



# AAU

## NEWSLETTER

Volume : 14

No. : 3

Oct-Dec. : 2017

Publication of Anand Agricultural University

### PATRON

**Dr. N. C. Patel**  
Vice Chancellor

### EDITORIAL BOARD

**Dr. K. B. Kathiria**  
Chairman

**Dr. Arun Patel**  
Vice Chairman

### Members

**Dr. K. P. Patel**  
**Dr. A. M. Thaker**  
**Dr. D. C. Joshi**  
**Dr. M. N. Brahmbhatt**

### Editor

**Dr. N. V. Soni**

### Co-Editors

**Dr. M. K. Jhala**  
**Dr. D. D. Patel**

### Asst. Editor

**Dr. Nikhil Joshi**

### Quarterly Newsletter

Published by  
The Directorate of Extension Education  
Anand Agricultural University  
Anand - 388 110  
E-mail : [aaunews@aaui.in](mailto:aaunews@aaui.in)

For Office Use Only

### Message

Agriculture plays a vital role in India's economy. It supports 58% of the population. The country has made significant achievements in agriculture during six decades since the green revolution in late sixties. The production of food grains has increased by more than five times, from 50 million tonnes (mt) in 1950-1951 to 275.68 mt in 2016-2017; production of milk by more than eight times, from 17 mt to 146.3 mt over the same period. The share of agriculture in employment is 48.9 per cent of the workforce. Agriculture and allied sectors contributed approximately 13.9% of country's GDP. It ranks third in farm and agricultural outputs.



However, injudicious use of chemical pesticide in agriculture to manage pests has resulted in pesticides residues in agricultural produce, resistance in pests against the pesticides and chemical pollution in environment. The required amount of FYM & other manures is not available for crop production due to insufficient number of animals with the farmers; hence there is scarcity of micronutrients in soil resulting in poor crop growth and yields of farm produce. Due to unawareness of recycling of organic wastes, use of bio-pesticides, bio-fertilizers and integrated nutrient management in crops, the nutritional status in the farm produce is deficient and thus the health of the consumers have also been effected due to unavailability of proper nutrients from foods.

In this context, agriculturally beneficial microbes are gaining significance, as microbes are changing the whole scenario globally, i.e., biological control of plant diseases & insect pests; biofertilizers; microbial decomposition of organic matters; processing technology; agricultural product processing technology; etc. Useful *bioagents* viz *Trichoderma* spp., *Pseudomonas fluorescens*, etc for management of plant diseases; *Beauveria bassiana*, *Purpureocillium lilacinum* for management of insect pests and nematodes; *Azotobacter* spp., *Azospirillum* spp. as bio-fertilizers have been recommended for the use of the farmers. Similarly, microbes have also been found beneficial for enhancing the processing of agricultural products and milk.

There is tremendous scope of generating the employment in agriculture sector for commercial production of these microbes for the use of the farmers and entrepreneurs to augment integrated nutrient management of crops, ecofriendly and sustainable management of pests, and processing of food products and milk, etc., thereby reducing the cost of cultivation and help addressing the clarion call given by Hon. Prime Minister, Shri Narendra Modi for doubling the income of farmers by 2022.

( N. C. Patel )  
Vice Chancellor

## SPECIAL SYMPOSIUM ON BIOLOGICAL CONTROL OF PLANT DISEASES AT AAU, ANAND



Inauguration by Dr. Y. L. Nene Chief Guest; N. C. Patel Hon. VC, AAU and dignitaries

Special Symposium on “Microbial Antagonists and Their Role in Biological Control of Plant Diseases” was organized during 5-7 October 2017 jointly by Dept. of Plant Pathology, B. A. College of Agriculture AAU, Anand & Indian Phytopathological Society, New Delhi.

Dr. K. P. Patel, Dean, Faculty of Agriculture & Principal, BACA, Anand welcomed dignitaries and participants. Dr. Dinesh Singh, Secretary, IPS briefed about the IPS & Symposium overview; Introductory remarks of symposium were made by Dr. B. N. Chakraborty, President, IPS; Dr. S. S. Mane, Zonal President (WZ) IPS and Dr. K. B. Kathiria, Director of Research, & Dean, PG AAU, Anand. The dignitaries on the dais also released the Souvenir & Abstracts and two books on biological control. Guest of Honour Dr. C. D. Mayee, Former Chairman ASRB; and Chief Guest of the function Dr. Y. L. Nene, Former DDG, ICRISAT, Hyderabad, Emeritus Chairman, AAHF, Hyderabad addressed the gathering. Dr. N. C. Patel, Hon. VC of AAU and President of the symposium delivered the presidential address. At the



Release of books on Biological Control by Dr. N. C. Patel, Hon. VC & Dignitaries

end, Dr. R. N. Pandey, Organizing Secretary and Prof. & Head proposed the vote of thanks. Total 165 participants including renowned scientists from India and abroad, students, entrepreneurs, farmers, participated in the symposium. During the symposium total 8 sessions (Oral and poster) were conducted. Awards were given to the best presenter in each session in valedictory session.

## ONE DAY SEMINAR ON RAW MILK QUALITY - THE FIRST CRITICAL STEP TO ENSURE FOOD SAFETY



Indian Dairy Association (Gujarat Chapter) and SMC College of Dairy Science organized a one-day seminar on 'Raw Milk Quality - The First Critical Step to Ensure Food Safety' on 17 November 2017, at AAU, Anand. As the hygienic quality of milk is very important in producing milk and milk products that are safe and standard for intended use, the seminar aimed towards enhancing quality of milk at the time of procurement and ensuring procurement of pure and unadulterated milk and thus ensuring best quality of milk moving through the production chain. Total 361 registered delegates including officers from co-operative unions, private dairies, academicians, and students apart from SEC members attended the seminar.

