for mechanization. Dr Nachiket Kotwaliwale mentioned about increasing the calorie consumption and nutritional awareness. He stated that food security, remunerative prices, post-harvest management and efficient energy utilization are the four major factors to be taken care of.

This national workshop was attended by about 300 delegates, including progressive farmers, more than 50 district agriculture and horticulture officers, industry representatives and students, besides high-ranking officials from the ICAR and Government of India.

National Dairy Products' Judging Contest & National Dairy and Food-quiz Contest at Milk City, Anand

The 15th National Dairy Products' Judging Contest was organized at SMC College of Dairy Science on 6 September, 2018.

Fourteen teams from Dairy Industry 13 teams from Academic Institutes participated in the judging contest. Three different product, milk, dahi and table butter, were presented to the team mates for sensory analysis.

The 11th National Dairy and Food-Quiz Contest was held on 7 Sep, 2018 at Prof. A. C. Pandya auditorium, FPT & BE, College, AAU, Anand. The event registered total 23 teams, 10 from industry and 13 from academic institutes. Dr A. H. Jana, and Dr Jarita Mallik, were the quiz masters.

The Prize-distribution ceremony of both the events was held at Prof. A. C. Pandya auditorium of FPT & BE, college. Dr A. H. Jana, I/c Principal & Dean, SMC College of Dairy Science, AAU, Anand, in his welcome address remarked that sensory attributes represent the foremost parameter for consumer acceptance, and this unique event has gained tremendous momentum since its inception.

For judging the contest separate awards were given for participants from industry and academic institutes. Amongst the participants from industries, Dudhsagar Dairy, Mehsana secured the first position in judging contest, whereas the second and third prizes were presented to Amul Fed Dairy, Gandhinagar and GCMF Ltd, Anand respectively. SMC College of Dairy Science, AAU, Anand ranked first among all quiz contestants from academic institutes. College of FPT & BE, AAU, Anand, secured the second prize whereas College of Dairy Science and Food Technology, CGKV, Raipur, was awarded the third position. Mr Mihir H. Patel, representing Amul Dairy, Anand; and Ms Trupti Undhad from SMC College of Dairy Science, AAU, Anand were awarded first prize for individual winners from industry and academia respectively.



Inaugural Session of Contest

For Dairy and Food Quiz Contest four positions including Appreciation award were announced. The ICAR's National Dairy Research Institute, Karnal, secured the first prize for Dairy & Food Quiz Contest; whereas second and third prizes were awarded to College of FPT & BE, AAU, Anand and SMC College of Dairy Science, AAU, Anand. The Appreciation prize was presented to Mansinhbhai Institute of Dairy and Food Technology, Mehsana.

Dr N. C. Patel, VC, in his presidential address congratulated all the participants, the winners of both the contests and the organizers. He said that such events provide platform for gaining new skills and for exchange of knowledge. He stressed that participation in such events is important as it provides opportunity for the technocrats to enrich themselves with knowledge and to update with new information. He added that these events also serve as a platform that brings academic and industry persons together.

National Workshop on Yogic Farming, Organic Farming and Zero-budget Natural Farming

A national workshop on "Yogic Farming, Organic Farming and Zero-Budget Natural Farming" was organized by the AAU, Anand jointly with Prajapita Brahma Kumar Ishwariya Vishwa Vidyalyaya, Mount Abu, at Auditorium, B. A. College of Agriculture, AAU, Anand during 17-18 Sep, 2018. The inaugural function was presided over by Dr N.C. Patel, VC. Guest of honour of the function was madam



Ma'am B.K. Sarla didi speaking to audience

B.K. Sarladidi, Chairperson, Agriculture & Rural Development wing, Brahmakumaris, Mount Abu; whereas chief guest was Padma Shri Dr M. H. Mehta, Chairman, National Working Group-Eco Agriculture, Vadodara & former VC, GAU. Dr P. H. Vataliya VC, Kamdhenu University remained present on both the days, whereas Dr A.R Pathak VC, Junagadh Agricultural University. graced the function on the second day.

In the inaugural function all the speakers emphasized upon the need to begin new scientific endeavour on the new vista of integration of organic or zero-budget natural farming with spiritual or yogic farming. The positive strength of the thoughts has a synergistic influence on all, including, human, animals as well as plants.

In the workshop about 500 delegates including organic farmers, students, NGOs, Government officials and Brahmakumaris from all over the country participated. There were 4 technical sessions related to yogic farming, organic farming and zero budget natural farming during these 2 days in which 38 speakers from different parts of India presented their views and shared their experiences with the participants.

VII IAUA Regional Meeting of VCs at Kanpur

Dr N. C. Patel, VC AAU, Anand, & President, Indian Agricultural Universities Association, attended the 7th IAUA Regional Meeting of Vice- Chancellors; at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, during 29-30 August 2018. The theme of the Meeting was 'Harnessing Potential of Traditional and Modern Technologies for Sustainable Agriculture'.



7th IAUA Regional Meeting

Distinguished Visitors

Mr Albrecht Hoffman von Waldau from Bhutan visited Department of Microbiology, AAU, Anand on 20 August 2018, and showed keen interest in Liquid Bio-fertilizer Technology and Bio- NPK Commercialization in Bhutan, to save our earth from chemicals and environment-friendly bio-fertilizers for crops are essential.



Visit of Mr Albrecht Hoffman von Waldau

Dr R.S. Chaudhary, Deputy Director Panchayat Raj Department of Uttar Pradesh (GOI) visited Department of Microbiology and Biofertilizer Unit and Laboratory of Excellence on 29th August 2018. He appreciated wonderful achievement of Anand Agriculture University. Bioplastic degrader activity by Microbes which can boost green environment for next generation and biofertilizer that make soil energetic.



Dr R.S. Chaudhary, in conversation with experts

Prof. M. Malata, VC, Malawi University of Science and Technology, Malawi; along with Dr Gama Bandawe, Head Department of Biological Science; and Dr Charles Fodya, Department Head, of Computer Science & IT, visited Department of Micro-biology, AAU, Anand on 20 Sep, 2018.



