



# AAU

## NEWSLETTER

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### Message

Pests and diseases adversely affect crop productivity and the stability of production in the tropics. The annual losses due to crop pests (insects, mites, nematodes and diseases) in India was estimated at ₹ 60,000 million in 1983, which at today's prices could exceed ₹ 200,000 million. The extreme reliance on chemical pesticides leads to development of resistance in pests, outbreak of secondary pests, toxicity



towards natural enemies and occurrence of pesticide residues in food chain. Considering these limitations, there has been a growing attention to develop alternative measures which bring about a reasonably good degree of pest reduction and at the same time ensure sustainability of production. Biological control, i.e. conservation, augmentation and introduction of exotic natural enemies, has been accepted as an effective, environmentally non-degrading, technically appropriate, economically viable and socially acceptable method of pest management. Commercial scale production of biopesticides for the biological control of pests in the recent past has been quite intense. Several package of practices have been developed nationally and internationally for pest management using commercially available bio-inputs.

AICRP on Biological Control was initiated during the year 1977 for minimizing the application of chemical pesticides and to develop eco-friendly biological control methods for the sustainable management of pests. As a result, several new approaches have been developed and biocontrol technologies have been standardized and field-tested for wider acceptance by the end users, the farmers. Efficient methods of mass multiplication of parasitoids, predators and pathogens against insect pests and antagonists against plant pathogens and plant parasitic nematodes have been developed. The field demonstrations through AICRP centers have increased the awareness of farmers regarding the usefulness of biological control based pest management. The success achieved in the biological control of papaya mealybug, sugar cane woolly aphid, eucalyptus gall wasp, root grubs and several others notorious indigenous and exotic pests is being successfully sustained through constant monitoring and redistribution/conservation of biocontrol agents. The AICRP BC has played a prominent role in monitoring the entry and spread of invasive pests. The recent invasive pests managed through AICRP-BC initiatives are tomato pinworm, *Tuta absoluta* and the Fall armyworm (FAW) *Spodoptera frugiperda* infesting maize.

Biological Control Research Laboratory of Anand Agricultural University has made significant contributions in biological control of crop pests and diseases. Bioagent *Trichogramma* spp. an egg parasitoid is being supplied to the farmers in the form of trichocards. Biopesticides attract a great attention in the present era of organic agriculture and the centre is being involved in the mass production and distribution of bio-pesticides (ICAR-NBAIR strains) such as *Beauveria bassiana*, *Lecanicillium lecanii*, *Metarhizium anisopliae*, *Bacillus thuringiensis*, *Paecilomyces lilacinus*, *Trichoderma* spp, *Pseudomonas fluorescens* and *Bacillus subtilis* to the farmers and farmer trainees for demonstration purpose. Further, RKVY funded project on 'Establishment of mass production laboratory of native bio-control agents for insect pest management' with an outlay of ₹ 81.92 lakhs and Organic Farming Cell, Govt. of Gujarat funded project on 'Creation of mass production facility of bio-pesticides for plant disease management' with an outlay of ₹ 160.00 lakhs are being implemented in the centre with effective from the year 2018-19. Recently, the centre has documented natural occurrence of Nucleopolyhedrovirus (NPV) infecting Fall armyworm *Spodoptera frugiperda* in Gujarat, India. *Spodoptera frugiperda* is a new invasive pest recently invaded India and causing significant loss in maize crop. This documentation is the first report of natural occurrence of NPV in Gujarat. Hence, the bioagents and bio-pesticides seem to be the most important components in integrated pest management strategies and also ensure the sustainability in crop production.

*N.Patel*

( N. C. Patel )  
Vice Chancellor

## KISAN KALYAN MAHOTSAV 2019



A state level Kisan Kalyan Mahotsav programme 2019 was organised at Morva (H.), Dist. Panchmahal on 16 June 2019 in

the esteem presence of Shri Vijaybhai Rupani, Honorable Chief Minister of Gujarat state. Different new research technologies and products of Anand Agricultural University were exhibited in the programme. More than 10,000 farmers and farmwomen participated in this agrarian event.