## NATIONAL LEVEL NDP TRAINING ON SEMEN TECHNOLOGY

Dept. of Animal Reproduction Gynaecology & Obstetrics, Veterinary College, AAU, Anand in collaboration with NDDB, Anand organized specialized national level training programme under NDP Phase 1 in three batches during 20-25 November 2017, 04-09 December 2017 and 18-23 December 2017 at the Central Sperm Station for 8, 9 and 10 Lab Technicians, respectively, working at various commercial Bovine Frozen Semen Production Stations of the Country as







per MoU signed between AAU and NDDDB. Theories as well as practical demonstrations on the relevant topics were delivered by the experienced invited as well as host faculties of the department. Hands on training on entire semen processing, evaluation and quality control techniques was also explained to the individual participants who showed good enthusiasm and interest in the training.

### TRAINING WORKSHOP ON VETERINARY EMERGENCY RESPONSE OPERATIONS UNDER VERU AT AAU, ANAND



Dr. N. C. Patel, Hon. VC, AAU inaugurating the training workshop

A training workshop on 'Veterinary Emergency Response Operations' Under Veterinary Emergency Response Unit (VERU), West Zone, India was organized at Veterinary College, AAU, Anand during 9-12 October 2017. The Workshop was inaugurated by Dr. N. C. Patel, Hon. VC, AAU. The Guests of honour were Dr. K. B. Kathiria, DR and Mr. Hansen T. Prem, Project Manager, World Animal Protection, New Delhi, who conducted training sessions. Dr. A. M. Thaker welcomed all the dignitaries and explained about establishment of West Zone, India, VERU centre at Anand. The Organizing secretary and Co-ordinator, VERU



(West Zone), Dr. R. S. Joshi briefed the audience regarding the activities of VERU and handled various sessions of the workshop. Anand Municipality Fire Brigade demonstrated mockdrill during event of fire, chemical spill etc. to the participants and taught about various rescue tips during such events. Total 56 students of final year B. V. Sc. & A. H. participated in the workshop and learned about various modules to be performed during and after disaster.

### STATE LEVEL TRAINING PROGRAMME AT GODHRA

Two days state level training programme on 'Scientific Maize Cultivation Technology for Middle Gujarat' was organised by Main Maize Research Station, AAU, Godhra at Sheth D.M Polytechnic in Horticulture College, AAU, Vadodara during 29-30 November 2017. Dr. M.B. Patel, Asso. Res. Sci. & Unit Head, MMRS, Godhra addressed the trainees regarding training programme and delivered a talk on 'Maize high yielding varieties, hybrids and specialties corn cultivation in Gujarat climatic conditions'. Dr. B. H. Panchal, Principal, Sheth D.M. Polytechnic in Horticulture gave information about precision maize cultivation in Kharif. Prof. K.H. Patel, Asst. Res. Sci., delivered information on value addition in maize. Members of different faculties gave 13 lectures on maize crop cultivation. Prof. D. M. Rathod, Assistant Research Scientist (Extn. Edu), MMRS, Godhra proposed vote of thanks to the invitees and trainees for their interactive participation. Total 30 line department trainees participated.



## TRAINING FOR GVK-EMRI 1962 KARUNA AMBULANCE VETERINARY DOCTORS AT AAU, ANAND



GVK-EMRI '1962' Karuna Animal Ambulance Service, a GoG initiative for treatment of stray animals started working in its first phase in seven major

cities of Gujarat viz., Surat, Ahmedabad, Vadodara, Rajkot, Jamnagar, Palanpur and Mehsana by the same team of GVK-EMRI 108 network. For this, they have recruited veterinary doctors from all over Gujarat. Training for these newly recruited doctors accompanied by Dr. Rohit Kumar, Project Incharge of mobile veterinary service, Telagana was arranged from 14-17 November 2017 by Department of Veterinary Surgery and Radiology, Veterinary College, AAU, Anand in collaboration with Vadodara Polyclinic.

## ORIENTATION TO NEWLY RECRUITED SCIENTISTS



Dr. N. C. Patel, Hon. VC, AAU inaugurating the training workshop

A training programme for Research Activities for newly appointed Assistant Res. Sci. / Associate Res. Sci. and its equivalent staff of AAU was held on 26 December 2017 at AAU, Anand. Lectures on different topics viz., Agricultural Research - An overview, Administrative inputs and procedures for research management, Agricultural Research - Thrust Areas, Research proposal preparation, PG research - Synopsis - Thesis, Library Resources, Funding resources for Agricultural Research, Research experimentations and procedures in SAUs of Gujarat,

AGRESO - Recommendations - New Technical Programmes, Farm records and their maintenance, Research Ethics - IPR - Publications were delivered by the officers / professors of AAU to the trainees. Such a training was held for the first time to acquaint the newly recruited scientists with various aspects of research activities so as to improve their performance.

## MEETING FOR PG RULES AND REGULATIONS AT CAET, AAU, GODHRA



A meeting for discussing various PG rules and regulations with faculty members, associated staff and PG students was held at College of Agricultural Engineering and Technology, AAU, Godhra on 5 December 2017. Prof. Hardik Sharma, Academic In-charge, started the event with introductory remarks. The Director of Research and Dean PG studies, Dr. K. B. Kathiria; Principal & Dean, Dr. R. Subbaiah and ADR, Dr. M. K. Jhala, chaired the session. Dr. R. Subbaiah welcomed the dignitaries and highlighted the importance of the meeting. Dr. M. K. Jhala delivered a presentation on Postgraduate rules and regulations to be followed by students, PG coordinators, HODs of different departments and students. Dr. Jhala stressed particularly on use of PGIS module to know the status of PG students. The Director of Research addressed the students on various PG activities and stressed to implement various measures strictly to elate the standards of PG education. All the PG teachers and PG students of the faculty remained present in the meeting.