Prof. M. Malata, visiting Bio-fertilizer Unit

Ms Michele Janezic, Managing Director, Michele Janezic Agency Pvt. Ltd, Cemafroid TECNEA Group, France visited AAU, Anand on 11 Sep, 2018. She had an interaction meeting with the, Dr N. C. Patel, VC as well as and Director of Extension Education, Registrar, Deans (Dairy Science College and FPT&BE College) and ADRs. During the meeting, discussion was held on possible collaborative activities in the area of refrigeration technologies as applicable to dairy and other food products.



Visit of Malawi University high officials to Micro-biology department

Visit of AAU team to Denmark collaborative workshop

Dr J.B. Prajapati, Principal & Dean; Dr Subrota Hati, Assistant Professor, Dairy Microbiology, and Dr Amit M. Patel, Assistant Professor, Dairy Technology, were invited to participate in Indo-Danish collaborative workshop on "Dairy, Food Ingredients and Water" organized by University of Copenhagen, Denmark during 6-7 Sep 2018. The programme was



Team AAU

As per the MoU the two organizations will work together to reduce the consumption of fuel in tractors and prime movers used in farm machinery, presently in operation in the university farm, various research centres and Krishi Vigyan Kendras of the university. For this, the PCRA will provide information and training to the university staff. Besides this, the farmers will also be made aware about fuel conservation through workshops and farmers' fairs. This will directly affect the input cost in agriculture and will increase the income per hectare. This initiative will not only save diesel consumption and money but will also sensitize the farmers to adopt fuel-efficient farm machinery, presently available or likely to be available in the market in future.

Foundation Stone of Seed Godown

financed by Danish Ministry of Higher Education and Science, Government of Denmark.

Total 9 participants from 5 organizations (AAU, NDRI, CFTRI, NIFTEM & Mother Dairy) were invited from India in the workshop, as India and Denmark had signed an MoU for collaboration in the area of Dairying. There were 25 participants from Denmark representing Universities, Industry and Government officials. The 2 day's workshop involved presentations from India and Denmark, and intense discussions about their possible collaborations in the area of dairy, food ingredients and water. The AAU, team actively participated and presented overview and current activities of Anand Agricultural University as well as areas of collaboration for research, education and training.

G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

Training of French Students at Pantvarsity

A group of 18 students of France reached Pantnagar for 1 month training at the university. An introductory meeting of the group was held on 30 July 2018, which was presided by, Prof. A.K. Misra, VC. The students were given an overview about the university and its infrastructure, especially that of education, research and extension. This bilateral exchange programme started in 2006 between, College of Fisheries of the university and one of the fishery institutes of France. The collaboration was expanded in 2015 to 6 colleges of the university and different professional institutes of France, which became operational in 2016. This batch is the third one under the renewed expanded exchange programme, (DEFIAA) Developing French-Indian exchanges in Agrofood and Agronomy. Students of Pantvarsity have already completed their 3-month training in France in January 2018. The 18 French students included 12 girls and 6 boys, who underwent training in 7 disciplines in 6 colleges. Colleges of Agriculture, Home Science and Technology imparted training to 4 students each, whereas College of Veterinary and Animal Sciences, College of Basic Sciences and Humanities and College of Fisheries trained 2, 3 and 1 student, respectively. The training was completed on 24 Aug 2018.

MoU for Fuel Conservation in Agriculture

Pantnagar University signed on MoU with Petroleum Conservation and Research Association of Government of India on 16 July 2018 for fuel conservation in agriculture. The MoU was signed by Dr S.N. Tiwari, Director of Experiment Station, from the university side and Shri Navin Gulathi Chief Regional Co-ordinator, from PCRA side; in the presence of Prof. A.K. Misra, the then VC. Other officers of the university and the PCRA were also present.



The then Vice-Chancellor, Prof. A.K. Misra, deans and directors with French students in introductory meeting



Exchange of signed MoU documents between PCRA officials and Prof. A.K. Misra.

Shri Subodh Uniyal, Agriculture and Horticulture Minister of Uttarakhand, Laid the foundation stone of a seed godown at Breeder Seed Production Centre of the university on 11 Aug 2018. These present on the creation Shri Rajesh Shukla local MLA, and Prof. A.K. Misra the then Vice-Chancellor. Shri D. Senthil Pandiyan, Agriculture Secretary and Shri Ram Prasad Tamta, former Agriculture Minister. The programme was co-ordinated by Dr. S.N. Tiwari, Director of Experiment Station. The godown is being constructed under 'Pulse seed hub' project of Government of India.



Shri Subodh Uniyal with Shri Rajesh Shukla and Prof. A.K. Misra, laying foundation stone of seed godown

Pantnagar University is known for its breeder seeds throughout India. The university is supplying its seed to various seed corporations of different states, including National Seed Corporation, on demand.

Inspection of cleanliness at Pantvarsity by UGC team

A team of UGC visited Pantvarsity on 15 Sep 2018 to assess the level of cleanliness in the university and its campus. The team visited Central store, where it also inspected various machines and gazettes used to clean the premises and fields. Other places like Instructional Dairy and Poultry Farms, Fodder Bank, various colleges and hostels were also critically inspected besides rooms, kitchen, cafeteria and washroom. The team also visited University Library, Central Computing Facility and Stadium, and physically assessed the facilities for studies as well as games and sports for the students. The team members also talked to the students and asked their opinion about the quality of food and other facilities available to them in the hostels and colleges. Various colonies and the campus as a whole were also seen by the team. Based on the assessment of the team, the university will be given Swachhata Ranking among other government institutions of the country.



Visit of UGC team to hostel cafeteria

National Conference on Wildlife Management

A national conference on 'Wildlife health management vis-à-vis prospect of mitigation of extrinsic influences impinging their conservation' was organized during 29-30 Sep 2018 by College of Veterinary and Animal Sciences, in collaboration with Association of Indian Zoo and Wildlife Veterinarians. The chief guest of the inaugural session of the conference was Dr M.L. Madan, former Deputy Director General (Animal Sciences), ICAR, New Delhi. Shri Rajiv Rautela, VC, presided. The session was attended by Dr B.M. Arora, Secretary, Dr M.Haq, Joint Secretary; as well as by a large number of veterinarians and animal scientists from all over India. The winners of various presentations were given awards during the concluding session.