## 28<sup>th</sup> ANNUAL BIO-CONTROL WORKERS GROUP MEETING



The 28<sup>th</sup> Annual Bio-control Workers Group Meeting of All India Coordinated Research Project on Biological Control of Crop Pests was organized at Anand Agricultural University, Anand from 6 to 8 June 2019. The workshop was inaugurated by Dr. N.C. Patel, Vice-Chancellor, AAU, Anand. During inaugural address, Hon'ble Vice Chancellor highlighted the different issues pertaining to crop protection in Gujarat state and insisted the importance of bioagents and bio-pesticides for eco-friendly management of crop pest and diseases. Dr. Rajan, Assistant Director General (Plant Protection & Biosafety) ICAR suggested to focus on bioagents to tackle insect pests and to reduce pesticides usage by 25% by 2025. Dr. K. B. Kathiria, Director of Research and Dean PG studies, AAU Anand, highlighted the contribution of AICRP-BC centre of AAU Anand in felicitating the farmers who have adopted biocontrol technologies for insect pest and disease management. Dr. Arun Patel, Director of Extension Education, AAU, Anand also graced the programme.

Dr. S.N. Puri, former Vice Chancellor, CAU, Imphal, Dr. B. V. Patil, former Vice Chancellor, UAS Raichur; Dr. M. Anandraj, former Director, ICAR-IISR Calicut and Dr. D.J. Bagyaraj, INSA Honorary Scientist & Chairman, CNBRCD, Bengaluru were the external experts who participated in the workshop. Dr. (Mrs.) Chandish R Ballal, Project Coordinator & Director, ICAR-National Bureau of Agricultural Insect Resources, Bengaluru presented the research highlights of the 28 centres of the AICRP Bio Contro. Publications of NBAIR, AAU-A, UAS-R, AAU-J, CISH, IGKV Raipur, SKAUST, Srinagar and MPUAT

Udaipur were released by the Chief Guest and other dignitaries. The workshop was attended by more than 100 participants, including partners from AICRP Bio Control Centres at SAUs, ICAR Institutes and private entrepreneurs. The work done by the centres on biodiversity documentation, evaluation of different biocontrol modules and large scale demonstrations under different crop ecosystems was presented and the results were discussed in detail to arrive at clear recommendations. The technical programme for 2019-20 was discussed in detail.



### INDUSTRY INTERFACE MEET



One day Industry Interface Meet was organized at Anand Agricultural University campus on 10 June 2019. The meet was jointly organized by Faculty of Dairy Science and Faculty of Food Processing Technology. Around 75 technical persons and policy makers from dairy and food industry as well as small and medium business holders and entrepreneurs, mainly from Gujarat and other States participated in this event.

During the inaugural session, the Principal and Dean, S. M. C. College of Dairy Science, Dr. J. B. Prajapati, welcomed all the participants and gave a brief background and achievements of



both the faculties. Dr. R. F. Sutar, In-charge Dean of Food Processing Technology & Bio-Energy described about the range of products, processes and equipment developed by both the faculties. Dr. K. B. Kathiria, Director of Research and Dean Post Graduate Studies, AAU, informed that the university has completed a good number of research projects in both the faculties. Dr. N. C. Patel, Vice Chancellor, AAU pointed out that during the last few years the scientists of both the faculties have carried out intensive research and released several recommendations related to new product technologies, process up gradation, new equipment, tools, etc. and the main aim of this meet was to take the university's research output to its real users. He added that the university intends to popularize its research recommendations among maximum possible beneficiaries and indicated that the university will continue to organize such events in future also. Inauguration was followed by presentation of technologies by the faculty of dairy science. Total 36 technologies / process/novel products were presented. After this, the faculty of food processing technology made presentations. Later on the participants were acquainted to different laboratories, pilot plants and research infrastructure of both the faculties.