## PILOT STUDY ON PEARLMILLET BY RRS, AAU, ANAND AND ICRISAT, HYDERABAD

ICRISAT development Centre, Research Programme Asia, Hyderabad in collaboration with AAU, Anand conducted a pilot study on 'Pearlmillet value chain characterization' during 30 October to 4 November 2017. The study involved field survey in eight pearl millet growing villages of Tarapur,





Borsad, Sojitra and Ankav talukas of Anand district. The survey was followed by an interaction meeting cum training at Regional Research Station, AAU, Anand, wherein Dr. D. Moses Shyam, Visiting Scientist (ICRISAT); Dr. K. B. Kathiria, DR, AAU; Dr. K. D. Mungra, Scientist, Pearl millet Research Station, JAU, Jamnagar; Dr. B. C. Patel, Pearl millet Scientist, AAU, Anand and Scientists engaged with Forage crops, Poultry, Economics & Veterinary Science actively participated with 102 stakeholders.



### QRT MEETING OF AICRP



Dr. A.J. Dhami, Principal Investigator of 'AICRP on Nutritional & Physio-logical Interventions for Enhancing Reproductive Performance in Animals' and Professor & Head, Dept. of Animal Reproduction Gynaecology & Obstetrics and Dr. P.R. Pandya, Principal Investigator of

'Outreach Project on Methane' and Research Scientist & Head, Animal Nutritional Research Department, Veterinary College, AAU, Anand actively participated and presented their research findings on their projects over the last 5 years in QRT meeting chaired by Dr. M.P. Yadav, Ex-Vice Chancellor, SVPUT, Meerut and other 6 Senior dignitaries including Director, CIRB at Central Institute for Research on Buffaloes, CIRB, Hisar, Haryana during 26-27 December, 2017. The research output of AAU Centre for both the projects was well appreciated by the QRT team and other scientists who attended the meet.

### QRT VISIT AT M&APRS

Quinquennial Review Team (QRT) visited ICAR-Directorate of Medicinal and Aromatic Plants Research (DMAPR), Boriavi, Anand on 29 November 2017 for review and



assessment of last five years research activities undertaken at Medicinal and Aromatic Plants Research Station, AAU, Anand. ICAR framed this high power committee under the chairmanship of Dr. H.S. Gupta, former Director General of Borlaug Institute of South Asia (BISA). The QRT members included Dr. E.V.S. Prakash Rao, Ex. Head, CSIR-CIMAP, Lucknow; Dr. Harihar Ram, Ex. Professor (Vegetable Division), G.B. Pant University of Agriculture and Technology; Dr. (Mrs.) Vidhya S. Gupta, Ex. Head (Biological Science), National Chemical Laboratory, Pune; Dr. A. K. Shasany, Sr. Principal Scientist, CSIR-CIMAP, Lucknow; Dr. P. Manivel, Acting Director & Principal Scientist (Plant Breeding), DMAPR, Anand.

Dr. K. B. Kathiria, Director of Research joined the QRT meeting and discussed with the team members regarding the research activities and achievement of the centre. Dr. M. A. Patel, Research Scientist & Head, M&APRS, AAU, Anand presented the progress report of last five years (2011-12 to 2016-17). QRT members also visited AAU, Anand and



interacted with Hon. VC, Dr. N. C. Patel. They visited experimental site, MAP Garden, Nursery and Processing Unit. The visit ended with the presentation of bouquet and memento by Dr. K. B. Kathiria and Dr. H. R. Patel, ADR, AAU, Anand.

### NEW PROJECT SANCTIONED

- AAU is shortlisted by the State level Committee and received Student Startup and Ignition Policy (SSIP) financial support of rupees one crore for five years and one MOU was signed between Gujarat Knowledge Society (GKS), Directorate of Technical Education, GOG, Gandhinagar and the Registrar, AAU at Karmyogi Bhavan, Gandhinagar on 13 October 2017.
- Dr. Yogeshvari K. Jhala, Assistant Professor, (PI) and Dr R. V. Vyas, Prof & Head, (CoPI), received a project entitled 'Native methanotrophic bacterial consortium for mitigation of methane flux from rice ecosystem' funded by Dept. of Biotechnology (DBT) under 'Biotechnology Career Advancement and Re-orientation Programme (Bio-CARe) for Women Scientists' (2017-18).

### DISTINGUISHED VISITORS



- Dr. H. Shivanna, Hon. VC, University of Agricultural Sciences, Bengaluru visited AAU, Anand during 20 - 23 December 2017. He had an interaction meeting with the Hon. VC, Dr. N.C. Patel; Director of Research and Dean, PG, Dr. K.B. Kathiria; the University Officers of AAU; all the Deans, Unit Heads and HoDs, which was followed by discussion on various areas of mutual interest between UAS Bengaluru and AAU, Anand. Dr. H. Shivanna then visited Sardar Patel Agricultural Educational Museum, Biofertilizer unit, Tissue Culture Laboratory, Pesticide Residue Laboratory, College of FPT & BE and Vidya Dairy, AAU, Anand. He also visited AMUL dairy. He was impressed by the educational system and allied activities being carried out at AAU, Anand as well as by the available state of art infrastructural facilities.

- A Group of African delegates visited Sardar Patel Agricultural Educational Museum on 6 October 2017.



- Mr. R. H. Ghoghala, Mr. Camaro, Mr. Abubauron and nine other African delegates from Guinea visited Dept. of Microbiology and Laboratory of Excellence,

AAU, Anand on 6 October 2017.

- Dr. Indu Sawant, Principal Scientist, ICAR NRC Grapes, Pune visited Department of Microbiology and Biofertilizer Production plant as well as Laboratory of Excellence,



AAU, Anand on 6 October 2017.