Guest giving away young scientist award

Workshops on Problem and Management of Nematode in Horticulture Crops

Department of Plant Pathology of College of Agriculture, Pantnagar in collaboration with the All-India Co-ordinated Research Project on Nematodes of the ICAR, co-ordinated by Indian Agriculture Research Institute, Pusa, organized a workshop-cum-training programme on 'Problem and management of nematode in horticultural crops'. 4 July 2018 Prof. A.K. Misra, the then VC, presided and Dr R.K. Walia, was Project co-ordinator present as special guest. In this programme farmers and state government officials from different districts, scientists and students were present.

Trainings of Farmers and Students

A 7-day training of farmers was conducted during 10-17 July 2018. It was sponsored by Integrated Bee-keeping Development Centre project of National Bee-keeping Board and Ministry of Agriculture and Farmers' Welfare. For this training the farmers and unemployed youth of 25 villages of Udham Singh Nagar district identified under farmers' welfare campaign of Niti Ayog were selected. The purpose of the training was to provide employment to youth and increase the production and income of the farmers. The experts from the university and



Trainees being given certificates at the end of the training

College of Technology of the university in collaboration with North Dakota State University, the USA, organized a workshop on 'Food- energy-water nexus' on 14 Sep 2018. In this workshop Dr Robert, Professor of Botany, North Dakota State University, Fargo, shared his research experiences with the participants through video conferencing. Dr Achintya Bezbaruah scientist of international fame of NDSU, also delivered a lectures in the workshop. Scientists of different colleges of the university too delivered lectures. Faculty members and students of Pantvarsity participated in the workshop. Discussions on research collaboration, and student and faculty exchange were also held in the workshop.



Dr Achiniya Bezbaruah, delivering lecture in workshop

Develop of late-maturing Mango Germplasm

The horticulture scientists of Pantvarsity were successful in developing late-maturing mango germplasm, which will provide mature mango in September. Their germplasm will help in developing mango varieties that will extend the availability of mango in the market in September also, which will fetch more price and will increase the income of the farmer's. The scientists were working on late-maturing mangoes or the last few years, and selected 5 germplasm of late-maturing and 7 germplasm of perennial mango, out of which one germplasm PMSS-1 (Pant Mango 1) matures from last week of August to first week of September. The quality of this mango is good, and each fruit weights 230-260 grams on an average. The research is in the last phase and a late-maturing variety will be released soon.



Horticulture scientist explaining about the germplasm of late-maturing mango

Transplanting of Paddy by Machine in Limited Area

This season, Pantvarsity transplanted paddy by automatic paddy transplanter in a limited area at NE Borlaug Crop Research Centre. This machine uses mat-type seedling, for which nursery is raised in special trays.



Demonstration of working of paddy transplanter before Vice-Chancellor, Prof. A.K. Misra and other scientists

This transplanter has one engine and transplants seedlings in 8 rows. The row-to-row distance is 228 mm and plant-to-plant distance is 145 mm. The size of the mat is 430×230×20 mm, in which seedlings are raised that become ready to transplant in 25 days. The machine needs one driver and one labourer, and it can transplant a field of about 1 ha in one day. The use of this machine saves 75-80 % labour per hectare work-hour. Puddling of the field is necessary before using this machine. The equidistant transplanting of seedlings enables their good growth and hence good production.

from the state as well as central government delivered lectures in the training and also gave practical exposure on different aspects of bee-keeping.

Another 4-day training on bee-keeping was organized by Directorate of Experiment Station of the university during 25-28 July 2018 under Employable Skill Proficiency Training programme. About 60 youth, both male and female, and the farmers, attended the training. At the end of the training certificates were given to the participants.

A training programme on 'Quality production of mango fruit' was conducted by the scientists of Department of Horticulture at Chaukhutiya, Ranikhet, Almora; on 24 July 2018 under AICRP on Fruits. About 48 farmers participated in this training.

A training programme was organized by Department of Clothing and Textiles of College of Home Science, for the students of Government Industrial Training Institute of Women at Haldwani, on 'Sewing techniques and clothing construction' during 9 to 14 July 2018. The training was attended by nine students and one instructor. The students were given hands-on experience pertaining to tools and techniques of clothing construction, anthropometric measurements used in clothing construction, drafting, stitching and finishing of three garments, frock, ladies shirt and ladies trouser, by the faculty members of the department. At the end, students were given certificates for successful completion of the training.



ITI (women) students attending training at College of Home Science

Training of Scientists

A training on 'Water- quality modelling and regulations' was held by College of Technology under Global Initiative of Academic Network programme of Union Ministry of Human Resource Development during 4-8 Sep 2018. The international GIAN expert of the subject, Dr Ali Mahdavi Mazdeh, who is working in Ruhr University, Bochum, Germany; delivered lecture in the training. About 35 scientists from different universities of India, including BHU, Varanasi; AMU, Aligarh; CSMU, Kanpur; Anna University, Chennai; Monad University, Noida; CSWCRTI, DehraDun; Allahabad University, Allahabad; and GBPUAT, Pantnagar, participated in this training. The GIAN programme is conducted in different IITs and Pantvarsity.



Inaugural session of training

A 21-day training on 'New frontiers in agri-resource augmentation and utilization' was organized during 5-25 Sep 2018 by Centre of Advanced Faculty Training of Department of Agronomy of College of Agriculture. The training was attended by scientists of various institutions from all over India.

Another training organized by Centre of Advanced Faculty Training of Department of Plant Pathology of College of Agriculture was also held during 5-25 Sep 2018. This 21-day training on 'Advanced technology in plant health management and pest risk analysis for improvisation of Indian agriculture and farmers' income' was attended by 23 scientists of different institutions of 11 states of India.