### MEETING FOR PLANNING OF ANNUAL SEED/ PLANTING MATERIALS' PRODUCTION PROGRAMME

A meeting to finalize Seed/ Planting materials' Production Programme, 2019 -20 of Anand Agricultural University, Anand was organised under the Chairmanship of Director of Research & Dean, P. G. Studies, Dr. K. B. Kathiria on 25 April 2019 at the *Beej Srushtee* Building, RRS, AAU, Anand. Total 64 participants covering all the 31 Centres/ Departments of the University producing different Seeds/ Planting materials attended in the meeting. Quality seed production and associated points were briefed by Dr. K. B. Kathiria and centre wise indent/ input requirements were discussed by Dr. A. C.

Sadhu, Nodal Officer (Seed). Total 355 ha. area was planned for seed production of major crops of the central Gujarat, viz. Paddy, Maize, Wheat, Castor, Green Gram, Pigeon Pea, Soybean, Lucerne, Oat, Gram, Deshi Cotton and Tobacco during Kharif and Rabi season.



**PROBIOTIC AWARENESS DAY – AN AWARENESS PROGRAMME AND CONTEST FOR SCHOOL CHILDREN**



SMC College of Dairy Science, Anand Agricultural University in association with Gut Microbiota and Probiotic Science Foundation, India and SASNET-Fermented foods organised 'PROBIOTIC AWARENESS DAY'- An awareness programme and contest for school children on 29 June 2019. The programme aimed at increasing awareness among school children about probiotics, their health benefits and probiotic foods. The oral presentation contest was on 'Role of Probiotics or Friendly Bacteria in Human Health'. Twenty two schools from Anand and around enthusiastically participated in the event.

Dr. J. B. Prajapati, Principal & Dean in his welcome address said that he was highly overwhelmed by the performance of students. Dr. Neerja Hajela, Secretary, Gut Microbiota and Probiotic Science Foundation (GMPSF, India) also commented on the event as very meaningful and performance of school students was very outstanding. Mr. Tomoyuki Iwama, Director - Production & Science, Yakult Danone India Pvt. Ltd., also attended the programme. Dr. J. M. Dave, Former Dean, Faculty of Dairy Science was the Chief Guest of the function. He focused on the contributions made by the Department of Dairy Microbiology, SMC College of Dairy science in the field of probiotics. Dr. Arun Patel, Director of Extension Education in



his presidential address stressed on importance of probiotic food in the present scenario where consumers, especially the adolescents are highly calorie conscious. He also spoke on various research activities of Anand Agricultural University including probiotic strains isolated by Dairy Microbiology Department. He appealed the students to plant and rear a tree to counter the danger of climate change. The awards like cash prizes, trophies and certificates were given to the winners. First prize in the English medium category was given to Swaminarayan Vidhyapith, Karamsad, second prize to P. M. International School, Borsad and third prize to Shristi English Medium School, Anand. In the Gujarati medium category, the first prize was given to Sardar Vallabhbai Patel High School, Khetiwadi, second prize to Salvation Army William Booth Memorial High School, Anand and third prize to D.N. High School, Anand. The jury comprised of 2 scientists and 2 doctors viz. Dr. J. M. Dave, Former Dean, Faculty of Dairy Science, Dr. R. K. Shah, Retired Professor, SMC College of Dairy Science, Dr. Manisha Gohel, Pramukh Swami Medical College and Dr. Rupal Patel, Pramukh Swami Medical College, Karamsad Hospital. Dr. Sreeja V., Organizing Secretary and Assistant Professor of Dairy Microbiology proposed vote of thanks.

**8<sup>th</sup> ANNUAL DAY OF SHETH M.C. POLYTECHNIC IN AGRICULTURE, AAU, ANAND**

8<sup>th</sup> Annual Day 'HARMONY' 2019 was celebrated by Sheth M.C. Polytechnic in Agriculture, AAU, Anand on 20 May 2019. The main objective of this programme was to bestow blessings cum farewell by the higher authorities of the university which



may encourage the students for their bright future in the coming years. The programme was organized under the guidance and supervision of Dr. V. J. Patel, Principal, SMC Polytechnic in Agriculture, AAU, Anand with cooperation of other faculty members. Cultural activities viz., solo-dance, group dance, drama-dance, etc. were performed by the students with great energy and enthusiasm.