- Dr. Christoph Amberger and delegates from Germany visited Dept. of Microbiology, AAU, Anand on 7 October 2017.

- Shri. Vikas Chandra Rastogi, Project Director Agriculture in Maharashtra and Observer Election Commission visited





Dept. of Microbi-ology and laboratory of excellence on 8 December 2017 and adored Methaylotrophic bacterial research reducing methane pollution from environment.

- Members of GERMA AGRICULTURAL ALUMNIS, Munich University of Technology visited Sardar Patel Agricultural Educational Museum on 30 October, 2017.



### TRAINING PROGRAMMES ORGANIZED BY EEI-ANAND



The EEI, Anand conducted eight on campus and six off campus training programmes during October to December 2017 in which 187 and 201 participants attended, respectively. Dr.K. P. Vishwanatha Hon. Vice- Chancellor of MPKV, Rahuri attended the training sessions for three hours as a participant in the training programme on "Soft skills for personality development" conducted by EEI, Anand from 28-12-30 December 2017 at College of Agriculture, Pune. He was feel very happy and appreciated the training programme.

### CELEBRATION OF WORLD SOIL DAY

'World Soil day' was celebrated by Indian Society of Soil Science, Anand chapter and B. A. College of Agriculture, AAU, Anand on 2 December 2017. On this occasion, Anand



chapter, ISSS organized 'Poster preparation and presentation competition' in collaboration with BACA at AAU, Anand. Total ten students of Sheth M. C. Polytechnic in Agriculture participated in poster presentation on the theme of 'Healthy soil for Healthy Life'. Total 96 participants were Participated from various colleges. Among all participants Shah Preet Hasitkumar a student of second year B.V.Sc. & A.H. secured best poster cum presentation award. The students of Sheth M. C. Polytechnic in Agriculture secured first and second rank in Polytechnic level competition.



### TRAINING PROGRAMME ON CLIMATE CHANGE ARS, AAU, SANSOLI

One day capacity building training programme on 'Climate Change and its impact on Horticulture and Building Climate Smart Farmer' was organized at Farm Technology Training Centre, Nenpur in collaboration with National Council for Climate Change Sustainable Development and Public Leadership (NCCSD), Ahmedabad and Horticulture dept. (Nadiad-Kheda) on 9 October 2017. Dr. J. M. Tuwar (Deputy Director of Horticulture, Nadiad), Dr. I. R. Rathod (Retd. Sci., AAU, Anand), Dr. J. K. Patel (Asso. Res. Sci., ARS, Sansoli), Prof. M. B. Zala (Asst. Res. Sci., ARS, Sansoli), Miss. Nisha



Shah (Organizer, NCCSD, Ahmedabad) and other officials of Horticulture Dept., Nadiad remained present. During the programme, lectures on Climate change and its Impact on Horticulture, Agriculture, Pest and Diseases, Doubling of farmers' income in context to climate change, Cropping Practices of Important Horticultural crops of middle Gujarat were delivered by various scientists and officials of Horticulture Dept. At the end of programme, discussion session regarding various agri-horticultural problems was organized. Total 45 farmers of different villages of Kheda district enthusiastically participated in the said programme.

### FIELD DAY ON FRESHWATER AQUACULTURE AT KVK, AAU ANAND



Krishi Vigyan Kendra, AAU, Devataj and ICAR-Regional Research Centre of Central Institute of Freshwater Aquaculture (CIFA), Anand jointly organized field day on 27 December 2017. The demonstration of *L. vannamei* in freshwater aquaculture was undertaken in pond of Krishi Vigyan Kendra, Devataj. Total 70 participants including progressive fish farmers, entrepreneurs, scientists, KVK staff and extension officials were present during the occasion.

### KHEDUT SHIBIR BY NIRP, AAU, KHANDHA



A Khedut shibir was jointly organized on 27 December 2017 by Narmada Irrigation Research Project, AAU, Khandha and Pulse Research Station, AAU, Vadodara under the

Chairmanship of Dr. K. B. Kathiria, DR, AAU at Village Bodka. In this Shibir Dr. K.B. Kathiria, DR, AAU; Prof. R.B. Marviya, Executive Director (Agri.), SSNNL, Gandhinagar; Dr. H.R. Patel, ADR, AAU; Dr. H.P. Patel, Res. Sci. and Dr. K.V. Patel, Asst. Res. Sci. from Pulse Research Station, AAU, Vadodara and Shri J.H. Chaudhari, Unit Officer, NIRP, AAU, Khandha remained present and guided the farmers about improved practices in pulse crop and solved the farmers' queries.

### FARMERS' TRAINING PROGRAMME ON QUALITY SEED PRODUCTION

Four farmers' training programmes were organized by Dept. of Seed Science & Technology on 'Quality seed production in different field and horticultural crops of Gujarat' during October - December 2017. The AAU scientists from different departments delivered lectures on relevant topics related to seed production practices in different field and horticultural crops. The farmers were taken to field visits of RRS, Main Vegetable Research Station, Centre of Excellence for Plant Tissue Culture and KVK, Mangalbharti. Seed of Mung var. GAM- 5 was given to farmers at the end of training programme for seed production purpose. The entire training programme was coordinated by Dr. Kalyanrao Patil and Mr. Anil Ravat, Asst. Prof., Dept. of Seed Science and Technology, BACA, AAU, Anand. Total 126 farmers from Chhota Udepur, Kheda, Vyara and Mahisagar districts were present during the training programmes.



### ADAPTIVE TRIALS ON WHEAT BY ARS, AAU, SANSOLI NENPUR

To serve the purpose of arranging adaptive trials on the field of farmers under the plan scheme 'Strengthening Adaptive Research in Agro Climatic Zone of the State at Anand', wheat seeds (GW-451) and herbicides for management of monocot and dicot weeds were distributed on 18 November 2017 by ARS, Sansoli-Nenpur to the progressive farmers of Modaj village of Mahemdavad taluka. Scientific information regarding package of practices for wheat





cultivation were given by scientists of this centre and also solved their queries.