Participants being given certificate on successful completion of the training

JUNAGADH AGRICULTURAL UNIVERSITY, JUNAGADH

National Workshop on Participatory Ground Water Management in Coastal Region of Saurashtra

An Experience sharing Workshop on Participatory Ground Water Management in Coastal Region of Saurashtra was organized jointly by AICRP-Irrigation Water Management, Junagadh; Arid



Visit of Shri Parshottambhai Rupala, Union State Minister

Shri Parshottambhai Rupala, Union Minister of State for Agriculture and Panchayati Raj, Government of India, visited Krishi Vigyan Kendra, Amreli on 13 Aug, 2018. He visited crop cafeteria and inspected activities of KVK. He appealed the farmers and farm-women to adopt the advanced technology by seeing in the crop cafeteria. He also



Shri Parshottambhai Rupala, interacting with JAU officers

Communities and Technologies, Bhuj; and Indian Society of Agricultural Engineers, Gujarat chapter, Junagadh on 25 Sep 2018 at College of Agricultural Engineering and Technology, JAU, Junagadh. Dr A.R. Pathak, VC, inaugurated the workshop. Dr Dipankar Saha, Regional Director, Western India, Central Ground Water Board, Ahmedabad; and Dr Yogesh Jadeja, Director, ACT, Bhuj; were present as Guest of Honor at the event. Dr N.K. Gontia, Dean, Faculty of Agricultural Engineering and Technology welcomed the guests. He said emphasised on Water harvesting techniques for ground water recharge. Dr Yogesh Jadeja briefed about the workshop, and Dr Dipankar Saha presented the current status of Ground water resources in India, particularly in Gujarat.

Workshop on "Transgenic Trait Detection in Crop"

The JAU organized a workshop on "Transgenic trait detection in crop", sponsored by Gujarat State Biotechnology Mission, Department of Science and Technology, Gandhinagar, during 24-26 Sep, 2018. The workshop had hands-on training for the detection of transgenic trait, using various methods. The workshop was attended by the faculties of different colleges and university from Gujarat. The resource persons included eminent scientists from the ICAR's National Bureau of Plant Genetic Resources, New Delhi; m/s Mahyco Seeds; National Agri-Food Biotechnology Institute, Mohali; National Law School of India University, Bengaluru and Navsari Agricultural University.

Celebration of Van Mahotsava

The 69th Van Mahotsava was celebrated on 30 July 2018 at Grass land Research Station, JAU, Dhari through a special programme with Department of Social Forestry, Amreli. The eminent person who graced the session were Shri R.C. Fald, Minister of Agriculture, Fisheries, Animal Husbandry and Transport; Shri Amarshibhai Khambhaliya, Vice Chairman of Gujarat Sheep and Wool Development Corporation Ltd; Shri N. Shrivastava, Additional Principle Chief Conservator of Forest; Dr A.R. Pathak, VC, besides Dr Priyanka Gehlot, IFS.



Planting of trees by Minister and other dignitaries

Training for Students

A training programme on "Power in You" was organised by the JAU in collaboration with Ms Nisha Butani, International Trans-formational Coach, Mumbai during 18-19 July 2018 for the students of College of Agriculture, Junagadh. Inaugural function of the training programme was presided over by Dr A.R. Pathak, VC, in the presence of Dr V.P. Chovatia, Director of Research and Dr P.V. Patel Director of Students' Welfare. During the training the experts demonstrated the techniques of Good-quality leader, Goal setting, Capacity building, Self- esteem, Self-confidence, Time management, Body language. Effective communication etc. In this training programme 103 students actively participated.

appreciated the efforts of scientists in developing the crop cafeteria.

and scientists

KAMDHENU UNIVERSITY, GANDHINAGAR, (GUJARAT)

First National Workshop of ICAR-BSMA Committee for Veterinary Clinical Subjects

Directorate of Research, Kamdhenu University organized a National Workshop of ICAR- Broad Subject Matter Area (BSMA) Committee for Veterinary Clinical Subjects during 24-25 Sep 2018 at Gujarat National Law University, Gandhinagar, (Gujarat). The ICAR has constituted different committees of BSMA, with the main objective to modify the current course curriculum and syllabi for post-graduate and doctoral courses in agriculture and allied sciences. Kamdhenu University is fortunate to host its first workshop at Gandhinagar.



A group of participants of First National Workshop of ICAR-BSMA Committee for Veterinary Clinical Subjects

The workshop was formally inaugurated by Dr P. H. Vataliya, Vice-Chancellor, in the presence of Dr Jit Singh, former Dean, MPUAT, Udaipur & Chairman, BSMA (Clinical Subjects). Dr A. R. Pathak, VC, JAU, Junagadh was the Guest of Honour. In his speech Dr Pathak laid emphasised on the inclusion of recent developments in clinical subjects in the revised courses and syllabi, to match with the future demand. In the inaugural speech Dr P.H. Vataliya introduced the participant scientists to the development of KU. He also introduced participants to the new emerging sector-specific universities of Gujarat. Dr Vataliya stressed on updating the courses and syllabi of post- graduate and doctoral programme for producing highly skilled human resources in Veterinary Sciences.

A large number of renowned scientists and professors of veterinary clinical subjects from southern states of India and from Gujarat participated in the workshop. The representatives from State Animal Husbandry Department, National Dairy Development Board, Sabarmati Ashram Gaushala, Co-operative sectors, pharmaceutical companies, clinicians from private veterinary hospitals and NGOs also participated.

Hands-on Training on "Data Analysis using R Programming"

Kamdhenu University organized a hands-on training on "Data analysis using R programming" during 16- 17 July 2018 at Information and Library Network Centre (INFLIBNET), Gandhinagar. The training programme was inaugurated by Dr P. H. Vataliya, VC. He said that this training will be very useful for the newly recruited Assistant Professors and Veterinary officers as well as PG students of the State Agricultural



Dr P. H. Vataliya, VC, Dr D. B. Patil, Dir (Res.) and Dr Jeeva Josh along with participants

Universities and other participants for analysing the scientific data in research. Dr Jagdish Arora, Director of INFLIBNET was present as the Chief Guest of the programme. Dr. Jeeva Jose, Associate Professor, BPC Mahatma Gandhi University, (Kerala) was the expert trainer of the programme, who has published books on "R Programming and other Aspects of Data Analysis and Programming". The main objective of the training programme was to provide expertise to the R Programming software for statistical analysis of the scientific research done in the field of animal husbandry, veterinary, dairy, agriculture and fisheries sciences. Total 60 professionals participated in the training from SAUs of Gujarat, KU and other institutes.