The programme was inaugurated by Hon. Vice Chancellor, Dr. N. C. Patel, Dr. K. B. Kathiria, Director of Research and Dean P.G. studies, Dr. M. V. Patel, Principal and Dean (Agriculture), Dr. M. M. Trivedi, Director of Student Welfare, Dr. Arun Patel, Director of Extension Education and Dr. K. P. Patel, Chief Guest and Former Principal and Dean (Agriculture). Dr. N. C. Patel, Hon., Vice Chancellor blessed the students for their bright future and also provided valuable guidance to the last year students. Dr. K. B. Kathiria inspired the students for acquiring the higher post-graduate degree. Dr. M. V. Patel, Principal and Dean (Agriculture) also blessed the students and was very happy to see various cultural, educational, N.S.S, career oriented, spiritual and awareness activities performed by the students around the year and also congratulated all the faculty members. Dr. M. M. Trivedi, Director of Students Welfare also inspire the students to perform better in various co-curricular and extracurricular activities.



## CELEBRATION OF THE SEVENTH ANNUAL DAY "VASODHARA - 2019" AT COLLEGE OF AGRICULTURE AND POLYTECHNIC IN AGRICULTURE, VASO



College of Agriculture and Polytechnic in Agriculture, Vaso celebrated its 7<sup>th</sup> Annual Day 'Vasodhara – 2019' on 12 April 2019 in the august presence of Dr. N. C. Patel, the Hon'ble Vice Chancellor, AAU, Anand as the President of the function. Shri Dipak Soliya, a famous journalist and columnist and an alumnus of B. A. College of Agriculture chaired the function as the Chief Guest. Dr. K. B. Kathiria, Director of Research; Dr. M. M. Trivedi, Director of Students' Welfare; Dr. M. V. Patel, Dean of Faculty of Agriculture and Dr. A. M. Shekh, former Vice Chancellor of AAU blessed the students. Different competitions like One Minute, Dumb Charades, Khaat pe Baat, Tug of War, Cine Magic, Singing-Dancing etc. were organised as a part of the annual day celebration in which all the students participated enthusiastically. The students also enjoyed *rangoli* making, *garba* and college decoration. In the beginning of the programme, Dr. Y. M. Shukla, Principal of the college, welcomed every one and briefed about progress the college has made in the last year. Prizes were distributed to the winners of different competitions. The dignitaries blessed all the graduating students for their lives ahead and career. The programme ended with vote of thanks from Mr. Sahdev Luhar, SRC Chairman of the college. The celebration of 'Vasodhara – 2019' ended successfully with the national anthem.

## SPECIAL GUEST LECTURE ON MICRONUTRIENT

Special guest lecture on Micronutrient was arranged on 3 April 2019 at SMC Polytechnic Agriculture, AAU, Anand. It was delivered by Dr. V. P. Ramani, Associate



Director of Research, AAU, Anand. He explained about the importance of micronutrient in crop production, deficiency symptoms of various nutrients, soil health card and how to overcome nutrient deficiency in a very interesting manner.

### BAYER SAFE USE AMBASSADOR



'Bayer Safe Use AMBASSADOR' programme was organized by the Department of Entomology, BACA, AAU, Anand in collaboration with Bayer Crop Science, Mumbai on 24 July 2019 as a part of Hon. Prime Minister's Gol supported student READY programme. In this regard, Department of Entomology and Bayer Crop Science joined hands to provide exposure regarding safe use of pesticides to the students of 7th Semester B. Sc. (Hons.) Agriculture. For this programme, Bayer Crop Science had selected one student from five different SAUs of the country. Among 616 students of five SAUs, Nilesh Gorani, a student of BACA, AAU, Anand was selected. He got 7 days exposure in Germany and learned about research & development activities and safe use of pesticide globally. It's a matter of proud for entire AAU fraternity.