### SEED DISTRIBUTION UNDER SARDAR SAROVAR PROJECT



Seed distribution of wheat (Var. GW-496) to the beneficiary farmers on 25-26 October 2017 by the SARDAR

SAROVAR PROJECT at Paddy Research Station, Model Farm, Dabhoi. The distribution programme was arranged at different villages of Dabhoi Taluka viz., Manjrol, Vasai, Nada, Mavli and Mandala by Shri R. L. Chotaliya, Asstt. Res. Sci., and Shri A. R. Patel, SRF. Total 35 beneficiary farmers got the benefits of wheat seed for the season *Rabi*-2017.

### ONE DAY TRAININGS BY NIRP, AAU, KHANDHA



Total six one day training programmes were conducted at Narmada Irrigation Research Project, AAU, Khandha during October-December 2017 and total 137 farmers got acquainted with the improved technologies in agriculture.

### TRAINING ON GOAT AGRIPRENEURSHIP AT PSK, RAMNA MUVADA

One day training programme was organized on Goat Agripreneurship at Pashupalan Sanshodhan Kendra, Ramna Muvada in collaboration with N M Sadguru Water and Development Foundation, Dahod on 24 November, 2017. Dr. V. P. Belsare, Research scientist & Head welcomed the participants and gave a systematic understanding of raising goats as an agripreneurship during his lectures and discussed the benefits of the goats and provided guidance about the future scope of the goat agripreneurship. Dr. C. P. Parmar, ARS explained the health management of goat in detail for optimizing profit from goat rearing. He also explained the reproductive management of goats during the farm visit. Shri S. N. Vasava, Agril. Asst. gave detailed information on Fodder Management for availability of green fodder round the year. Shri Karan Bhabhor, the Programme Executive Officer, expressed gratitude to their employees by explaining the importance of the information given during the training. At last, project officer Naresh Parmar expressed

gratitude on behalf of his team for giving fruitful information. Thirty seven employees of the Foundation were given training.

### AWARNESS PROGRAMME ON WAREHOUSING DEVELOPMENT & REGULATORY AUTHORITY ACT AT KVK, AAU, ANAND



KVK, Devataj organized one day training and awareness programme on Warehousing Development and Regulation Act and scientific storage system for progressive farmers in collaboration with Udaybhansing Regional institute of cooperative Management, Gandhinagar on 29 December 2017. Total 57 farmers of different villages actively participated. Farmers also visited Govenment Warehouse at Sojitra.

### CELEBRATION OF WORLD FOOD DAY AT KVK, AAU, ANAND



Krushi Vigyan Kendra, AAU, Anand celebrated World Food Day on 20 October 2017 at Devataj. Smt. Amita B. Parmar, Scientist (Horticulture) discussed the role of food in day-to-day life. She also discussed value added products for better nutrition and the importance of consumption of fruits,

vegetables & use of drumstick leaves and pods in meals of children. Mrs. A.N. Jadav, Programme Asst. (Home Sci.) discussed how to increase the nutritive value of locally available products for children. This program was attended by 38 farm women and children.

#### CELEBRATION OF JAI KISAN JAI VIGYAN WEEK BY KVK, AAU, DAHOD



Celebration of 'Jai Kisan Jai Vigyan' week was organized by Krishi Vigyan Kendra, AAU, Dahod during 22-30 December 2017. During the week, total two on-campus and 3 off-campus training

programmes were organized. In the said programmes, Dr. U. M. Patel, Sr. Scientist & Head enlightened the farmers with his lecture on 'Use of technologies for doubling the income of farmers'. Subsequently Dr. S. K. Patel, Sci. (Agri. Engg.), Dr. R. Radha Rani, Sci. (Ani. Sci.), Prof. H. L. Kacha, Sci. (Horti.) and Prof. N. D. Makwana, Sci. (Agro.) delivered lectures correspondingly on 'Farm mechanization', 'Scientific Management of Dairy animals', 'Scientific cultivation of Rabi vegetables crops', and 'Scientific cultivation of Rabi crops'. Prof. G. K. Bhabhor, Sci. (Ext. Edu.) explained about 'Proper utilization of farm waste' with Swachh Bharat Mission. Total 59 farmers and 98 farm women participated enthusiastically in these programmes.

#### KVK ANAND CELEBRATED NATIONAL MILK DAY



Krushi Vigyan Kendra, AAU, Anand celebrated 'National Milk Day' on 26 November 2017 at KVK campus, Devataj. This day is recognized in the memory of Dr. Verghese Kurien for his

contribution for development of dairy sector. He is also known as the 'Father of the White Revolution' and 'Milk man of India' for his role in Operation Flood. Dr. G.G. Patel, Sr. Scientist & Head welcomed all the farmwomen and farmers and informed about the theme of programme. Dr. Shrikant B. Katole, Scientist (Animal Science) informed the farm women and farmers about the history behind celebration of National milk day and initial development of co-operative movement in dairy sector of India.

#### CELEBRATION OF SARDAR PATEL JAYANTI RUN FOR UNITY AT AAU



Dr. N. C. Patel, VC, AAU gave a floral tribute to Sardar Patel, Iron Man of India

31<sup>st</sup> October 2017, the birth anniversary of Sardar Vallabhbhai Patel was celebrated across the country as a 'National Unity Day'. On this day, 'Run for Unity' was organized from University Bhavan to College of Veterinary Science at 8.00 AM. All the University Officers, Unit / Sub-Unit heads of Anand Campus, College/Polytechnic teachers, employees and students participated in the program. On this occasion, Dr. N.C. Patel, Hon. VC and University Officers gave a floral tribute to Sardar Patel at the University Bhavan. Hon. Vice Chancellor gave inspiring speech about the life of Sardar Vallabhbhai Patel and his services to the Nation and Gujarat State. Hon. Vice Chancellor flagged off the rally of 'Run for Unity'.