Scientific Animal Husbandry Training Programme at Amrapur

The Directorate of Extension Education, Kamdhenu University in collaboration with Centre for Environment Education, Jasdan organized "Scientific Animal Husbandry Training Programme" on 25 Aug 2018 at Amrapur, (ta. Jasdan, dist. Rajkot). The programme was inaugurated by Shri Kunvarjibhai Bavalia, Cabinet Minister (Animal Husbandry, Water Supply and Rural Housing) of Gujarat State, and Dr P.H. Vataliya, VC. Shri Hariram Bapu, Mahantshri, Shri Satrangdham Ashram, Amrapur, Dr Vimal Ramani,



A Group of Dairy Farm Women in Training Programme at Amrapur, (Ta. Jasdan, dist. Rajkot)

Participation of University Researcher in Artic Expedition

Ms S. Aswathi, Ph.D. scholar in Marine Chemistry with the School of Ocean Science and Technology, KUFOS participated in the 6 weeks long Indian Arctic Expedition-2018, that ended on 2 August. The team members of Arctic Expedition were selected by National Centre for Polar and Ocean Research, Goa under the Ministry of Earth Sciences, New Delhi. Ms Aswathi was in the first batch of the expedition along with 6 other participants. Her main focus area of study during the expedition was more on the sediment chemistry of the Arctic Ocean. Both water samples and sediment samples were collected for the study from different parts of the Arctic Ocean.



Ms S. Aswathi

Principal and Dean, College of Dairy Science, Amreli, Dr P.P. Patel, Project Officer, Kamdhenu University, Shri Suman Rathod, CEE, Jasdan and other local leaders of Jasdan taluka graced the programme.

On this occasion, Shri Kunvarjibhai Bavalia, Minister (A.H.) encouraged the dairy farm women to pursue advanced animal husbandry practices to maximize their income and become self-reliant. He opined that as a large portion of our rural population is young, we need to propagate modern dairying and livestock management practices that are technology driven and are efficient. Dr P.H. Vataliya, in his presidential address, assured the dairy farm women that adoption of new technologies in animal management, animal nutrition and reproduction will increase the milk production and would produce higher income in the long run. During the programme eighth issue of Gaudhuli, a Gujarati quarterly magazine, and other literature were released by the dignitaries.

Around 400 dairy farm women participated in the training programme. During the technical session training lectures were given by Dr G. R. Chaudhary, Dr R. M. Patel, Dr S. J. Vekariya, Dr M. B. Rajput and Shri Ankit Thesiya, followed by question- answer session and interaction with dairy farm women.

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES, PANAGAD

Water-Quality Study after Flood

Scientists of KUFOS, as a part of the societal commitment, extended free water-quality analysis to the flood-affected population in Kerala. The quality of water was affected badly after flood due to contamination with debris, fecal sources and carcasses. Samples collected, between 23 Aug and 14 Sep 2018, from 4348 wells in the flood-affected areas were tested in the soil and water analysis laboratory of KUFOS, Panagad, Kochi. The study lead by Dr Anu Gopinath, Assistant Professor of Chemical Oceanography, revealed decrease in pH below 5 and almost 90% of the well water showed pH values below quality standard of drinking water. About 30% of the wells showed an increase in total dissolved solid content due to heavy run-off experienced under the floods. From microbial point of view, 90% of water sources including wells showed high faecal contamination. The team suggested proper chlorination or super chlorination as well as filtration methods through appropriate agencies. The possibility of spreading of water-borne diseases like diarrhoea, cholera, jaundice, etc. from the contaminated water was prevented after the necessary precautions were taken by the authorities in the light of the KUFOS study.

Formation of Task Force

A Task Force was constituted by Kerala University of Fisheries and Ocean Studies, for making an assessment on the flood inundation in Kerala and to suggest mitigation measures to the Government. The first meeting of the task was held on 19 Sep. 2018. Distinguished experts from various fields including Irrigation, Electricity, Dam Management, Environment, Bio- diversity, Geology, Hydrology as well as faculties of KUFOS formed the task force. The task force would primarily concentrate on areas such as prediction and mitigation of rain- based water inflow, siltation and discharge from the reservoirs, collection of hydrological inundation data along the river basins and lakes, impact of human interventions along the river and the impact on bio-diversity. Different working groups were formed in the above-mentioned areas for gathering information and identification of gaps. The Task Force will submit a detailed report with practical remedial measures to the Government of Kerala within 6 months.

Bumper Fish Harvest at Pen Culture Experimental Farm

The fish farmers of Puthenvelikara in Ernakulam district received bumper harvest ahead of Onam festival held in August 2018 from their pen culture units. Up to 1700 kg seabass were harvested from three pen units. The KUFOS conducted a trial culture-cum-demonstration of pen culture of seabass at Puthenvelikara village. The seabass seeds from Rajiv Gandhi Centre for Aquaculture, Sirkal, were introduced in the pen constructed in back waters. The farming was done with the scientific and technical support of KUFOS. For the empowerment and capacity building, to ensure livelihood of fisher-folk under the Village adoption programme by Directorate of Extension. This was for the first time that seabass was cultivated in Kerala which witnessed a survival rate of up to 96 per cent. The maximum fish harvest was 2.330 kg and the fishes were sold at the rate of Rs.450 per kg. Dr A. Ramachandran, VC, inaugurated the harvest festival in the presence of Mr P.V. Lalu, President, Puthanvelikara Panchayat, as well as Dr V. M Victor George, Registrar; Dr MS Raju, Dean (Fisheries), and Dr Daisy C Kappan, Director of Extension, of KUFOS.

MoU with NCESS

The KUFOS signed a Memorandum of Understanding, with National Centre for Earth Science Studies, Thiruvananthapuram for collaborating in academic and research areas of ocean sciences. According to the agreement signed and exchanged on 17 July 2018 at KUFOS, students of KUFOS can use the research facilities at NCESS in the fields of Ocean Engineering, Remote Sensing and Earth Sciences. Both the institutions will jointly initiate action for supporting Ph.D. programme in the field of Marine study and Geology. The MoU was exchanged between Dr M.V. Victor George, Registrar, KUFOS and Dr T.N. Prakash, Director, NCESS in the presence of the Dr A. Ramachandran, VC, Dr T.V. Sankar, Director of Research, Dr K. Gopakumar, Emeritus Professor of KUFOS on one hand, and Dr. K.K. Ramachandran, Senior Scientist, NCESS, on the there.