### INTERNATIONAL DAY OF YOGA

June 21 is declared by the United Nations as 'International Day



of Yoga'. Under this, 5<sup>th</sup> International Day of Yoga was celebrated at the University Bhavan on 21 June 2019 in which, the unit/sub-unit officers, employees, students, volunteers of National Service Scheme and university residents participated. Yoga Demonstration was made by playing a video of Common Yoga Protocol by Ministry of AYUSH on big LED Screen. Dr. D. H. Patel, Director, Students Welfare co-ordinated the programme.



International Day of Yoga was celebrated at KVK, AAU, Devataj on 21st June 2019. Dr. S. B. Katole, Scientist. (Animal Science) guided the practice of yoga and briefed the importance of Yoga in day to day life to live stress-free. Total 20 farmers including staff of the KVK participated in this programme.



### DISTINGUISHED VISITORS

- Dr. A. L. Pharande, Dean, Faculty of Agriculture & Director of Instruction, MPKV, Rahuri (Mah) visited Department of Agricultural Microbiology and Biofertilizer production unit on 14 May 2019.



- Dr. Madhuri Joshi, DEE, SKN, Ag. Univ., Jobner visited Biofertilizer production plant and interacted with farmers on 16 May 2019.



- A team of scientists Dr. Bagyaraj, INSA Hon.Scientist, NBRCD, Bangalore; Dr. D. M. Anandraj , Sr.Director, ICAR, IISR and Dr. Nagesh, Nematologist attending 'AICRP on Biological Control workshop' on 7 June 2019 visited Dept. of Microbiology and Biofertilizer production plant.



- Dr. S. N. Puri former Vice Chancellor, MPKV, Rahuri and CAU, Imphal alongwith Dr. B. V. Patil, former Vice Chancellor, UAS, Raipur and Biocontrol Expert visited Dept. of Microbiology and Biofertilizer production plant on 7 June 2019.



- Mrs. Françoise Moreau Lalanne, Counsellor for Agricultural Affairs, French Embassy in India, New Delhi visited Dept. of Microbiology and Biofertilizer Unit on 12 June 2019.



## CERTIFICATE DISTRIBUTION-CUM-ORIENTATION PROGRAMME OF DAESI



Certificate Distribution-cum-Orientation Programme for “Diploma in Agricultural Extension Services for Input Dealers (DAESI)” was organized at Institute of Distance Education, Anand Agricultural University, Anand on 25 June 2019 under the Chairmanship of Dr. N. C. Patel, Hon'ble Vice-Chancellor, AAU. Dr. K. B. Kathiria, Director of Research & Dean, PG Studies, AAU remained present as the Chief Guest of the programme. Dr. Arun Patel, Director of Extension Education,



AAU and Dr. M. M. Trivedi, Registrar, AAU, Anand remained present as the Guests of Honor. Dr. N. C. Patel, along with other dignitaries on the dias awarded Diploma to 50 input dealers and released a book on 'Activities and Achievements of DAESI' published by the IDEA since its inception from the year 2012-13 to June 2019. The programme ended with vote of thanks by Dr. A. R. Makwan, Associate Professor, College of Agriculture, Jabugam.

### TRAINING AND BACKSTOPPING FOR FPO FORMATION



KVK, AAU, Devataj conducted a training and backstopping for the Farmers Producer Organization (FPO) formation in Petlad and Tarapur talukas to enable farmers to enhance

productivity through efficient, cost-effective and sustainable resource use and realize higher returns for their produce through collective action supported by the government and fruitful collaboration with academia, research agencies, civil society and the private sector. During this programme, farmers were oriented to various activities of FPOs such as how to promote economically viable, democratic and self governing FPOs. In this programme, representatives of private sector and 38 progressive farmers of different villages of Petlad and Tarapur talukas actively participated.