#### CELEBRATION OF ANTI ADDICTION WEEK

2<sup>nd</sup> October 2017 was celebrated as the birth anniversary of 'Father of Nation' Gandhiji. Inaugural Programme at Anand district i.e. 'Anti Addiction Week' was organized by AAU in association with Anti Addiction and Excise Superintendent Office, Anand. Dr. N.C. Patel, Hon. VC, AAU; Mr. Saurabh Singh, District Superintendent of Police, Anand; Pujya Sandhya Didi, Prajapita Brahmakumaris Ishvariya Vishva





Inauguration function of Anti Addiction Week at BACA Auditorium, AAU, Anand

Vidhyalay, Anand; Dr. S.H. Akbari, DSW, AAU; Sh. S.P. Sisodiya, Superintendent, Anti Addiction and Excise Superintendent Office, Anand remained present. Elocution Competition on the topic of Anti Addiction was organized amongst the students after Inaugural Programme.

### CELEBRATION OF AGRICULTURAL EDUCATION DAY

Anand Agricultural University celebrated 'Agricultural Education Day' on 3 December 2017. An Elocution competition was organized amongst the students on the topic 'Agriculture Education: Status and Prospects' for UG & PG students of AAU. Staff, officers and students remained present on this occasion.



### PERSONALITY DEVELOPMENT PROGRAMME



Inauguration of Personality Development Programme by Dr. N.C. Patel, Hon. VC, AAU

Two days Personality Development Programme of 'Ignite Young Minds' was organized by the Directorate of Students' Welfare at College of Agriculture, Vaso during 4-5 November

2017 and College of Veterinary Science & A.H. during November 6-7, 2017. The programme was inaugurated by Dr. N. C. Patel, Hon. VC and Dr. S. H. Akbari, DSW remained present.

### LEADERSHIP AND ENTREPRENEURSHIP DEVELOPMENT TRAINING AT CAET, AAU, GODHRA



Leadership & Entrepreneurship Development Training Programme was organized by National Council for Climate Change Sustainable Development (NCCSD), Ahmedabad during 9-10 November 2017 at College of Agricultural Engineering and Technology, Godhra. The training was organized for the third year students of CAET, AAU, Godhra.

### LIFE CHANGING AND CAREER COUNSELING SEMINAR AT AGRICULTURE POLYTECHNIC, AAU, ANAND



A special talk on 'Career Counselling' was organized at Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 10 November 2017 for the benefit of the students' future planning. Invited guest speaker, Mr. Chirag Patel, Course Director 'Dhyey Academy', V.V.Nagar provided valuable guidance and explained the importance of competitive examination after 10<sup>th</sup> and 12<sup>th</sup> Std. for state as well as central government based job opportunities. He explained regarding the smart skills for competitive examinations on multiple choice based questions of Mathematics, English, local language, current affairs and general knowledge. The students actively participated in the said programme and also interacted with the speaker.

## AN INTERACTIVE LECTURE ON STUDENT START-UP AND INNOVATION POLICY AT COLLEGE OF AGRICULTURE, AAU, VASO



An Interactive lecture on 'Student Start-up and Innovation Policy (SSIP)' was organised at College of Agriculture, AAU, Vaso on 9 November 2017. Dr. S.H. Akbari, DSW and Dr. Y.M. Shukla, Principal, Vaso college remained present in this programme. Dr. R.V. Vyas, Professor & Head, Dept. of Microbiology, BACA and Co-ordinator of Start-up India Initiative, AAU and Shri J.C. Shukla, an alumnus of IIM, Ahmedabad were invited as the guest lecturers. In their talk to the students, they focused on the need of the education that can create job-providers and not the job-seekers. They also briefed about how the government and other agencies can encourage any innovative idea through the Start-up India programme. They informed the students about various approaches through which they can turn out as the entrepreneurs. The programme proved highly informative and encouraging.

## MOTIVATIONAL/GUEST LECTURE AT AAU, ANAND



- A motivational lecture was organized on 'Define and Conquer Your Destiny' by Shri Kishor Butani, CEO and Director,

Robatech India, Switzerland on 27 December 2017. About 220 students of all the faculties and polytechnic got inspired by the lecture and interacted with Sh. Butani.

- Vidya Dairy and Alumni Association, SMC College of Dairy Science organized a guest lecture and interaction session with Dr. Madansinh Vaghela on 27 November 2017. Dr M. N. Vaghela is one of the distinguished



alumnus of SMC College of Dairy Science who had earned his BSc (DT) degree in 1981 and MSc (DT) in 1984. He had served as Asst. Prof. at the college for few years and then went to USA for PhD degree. He is Global R & D Program Manager of Nestle, USA at present. He talked with the students about the values of the Nestle and shared his experience of working with different people in more than 160 countries. He narrated his journey from SMC to the top company and holding very important portfolio. His talk was highly motivating for the students.

## SNEHMILAN SAMAROH



Dr. N. C. Patel, Hon. VC, AAU addressing the gathering on the occasion of Sneh Milan Samaroh at BACA Auditorium, AAU, Anand

Sneh Milan of Vikram Savant 2074, a New Year of Hindu religion was celebrated on 23 October 2017 at Auditorium, B.A. College of Agriculture. Dr. N.C. Patel, Hon. VC, AAU, all the University officers, Deans of the different faculties, staffs and students remained present and greeted each other with 'New Year' wishes.