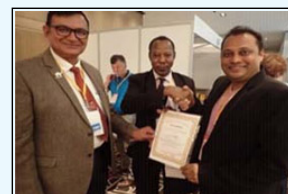
MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR

Nomination of Dr C. H. Pawshe as External Expert in Project Management Committee

Dr C. H. Pawshe, Associate Professor, Department of Animal Reproduction, Gynaecology & Obstetrics, PGIVAS, Akola was nominated as an External Expert Member in Project Management Committee of Rahuri Semen Station strengthening project by National Dairy Development Board under NDP-I.

XI International Veterinary Congress

Dr. S. D. Ingole, I/c Professor, Department of Veterinary Physiology, Bombay Veterinary College, Parel, Mumbai, attended and presented a paper entitled "Effect of melatonin on bovine sperm characteristics and ultrastructure changes following cryopreservation" at the "11th International Veterinary Congress" on the theme "New Horizons and Possibilities of Veterinary Sector", held during 2-3 July 2018, at Berlin, (Germany).



Dr S.D. Ingole, receiving certificate

Achievement of Animal House, Bombay Veterinary College

The Central Laboratory Animal House of Bombay Veterinary College received approval as a trader from Government of India, Ministry of Environment and Forest and Climate Change, CPCSEA (Committee for the purpose of Control and Supervision of Experiments on Animals) New Delhi. It is one more feather in the cap of Bombay Veterinary College as the trading permission for laboratory animals is with limited organizations like NIRRH, ACTREC, NIN (ICMR). This achievement is the result of co-ordinated efforts of Dr Sushant Sole, In-charge of Animal House Facility and active participation of Dr Sangram Chavan and well-timed administrative support from Associate Dean, Central laboratory Animal House.



Certificate of Achievement of Central Laboratory Animal House

Selection of Dr N. V. Kurkure as Outstanding Participant in ICAR-sponsored Short Course

Dr N. V. Kurkure was selected as Outstanding participant in the ICAR-sponsored short course on "Recent advances in nutritional-

This was the fourth consecutive year of organizing International ophthalmology workshop by Department of Veterinary of Surgery and Radiology, KNPCVS, Shirwal. During the workshop basic and advanced

physiological approaches for improving reproduction and production in livestock under climate change scenario”, held at NIANP, Bengaluru; during 20-29 Aug 2018.

Participation of Dr J. G. Gudewar in Japan-Asia Youth Exchange Programme

Dr Jagdish G. Gudewar, Assistant Professor of Parasitology, COVAS, Parbhani participated in Japan-Asia Youth Exchange Programme under Sakura Science Plan Project at Azabu University, Japan during 28 Aug. to 6 Sep. 2018, sponsored by 'Japan Science and Technology' Agency. The theme of the project was 'Diagnostic methods for veterinary and zoonotic diseases'. Dr Gudewar presented a poster on 'Molecular characterization of Echinococcus granulosus,' and delivered a lecture on Porcine cysticercosis. Total 26 participants from 20 Asian countries participated in this programme.



Participation in Japan-Asia Youth Exchange Programme

Success of MAFSU Students

Eighteen students of KNP College of Veterinary Science, Shirwal successfully qualified the ICAR's JRF P.G. entrance test-2018. Out of these 18 students seven students got admissions in various reputed institutes like the IVRI, NDRI, Thrissur, Jabalpur and Durg, in various disciplines. The final year students of College of Fishery Science, Nagpur excelled in the AIEEA-PG 2018 examination, conducted by the ICAR, New Delhi. Total 5 students qualified in the examination, of which 3 students received Research Fellowship to pursue their Master's Degree in Fisheries Science at the Central Institute of Fisheries Education, Mumbai.

Workshop on "Contribution of NCC towards Nation Building"

A workshop on "Contribution of national cadet corps towards nation building" was organized by 1(Mah) R&V SQN NCC, Nagpur, under the aegis of Nagpur Veterinary College, Nagpur. Prof. A. M. Paturkar, VC, was the chief guest along with Dr N.N. Zade, Director (Instruction) and Dean (Vet. Science) as the guest of honour. Around 300 persons comprising cadets, Associate NCC officers, Care-takers, PI staff, HoD's and parents attended the workshop, which was an eye opener to the audience at large. Guest lecturers were delivered by expert faculty members from various esteemed organizations, followed by interaction session where the cadets took part whole-heartedly and were thankful for knowledge gained. Dr Shital Chopde was the organizing secretary.



Prof. A.M. Paturkar, addressing NCC Students

Workshop on 'Recent Advances in Dairy Processing Equipments and Plant Operations'

2 workshop on 'Recent advances in Dairy Processing equipments and plant operations' was organized during 23 July 2018 and 24 July 2018 at College of Dairy Technology, Warud (Pusad). Total 48 students and academic staff of CDT, Warud participated in the workshop. Dr G. Maheshkumar, Head (Dairy Eng. Dept.), Dairy Science College, Hebbal, Bengaluru delivered the lectures on the topic 'Sub-basic frying of dairy and food product and Recent advances in spray-drying technology.



Dr G. Maheshkumar, delivering lecture during workshop

National Symposium on Canine and Feline Ophthalmology

Department of Veterinary Surgery and Radiology, KNP College of Veterinary Science, Shirwal organized a workshop on "Canine and feline ophthalmology" in collaboration with Veterinary Orthopedic Foundation during 17-18 Aug 2018. This workshop laid emphasised on practical management of ocular diseases in small



Experts, delivering lecture

methods of examination of eye, and the diagnosis and surgical treatment of various ocular diseases in small animals was taught to the participants.

Organization of 'Male Goats Exhibition and Sale' Camp at PGIVAS, Akola

Department of Livestock Production and Management, Post-Graduate Institute of Veterinary and Animal Sciences, Akola organized exhibition on "Male goats exhibition and sale" during 10-21 Aug 2018 in collaboration with Department of Animal Husbandry, district Akola and Agricultural Technology Management Agency, Akola.



Male goats in exhibition

During this exhibition period around 50 goat-keepers brought their male goats for exhibition as well as direct sale to the customers without the involvement of middlemen. Around 60 goats were sold during the exhibition period and total turnover reached Rs 6.50 lakhs. The programme was funded by ATMA, Akola.