### CONTINUOUS VETERINARY EDUCATION PROGRAMME (CVE) ON CANINE DENTISTRY



Department of Veterinary Surgery and Radiology, College of

Veterinary Science and Animal Husbandry, AAU, Anand organized Continuous Veterinary Education Programme (CVE) on 'Canine Dentistry' sponsored by Juggat Pharma Banglore for PG students and staff members on 08 June 2019. Dr. Vimisha Patel (Professional Dentist- Vadodara) shared detailed knowledge of canine dentistry basics, anatomy, diagnosis of routine dental problems, dental surgeries and medicinal management. Total 35 Veterinary Graduates attended one day CVE and gained basic and advance knowledge of canine dentistry. The programme was appreciated by Dean, Veterinary College, Anand.

### PARTICIPATION IN WORKSHOP

Dr. G. G. Patel, Senior Scientist & Head, KVK, AAU, Anand attended and presented Annual Progress Report of KVK during Annual Zonal Workshop of KVKs of Zone-VIII (Gujarat, Maharashtra and Goa) organized by ICAR-ATARI, Pune during 14-16 June, 2019 at ICAR-Central Coastal Agricultural Research Institute, Goa.

### TRAINING PROGRAMME

Training programmes on 'Integrated Weed Management in Modern Agriculture' under plan scheme were organized by AICRP - Weed



Management for the farmers of Gujarat during 28-30 May 2019 and 28-30 June 2019 at Aniket farmer's hostel, AAU, Anand. Total 82 farmers participated in these training programmes. Dr. B. D. Patel, Agronomist and Shri D. D. Chaudhari, Jr. Agronomist, AICRP-WM, AAU, Anand highlighted various methods to manage weeds in the important crops and non-crop area, effect of herbicides on soil, plant and microflora. Spraying of herbicides during the practical session was also demonstrated.



## INTERACTIVE SESSION AT ARS, SANSOLI



Interaction/Group discussion with 48 officials of line department (Extension officer, Gram Sevak, ATMA-BTM, ATM, FF), Government of

Gujarat and Scientists of Agricultural Research Station, Sansoli was organized at Farm Technology Training Centre (FTTC), Nenpur on 12 June 2019. The interaction was focused on crop production practices of kharif crops, ways of dissemination of scientific information to the farmers and solutions of common problems perceived by farmers with respect to farming.

## TRAINING ON INTEGRATED PEST MANAGEMENT

Under the scheme 'Integrated Pest Management' supported by State Government, four IPM trainings conducted during April-June 2019 at Department of Entomology, BACA, AAU, Anand. In these training programmes, total 157 farmers participated from Amreli, Vadodara, Devbhumi dwarka and Vadodara districts of Gujarat.



## FARMERS' TRAINING AT NAWAGAM

Farmers' training programme on transplanted paddy from 01-04 June 2019 conducted by MRRS, Nawagam (Dist. Kheda) in collaboration with ATMA Project, Kheda. Total 400

farmers of 20 villages of Kheda, Matar, Vaso and Nadiad talukas of the district participated in this training programme. The programme was ended with concluding remarks and vote of thanks expressed by Project Director, ATMA.

## TRAINING PROGRAMME AT MMRS, AAU, GODHRA



Main Maize Research Station, AAU, Godhra organized three on-campus training programmes on 'Scientific Maize Cultivation Practices' under ICAR scheme of

Scheduled Caste Sub-Plan (SCSP) and Bio-fertilizer project during June-2019. Hybrid maize, *Beauveria besiana* and Bio-NPK consortium were distributed specially to the Scheduled Cast farmers of Panchmahal, Dahod and Mahisagar Districts to improving livelihood

and to create awareness about new technology. Lectures on various aspects of scientific maize cultivation practices were delivered. Total 125 farmers participated from different districts.