## INTER-COLLEGIATE VOLLEYBALL TOURNAMENT AT COLLEGE OF AGRICULTURE, VASO





Inter-collegiate volleyball tournament-2017 of AAU for boys and girls was organized on 3 November 2017 at College of Agriculture, Vaso. Total 14 teams (9 Men's + 5 Women's teams) participated. The men's final was played between B. A. College of Agriculture and College of Agriculture, Vaso. The final of women's was between B. A. College of Agriculture and College of Horticulture. The Mens' Volleyball Champion was B. A. College of Agriculture and Runners-up was College of Agriculture, Vaso. Women's Volleyball Champion was College of Horticulture, Anand and Runners-up was B. A. College of Agriculture.



### GUJARAT STATE INTER AGRICULTURAL UNIVERSITIES SPORTS TOURNAMENTS AND CULTURAL & LITERARY COMPETITIONS



Gujarat State Inter Agricultural Universities Cultural & Literary Competition was organized on 5 October 2017 at Navsari Agricultural

University, Navsari. AAU team became Champion in Drama and Debate (Favour) and Runners-up in Mono Acting and Mime.

Gujarat State Inter Agricultural Universities Women's Volleyball, Badminton, Table Tennis Tournament was organized on 8-9 November 2017 at NAU, Navsari. AAU team became Champion in Badminton and Volleyball and Runners-up in Table Tennis.

Gujarat State Inter Agricultural Universities Volleyball, Basketball, Badminton Tournament was organized on 18-19 November 2017 at Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar. AAU team

became Champion in Volleyball and Runners-up in Basketball.

Gujarat State Inter Agricultural University Kabaddi, Kho-Kho, Table Tennis Tournament was



organized on 24-25 November 2017 at Gymkhana Ground, AAU, Anand. Dr. N.C. Patel, Hon. VC, University Officers, Staff, Team Managers and Students remained present in inaugural function. AAU team performed well.

### GUJARAT STATE INTER UNIVERSITY STAFF CRICKET TOURNAMENT AT NAU

AAU staff team took part in the Gujarat State Inter University Staff Cricket Tournament organized by Navsari Agricultural University, Navsari during 23-25 December 2017. Total 15 Universities of Gujarat took part in the Tournament. AAU won two matches and reached in the Quarter final.



### THALASSEMIA TEST ORGANIZED BY NSS AT AAU

- The Thalassemia Screening Test and Counselling was undertaken at College of Agriculture & Polytechnic in Agriculture, AAU, Vaso under NSS with the help of Indian Red Cross Society, Gujarat State Branch on 7 November 2017. The programme started with the counselling of students with a lecture delivered by Dr. Upendra Bhoi with the movie clip. Thereafter, for testing Thalassemia Trait, blood samples were drawn from first year students of



College of Agriculture (49) and Polytechnic in Agriculture (30) under the guidance of experts Dr. Upendra Bhoi and Dr. Archan Yadav of Indian Red Cross Society, Gujarat State Branch. At the end, the students of Vaso Campus



made a commitment for community awareness regarding the importance of Thalassemia Test.

- Programme on Thalassemia test of students was jointly organized by National Service Scheme of B. A. College of



Agriculture; Sheth M. C. Polytechnic in Agriculture and College of Horticulture, AAU, Anand on 18 November 2017 at Examination hall of BACA,

AAU, Anand. The programme was inaugurated by Dr. K. P. Patel, Principal & Dean, BACA. Dr. K. P. Patel provided useful information on various effects of Thalassemia.



### SWACHHATA ABHIYAN BY NCC GIRLS CADETS



Awareness programme on Swachha Bharat with the theme of 'Swachhta Abhiyan' was celebrated by Girl Cadets of 4 GUJ Girls BN of B. A. College of Agriculture, AAU, Anand on 3 Deemder 2017. Total 30 cadets of BACA, College of FPT & BE, College of AIT and College of Horticulture of AAU participated in the awareness programme. Event began by cleaning the university campus followed by a rally with different slogans on awareness of 'Shauchalay', 'cleanliness' and ended with cleaning and paying homage to statues of

Ironman Shree Sardar Vallabhbhai Patel, Shree Kanaiyalal Munshi and Dr. M. D. Patel. Cadets also took the oath for the cleanliness. On this occasion, Dr. S. H. Akbari, DSW, AAU, Anand remained present and encouraged cadets with motivational speech.



### AWARDS



- Medicinal & Aromatic Plants Research Station, AAU, Anand was conferred the Best Centre Award for the year 2016-17 for magnificent research

achievement under the All India Coordinated Research Project-Medicinal and Aromatic Plants & Betelvine during 25<sup>th</sup> Annual Review Workshop held at MPUAT, Udaipur during 11-14 November 2017. Prof. B. V. Hirpara, Asst. Res. Sci. presented the annual progress report of the centre and received the Award.

- Dr. Gayatree Rajendrasinh Jadeja, Scientist (Home Science), Krishi Vigyan Kendra, AAU, Ahmedabad received the Young Scientist Award given by the Society for Scientific Development In Agriculture and Technology (SSDAT) for her outstanding contribution in the field of Foods and Nutrition on the occasion of International conference on Global Research Initiatives for Sustainable





Agriculture and Allied Sciences (GRISAAS-2017) during 02-04 December, 2017 held at Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan).



- Dr. Hardik B. Begadiya, M. V. Sc. scholar under guidance of Dr. J. B. Nayak, Asso. Prof. & Head, Dept. of Veterinary Public Health and

Epidemiology, Veterinary college of AAU, Anand was awarded first prize for poster presentation on 'DETECTION OF AFLATOXIN M1 (AFM1) IN MILK OF ANAND DISTRICT, GUJARAT' in XV Annual conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) & National Symposium on Intersectoral Approaches to Combact Zoonoses: strategies and challenges organized by Department of Veterinary Public Health and Epidemiology, College of Veterinary Science, Shri Venkateswara Veterinary University, Tirupati on 11-13 October 2017.