Release of 'Red Kandahari cow with calf' model at Veterinary College, Parbhani

Red Kandahari cow with calf model/artifact was released at Veterinary College, Parbhani on the occasion of 'Marathwada Mukti-Sangram Din' (17 Sep). Owing to its universal deep red-coloured skin, 'Lal Kandhari' is recognized as the indigenous native breed of cattle, with its origin in Nanded, Latur and Parbhani districts from Marathwada region of Maharashtra. The breed was officially recognized as the native indigenous cattle breed at national level during 1985-88. Addressing the function, (Prof.) Dr N.M. Markandeya, Associate Dean, Veterinary College, Parbhani said: 'This artifact will act as a mark of regional breed identity and will motivate in expediting the conservation efforts of desi govansh'.



'Red Kandahari cow with calf' model at college entrance

NAVSARI AGRICULTURAL UNIVERSITY, NAVSARI

Capacity-Building Programme on "Current and Emerging Trends for Conservation and Sustainable Utilization of Forest Genetic Resources"

The NAU Navsari, (Gujarat) organized an ICAR-sponsored winter school on "Current and emerging trends for conservation and sustainable utilization of forest genetic resources", 24 Sep – 14 Oct, 2018 at College of Forestry, Navsari. Total 25 participants from different organizations, representing seven states of India, participated in the training programme. Dr C. J. Dangaria, VC, chaired the inaugural function as President; and Dr U. M. Chandrashekhara, Head of KFRI Sub centre, Nilambur, (Kerala) acted as Chief Guest of the function. In the winter school, 35 lead speakers from NAU and other renowned national institutions delivered lead lectures in different thematic areas. They highlighted the current and emerging status in tree improvement and domestication, commercialization of tree varieties, conservation methods, legislation, forest certification, ecosystem services, RS and geographic information system (GIS) tools for management, mangrove conservation, quality seed production, testing and certification, carbon sequestration and other aspects. The winter school also included 9 hands-on training/practical, 5 visits to demonstrations plots/ laboratories of Centre of Excellence and 6 field trips on different aspects of conservation and sustainable utilization of forest genetic resources. The valedictory function was organized on 14 Oct, 2018. Dr. C. J. Dangaria, VC, Navsari, presided over the function and Dr. B. Nagarajan, Head of Division (FGR), Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore was the Chief Guest.



Capacity Building Programme

animals. Dr Ron Ofri (Israel) and Dr David Maggs were key speakers for this workshop.

ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, BHUBANESHWAR

Celebration of OUAT Foundation Day

The 57th foundation day of the OUAT was celebrated on 24 Aug 2018 at Bhubaneswar. The chief guest of the inaugural function, S. Pradeep Maharathy, Minister of Agriculture & Farmers' Empowerment, Fisheries & Animal Resources Development, Panchayati Raj & Drinking Water of Odisha, emphasised on popularization of technologies innovated by rural farmers of the state. Presiding over the function, Prof. Surendranath Pasupalak, VC, highlighted the various activities of the university to improve the quality of academic, research and extension activities. The guest of honour, Dr Saurabh Garg, Principal Secretary, Dep. of Agriculture & Farmers' Empowerment, Government of Odisha emphasised on strengthening co-ordination among research scientists and extension functionaries for effective transfer of technology. Various successful farmer innovators were honoured during the occasion. The foundation stone of Techno Park Cottage was laid by the guests. Institution-Farmer Innovator Interface and exhibition was organized during the celebration.



Celebration of OUAT Foundation Day

Gaon Ku Jiba Chasi Bhetiba Programme

The flag-off programme for Gaon Ku Jiba Chasi Bhetiba under Rural Agricultural/ Horticultural Work Experience activities of final year students of B.Sc. (Hons.) Agriculture and B. Sc. (Hons.) Horticulture was organized on 2 July 2018. This was graced by Dr Gagan Kumar Dhal, Agriculture Production Commissioner, Dep. of Agriculture and Farmers' Empowerment, Government of Odisha, and Prof. S. Pasupalak, VC, at College of Agriculture, Bhubaneswar. Under this programme, the students will be acquainted with the socio- economic conditions of the farmers, and they will diagnose various field problems faced by the farming community.



Flagging up of students for RAWE

Induction Programme for Freshers

An induction ceremony for the first year students was organized in the OUAT, on 31 July 2018. In his presidential address, Prof. S. Pasupalak, VC, OUAT highlighted the educational reforms such as improved pedagogy, value- based education and problem based learning taken up in the university. There was discussion on academic programmes along with research and extension activities undertaken in the university. Information on academic rules, student scholarship, scope of employment, skill development, accommodation facilities, library, students' amenities etc. were provided to the newly admitted students. A special inspirational speech on achieving excellence ensuring humanity and contribution to society was made by Mr Sunil Kumar Mishra, Chief Information Commissioner, Odisha.



Induction Programme for freshers

Swachha Bharat Mission at College of Fisheries

The fourth anniversary of Swachha Bharat Mission with campaign "Swachhata hi Seva" was successfully organized at College of Fisheries, Rangailunda under OUAT during 15 Sep-2 Oct 2018. Total, 132 UG and PG students, along with the teachers participated in the programme in phased manner. The main activities included pledging ceremony, cleaning of administrative block, cleaning of hostel premises, cleaning of campus road, and cleaning of road and campus of the adopted village Badapur.



Swachha Bharat Mission at College of Fisheries

Awards

ANAND AGRICULTURAL UNIVERSITY, ANAND

Award to Dr B.D. Patel

Dr B. D. Patel, Agronomist & PI, AICRP- Weed Management, AAU, Anand, received prestigious UPL Limited Award-2018 for "Effective transfer of plant- protection technologies to the farmers". The honour was conferred for significant contribution in the field of Weed Science to disseminate weed-management technologies to the farming community from PPAG (Plant Protection Association of Gujarat) on 29 Sep 2018. The award was given on the occasion of a state-level seminar on "Uttar Gujaratna Badhayati Pakoma Pak Paksanraxan", organized by PPAG at Sardarkrushinagar Dantiwada Agricultural University, S. K. Nagar (Gujarat).



Dr B.D. Patel, receiving UPL award

G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

Award to University Scientists

Pantvarsity fetched six prizes in National Mango Festival-2018, organized at DehraDun by Horticulture and Food Processing Department of Uttarakhand during 16-17 July 2018. Shri Subhodh Uniyal, Minister of Agriculture and Horticulture of Uttarakhand, presented these prizes to the team of Horticulture Research Centre of the university which had put its stall in the festival. These prizes included first prize for exhibiting maximum number of varieties, i.e. 117, by any organization in the fest. The five prizes included one first prize and four second prizes in different categories of mango for producing specific and high-quality varieties exhibited under hybrid/exotic varieties group. A large number of organizations from all-over the country participated in this mango festival.