## KHEDUT SHIBIRS AT ARS, SANSOLI

- On 26 April 2019, a Khedut Shibir organized at Sojali village of Mahemdavad taluka in collaboration with Kisan



Suvidha Kendra (GSFC), Khatraj. Total 31 farmers enthusiastically participated in the programme. Dr. J. K. Patel, Associate Research Scientist delivered a talk on importance and applications of fertilizers for economic crop production. Dr. M. B. Zala, Assistant Research Scientist delivered a talk on importance of water soluble biofertilizers and biopesticides and solved common queries related to plant protection raised by the farmers.

- On 11 June 2019, a Khedut Shibir was organized at Vasna khurd village of Kheda taluka. Total 30 women farmers enthusiastically participated in the programme. During the programme, Dr. J. K. Patel, Associate Research Scientist and Dr. M. B. Zala, Assistant Research Scientist briefed about various problems perceived by farmers during farming and suggested them to participate in various skill development programmes organized by Farm Technology Training Centre (FTTC), Nenpur and keep themselves updated about modern technologies in agriculture and allied sectors.



Vasai. Total 123 farmers of nearby villages of Dabhoi taluka participated in the *Khedut Shibir*. Dr. K. B. Kathiria, Director of Research, A.A.U., Anand and Dr. H. P. Patel, Unit Head, Pulse Research Station, Vadodara remained present and delivered speech on various aspects of the Integrated Pest Management in Maize crop. The programme ended with the concluding remarks of Shri R. L. Chotaliya, Unit Head, Paddy Research Station, AAU, Dabhoi.



### OUR PRIDE

### SEED AND FERTILIZER DISTRIBUTION UNDER SARDAR SAROVAR PROJECT

Seed of paddy variety (GAR-14) and fertilizer were distributed to the beneficiary farmers. Use of Leaf Colour Chart in GAR-13 paddy variety demonstration was organized on 19 and 20 June 2019 under the aegis of Sardar Sarovar Project at Paddy Research Station, AAU, Dabhoi. The distribution programme was arranged at Dheberpura, Makni and Fafat village by Shri R. L. Chotaliya, Unit Head and Shri A. R. Patel, Senior Research Fellow. Total 30 beneficiary farmers benefitted under this programmes.



- ICAR- Indian Institute of Seed Science, Mau, ICAR-NSP (Crops) and ICAR Seed Project honored Dr. A. C. Sadhu, Research Scientist & Nodal Officer (Seed) for outstanding contribution made towards Quality Seed Production at Joint Annual Group Meeting of AICRP-NSP (Crops) & ICAR Seed Project at CCSHAU, Hissar during 7-9 April 2019'.



- Dr. Akarsh Parihar, I/c Unit Officer and Research Scientist, Department of Agricultural Biotechnology, AAU, Anand was conferred as Fellow of International Society for Noni Science (ISNS) for the year 2019 during national seminar cum interactive workshop on 'Noni and Medicinal Plants in

### KHEDUT SHIBIR AT DABHOI

Paddy Research Station, AAU, Dabhoi conducted a *Khedut Shibir* under Sardar Sarovar Project on 11 February 2019 at

Human Wellness' organized by University of Madras in collaboration with ISNS and World Noni Research Foundation at Chennai held on 23-24 March 2019 in the gracious presence of Dr. Kirti Singh, Ex. Vice Chancellor of three universities and Chairman, ASRB, New Delhi & President ISNS (International Society of Noni Science), Dr. Brahma Singh, Padma Shri and Former Director, Life Sciences, DRDO, New Delhi and Dr. A.K. Srivastva, Ex-Chairman, ASRB, New Delhi. This fellowship is conferred by the Society in recognition of outstanding contributions related to Agricultural Research and Development and research contribution on Noni (*Morinda citrifolia*), which is one of the very valuable medicinal plant.



- Dr. Vinay Kumar H.M., Assistant Professor, Department of Agricultural Extension and Communication, B. A. College of Agriculture was awarded as the Best Young Extension Scientist considering his valuable contribution in the field of extension education, extension research and extension services for the overall development of farming community and extension discipline. He was awarded during the national symposium of 'Pragmatic Perspectives of Agricultural Development Programmes in Present Scenario' held at Navsari Agricultural University, Navsari during 8-9 June 2019 by the Society of Extension Education.