### APPRICIATION

- Indian Society of Veterinary Pharmacology and Toxicology (ISVPT) was established in the year 2000 having its head quarter at Dept. Veterinary Pharmacology & Toxicology, Veterinary College, AAU, Anand. The society has organized 17 Annual conferences, several workshops & Symposia till date. It also publishes biannual "Journal of Veterinary Pharmacology & Toxicology" (JVPT). The society is having more than 630 life members. Dr. A. M. Thaker served the ISVPT either in the capacity of Finance Secretary or Executive Secretary - Head Quarter since its inception. It is pride for the



university and faculty of Veterinary Science that Dr. A. M. Thaker, Principal & Dean, Veterinary College, AAU, Anand has been given responsibility of "PRESIDENT – ISVPT" for term of 2018-2020. Dr. S.K.Bhavsar has been nominated as Secretary-Finance and Executive Secretary-HQ of the society.



- An International Book entitled, 'Micro organisms for Green Revolution' Vol. 1 Microbes for sustainable crop production" published by Springer- Singapore, wherein team of agricultural microbiologists Deepak G. Panpatte, Yogeshvari K. Jhala, Rajababu V. Vyas and Harsha N. Shelat compiled and edited the volume and

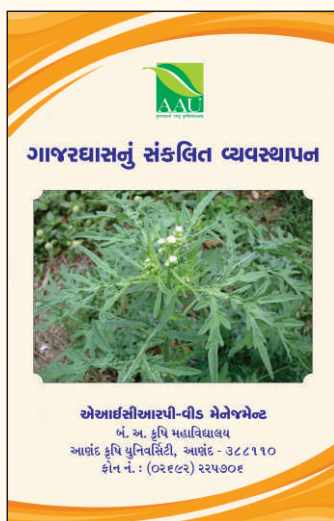
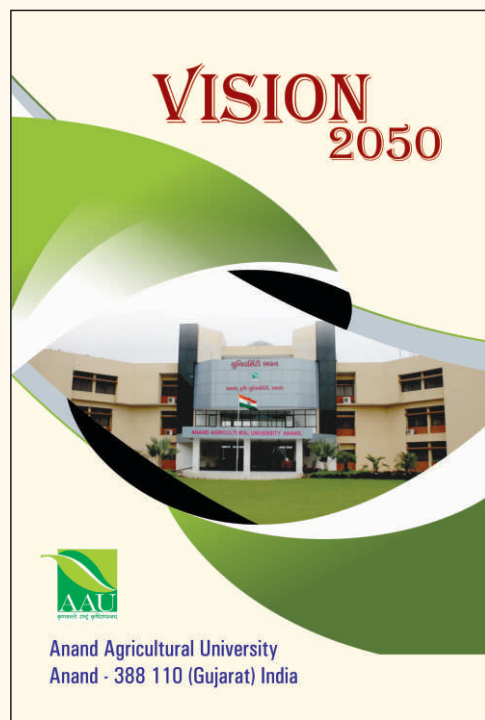
also contributed in three chapters. The forward of the book has been written by Dr. N. C Patel, Hon. VC, AAU.

### PINK ELECTORAL BOOTH



Mrs. Harsha N. Shelat, and Mrs. Hetal D. Vyas from Agri. Microbiology worked as Sector officer and Asstt. Sector officer along with their women team such as presiding officers, polling officers and police in vidhansabha electoral process on 14 December 2017. Gujarat is the first state to have all-women polling booths 'Pink Booths' in each of the assembly constituencies. The work was appreciated by Mr. Vikas Chandra Rastogi (IAS), observer of Anand and Umreth Constituency.

## AAU PUBLICATION



## PUBLICATION OF FARM MAGAZINE



The Publication Unit, DoEE, AAU, Anand publishes the monthly farm magazine 'Krushigoviddya' regularly for the benefit of the farming community since May 1948. There are 7013 subscribers registered for this multicolored farm magazine upto December 2017.

## RETIREMENTS

### October 2017

- 1 Dr. V. R. Boghra, Professor (P), Dairy Science College, Anand
- 2 Smt. Pratima Harish Salunke, Sr. Clerk, Pulse Res. Station, Vadodara
- 3 Shri Natubhai S. Vala, Agril. Assistant, KVK, Arnej
- 4 Shri Dinubhai Galabhai Rohit, Black Smith, Office of Executive Engineer, Anand
- 5 Shri Ramanbhai Dahyabhai Vaghela, Peon, B.A. College of Agriculture, Anand
- 6 Shri Dinubhai Mohanbhai Gohel, Tractor Driver, Veterinary College, AAU, Anand.

### November 2017

- 7 Shri Atulkumar V. Dave, Office Superintendent, ICAR Unit, Anand
- 8 Shri Rajendrasinh S. Vihol, Sr. Clerk, KVK, Arnej
- 9 Shri Arvindbhai K. Dabhi, Jr. Clerk, Office of the Registrar, Anand
- 10 Shri Dipsang R. Dodiya, Agril. Assistant, Main Rice Research Station, Nawagam
- 11 Shri Sanabhai J Solanki, Khet Majdur, BTRS, Anand

### December 2017

- 12 Shri Pravinbhai A. Khristi, Sr. Clerk, Office of the Comptroller, Anand
- 13 Smt. Kokilaben M. Patel, Sr. Clerk, B.A. College of Agriculture, Anand

*Success is the result of perfection, hard work, learning from failure, loyalty and persistence*

Book-Post

To

From :  
The Editor  
AAU Newsletter  
Directorate of Extension Education  
University Bhavan, Anand Agricultural University  
Anand-388 110