Shri Subodh Uniyal, giving prize to Pantvarsity scientist, Dr A.K. Singh, in mango festival

Dr Biswajit Pramanick of College of Agriculture received Young Scientist Award from Society of Tropical Agriculture on the occasion of '7th international conference on agriculture, horticulture and plant sciences' in, Shimla during 28-29 June 2018. He also received the Best-paper presentation award during the conference for his oral presentation on the topic 'Integrated farming system : a prospective approach towards sustainable agriculture'.



Dr Biswajit Pramanick

Dr Sanjay Kumar of Sugarcane Research Centre, at Kashipur received Global Extension Excellence Award at International

New Vice Chancellor

Conference, held at Kuala Lumpur, Malaysia, during 10-13 July 2018, on presentation of his research paper.



Dr Sanjay Kumar

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES, PANANGAD

KUFOS Scientist Bags WAS Fellow Award

Dr K. Dinesh, Head of Department of Aquaculture, KUFOS, won the World Aquaculture Society Fellow Award-2018. The Award has instituted by the Society in 2011. Dr Dinesh is the second Indian to receive this award, after late Prof. M.C. Nandeeshain in 2012. The award was presented to Dr Dinesh in August 2018 at Montpellier, France. Dr K. Dinesh also received a Certificate of Appreciation from WAS Asian Pacific Chapter, Bangkok, (Thailand) for serving the WAS Asian Pacific Chapter, as the Director from 2016 to 2018.

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR

Dr APJ Abdul Kalam Life-Time Achievement National Award to Dr Sachin W. Bonde

Dr Sachin W. Bonde, I/C Professor and Head, Department of Veterinary Biochemistry, Nagpur Veterinary College, Nagpur received Dr APJ Abdul Kalam Life-Time Achievement National Award on 18 Aug 2018 at Bengaluru. The award was given by International Institute for Social and Economic Reforms, Bengaluru, for distinguished contributions to the development of the Nation and achieving outstanding excellence in the field of Teaching, Research and Publication.

'Best Citizen of India Award 2018' to Prof. (Dr) V. D. Aher

Dr V. D. Aher, Professor & Head, Department of Veterinary Surgery & Radiology, COVAS, Parbhani, was conferred 'The Best Citizen of India Award-2018'. It was given by International Publishing House: 'The World's Most Leading Biographical Specialists', recently.



Felicitation of Dr V.D. Aher as a member receiving the prestigious award

Dr Aher was awarded for his immense contribution in teaching, research and extension activities in Marathwada region of Maharashtra. Honouring the efforts of Dr Aher in the spread of science for awareness and making an empowered farmers society. M/S Chaturang Praitishthan, Parbhani felicitated Dr. V D. Aher, as a member receiving this prestigious award. During the felicitation and the memento handed over Krishi Bhushan Shri Kantraoji Deshmukh and Chief Guest Dr Vamanrao Jadhav, Dean SRTMU, Nanded and Mr Sunil Deshmukh, Chairman, Standing Committee, Municipal Corporation, Parbhani.

Best Poster Presentation Award

Shri Neelagiri Shreya Rao and Shri Mahesh Dhangar, final year students under guidance of Dr Rupali Charjan, Assistant Professor, Department of Anatomy and Histology, Nagpur Veterinary College, Nagpur received Best Poster Presentation Award. It was given for their posters "Comparative morphological study on skull of



Students with certificate for Best Poster Presentation Award

some Indian wild carnivores and omnivores" and "Hair casting: an alteration for scanning electron microscopy for species identification". The occasion was XII Annual Convention of Association of Indian Zoo & Wildlife Veterinarian & National Conference, held during 29-30 Sep 2018 at College of Veterinary and Animal Sciences, GBPUAT, Pantnagar, Uttarakhand.

G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

Dr Tej Partap, Joins as VC

Dr Tej Partap, took over as Vice-Chancellor of GBPUAT, Pantnagar on 16 Oct. 2018. For his achievements, this is his fifth term and fourth university as Vice-Chancellor. He served in Himachal Pradesh, Jammu and Kashmir (12 years) and now in Uttarakhand. He has international professional expertise as policy and strategy expert on Mountain farming and Organic agriculture with institutional leadership and management, both at national and international level for over 33 years. He worked as Professional staff and Head of Mountain Agriculture Programme at International Centre for Integrated Mountain Development for 13 years. Before joining here, he was VC, APS Shimla University till October 2018.



Dr Tej Partap

His involvement in building the organic agriculture movement of India started in 2003, by setting up International Competence Centre for Organic Agriculture, as one of the founder members. He led ICCOA as its first Executive Director during, 2005- 2006. After that he continues to be on the Board of Directors, and continuing since 2016.

The National Commission on Farmers used his services to formulate hill agriculture sector and organic farming sector reports. Later he led the team which prepared the Organic sub-sector proposal for 11th Five-Year Plan. He prepared Vision and Mission-2020 of Organic Agriculture in India. States like Sikkim and Himachal Pradesh benefited, through these programmes.

Dr Partap has long experience of international bodies, international initiatives, consortia etc. He was on the Steering Committee of Global Mountain Program of CGIAR for 3 years and represented Asia Pacific as elected representative on the Governing Board of the Global Mountain Forum (2000-2002) . He travelled widely and worked in the Andean region of South America, Alps in Europe, African highlands, Asian uplands from Thailand to Philippines and Japan and every part of the 8 countries of the Hindu Kush Himalayan region from Afghanistan to China and, to Myanmar. The widely acknowledged outstanding achievements credited to him also include the Tibet Agriculture sector Institutional Capacity Building programme; bringing China's sea buckthorn success story to outside world and bringing the Sloping Agriculture Land Technology of Philippines to our part of the world . In recognition of his contribution in Tibet, Dr Partap was awarded Honorary Professor in Mountain Agriculture by Tibet Academy of Agriculture and Animal Sciences in 1996, and by Institute of Geography and Natural Resources, Chinese Academy of Sciences, Beijing, (China) in 1995.