Dr. Vinay Kumar H.M., also awarded with First Prize for the Best Paper presentation on the occasion of national symposium held at Navsari Agricultural University, Navsari during 8-9 June 2019 by the Society of Extension Education, Gujarat.

- Krishi Vigyan Kendra, Anand Agricultural University, Devataj was awarded with 'Best Presentation Award' in Annual Zonal Workshop of KVKs of Zone-VIII (Gujarat, Maharashtra and Goa) organized by ICAR-ATARI, Pune during 14-16 June 2019 at ICAR-Central Coastal Agricultural Research Institute, Goa. This award was given on the basis of overall activities of KVK and presentation during the workshop.
- Mr. Ravi Chaudhary, First Year Ph.D. student, Department of Agricultural Extension and Communication, B. A. College of Agriculture, AAU, Anand awarded with First Prize for Best Paper Presentation on the occasions of National Symposium held at Navsari Agricultural University, Navsari during 8-9 June 2019 by the Society of Extension Education, Gujarat.



### SMC COLLEGE OF DAIRY SCIENCE STUDENTS GET 100 PER CENT PLACEMENT

In 2018-19, a batch of 57 students with B. Tech. (Dairy Technology) degree, 16 post graduate students of M. Tech. (Dairying) and 3 Ph.D. students likely to pass from the SMC College of Dairy Science were presented for recruitment to the industry. Total 15 industries from cooperative and private sectors like GCMMF Ltd. (Amul), Tetrapack Pvt. Ltd., Amulved Dairy, Adare Foods, Other cooperative unions, etc. participated in placement activities. All the students, who presented themselves for recruitment were successful in getting the job. The average salary for bachelor students was ₹ 4.7 lakh per annum and for post graduate students was ₹ 6.25 lakh per annum. The highest salary received by 4 Post graduate students was ₹ 8.7 lakh per annum.



## AAU PUBLICATIONS



## PUBLICATION OF FARM MAGAZINE



The Publication Unit, DoEE, AAU, Anand publishes the monthly farm magazine 'Krushigovidya' regularly for the benefit of the farming community since May 1948. There are 20,700 subscribers registered for this multicolored farm magazine upto June 2019.

## RETIREMENTS

### April 2019

- 1 Dr. Ashokkumar Dhananjay Patel, Veterinary College, Associate Professor, Anand
- 2 Dr. Mansukhlal Shankarbhai Jakasaniya, Associate Professor, College of Agriculture, Vaso
- 3 Shri Jagdishchandra Joiytabhai Patel, Agril Assistant, BACA, Anand
- 4 Shri Harmanbhai Dayabhai Patel, Agril Supervisor, BACA, Anand
- 5 Shri Parbatsing Gotabhai Sodhaparmar, Agril Supervisor, BACA, Anand
- 6 Shri Bhailalbhai Raysingbhai Gohel, Mukadam, BTRS, Anand
- 7 Shri Akhmsingh Raiyshing Damor, Peon, ARS, Thasra

8 Shri Desaibhai Mangalbhai Gohel, Milkar (Kalam-1)

9 Shri Amarshing Sankarbhai Gohel, Pump Opretor (Kalam-1)

### May 2019

10 Dr. Ashwinkumar Manubhai Thaker, Principal, Veterinary College, Anand

11 Shri Mafatbhai Shankarbhai Barot, Head Clerk, KVK, Dahod

12 Shri Manilal Pujabhai Parmar, BTRS, Anand

13 Shri Kalubhai Lujyabhai Bhuriya, Gowal (Kalam-1), Polytechnic in Agri. Engg. Dahod

14 Shri Chandrasankar Manilal Sevak, Peon-cum-cook, BACA, Anand

15 Smt. Vijuben Valabhai Rabari, Pasusarvar (Kalam-1), Veterinary College, Anand

### June 2019

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*The greater your storm the brighter your rainbow*

*- Unknown*

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