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Message

Climate of earth's is changing over the period of time due to natural or human causes. Global climate influences all aspects of our daily lives and climate change has already begun showing observable effects on the environment. It is observed that global temperature is rising, rainfall pattern is changing, extreme weather events are frequently occurring, glaciers have shrunk, ice on rivers and lakes is breaking up earlier, plant and animal ranges have shifted and trees are flowering sooner. The Inter Governmental Panel on Climate Change (IPCC) predicts that during the next decades, billions of people, particularly those in developing countries, will face changes in rainfall patterns that will contribute to severe water shortages or flooding, and rising temperatures will cause shifts in crop growing seasons. This will increase food shortages and distribution of disease vectors, putting populations at greater health and life risks. The predicted temperature rise of 1 to 2.5°C by 2030 will have serious effects, including reduced crop yield in tropical areas. The impact of a single climate-water or weather-related disaster can wipe out years of gains in economic development.

The sectors like agriculture, animal husbandry and fisheries are highly dependent on the climate. Climate change could make it more difficult to grow crops, raise animals, and catch fish in the same ways and same places as we have done in the past. Increase in temperature and carbon dioxide (CO₂) can increase some crop yields in some places. But to realize these benefits, nutrient levels, soil moisture, water availability and other conditions must also be met.

The extent of climate change effects on individual regions will vary over time and with the ability of different societal and environmental systems to mitigate or adapt to change. Anticipatory adaptation and technology innovation should attempt to improve resilience to future and uncertain impacts of climate change. The safest approach is to promote diverse and flexible livelihood at local, national, regional and global levels where climate change should become central to planning processes and for development assistance.



(N. C. Patel)
Vice Chancellor

NATIONAL DAIRY AND FOOD QUIZ CONTEST AT SMC COLLEGE OF DAIRY SCIENCE, ANAND



Inaugural Function of National Dairy & Food Quiz Contest at
Dairy Science College, Anand

The 9th National Dairy and Food Quiz Contest was organized by SMC College of Dairy Science and its Alumni Association, AAU, Anand on 17 September 2016. Dr. J. B. Prajapati, Principal, SMC College of Dairy Science, Anand welcomed the dignitaries. Mr. K.M. Jhala, Chief Operating Officer, GCMF, Anand who was the Chief Guest of the function, remarked that such event provides platform for knowledge sharing and team building. Dr. N.C. Patel, Hon. VC, AAU, Anand, in his presidential address, opined that such event helps the students (UG and PG) and industry personnels to update their knowledge and keep abreast with the latest happening on the globe.

Seventeen teams from various Academic Institutes (from states like Gujarat, Maharashtra, Haryana, West Bengal, Andhra Pradesh, Telangana) and various dairy plants from Gujarat took part in the Quiz contest.

After the final round of Quiz the first, second and third prize winners were Vidya Dairy, Anand; NDRI, Karnal and Maahi Milk Producer Co. Ltd., Rajkot, respectively. The Appreciation prize was given to SMC College of Dairy Science, Anand.



NATIONAL DAIRY PRODUCTS JUDGING CONTEST AT SMC COLLEGE OF DAIRY SCIENCE, ANAND



Inaugural Function of National Dairy Products Judging Contest at
Dairy Science College, Anand

SMC College of Dairy science and its Alumni Association, AAU, Anand jointly hosted the 13th National Dairy Products Judging Contest on 16 September 2016.

Dr. J.B. Prajapati, Principal, SMC College of Dairy Science, Anand welcomed the dignitaries and briefed on the various activities of the college and the Alumni Association of the college. Dr. H.K. Desai, General Manager, AMUL, Anand, the Chief Guest of the function endorsed that the taste is what ultimately defines the success of any food product and is an important tool for research and product development. Dr. K.B. Kathiria, DR, AAU, Anand in his presidential address congratulated the winners and lauded the organizers. He stressed that holding such events provide a platform for gaining new skills and for exchange of knowledge.

Twenty two teams from all over the country (Gujarat, Maharashtra, Haryana, Andhra Pradesh, Telangana, West Bengal) participated in the event. Three different dairy products namely Milk, Milk powder and Ghee were presented to each team for judging. Amongst dairy industries, the first, second and third prizes were awarded to team from AMUL dairy Anand; Sumul dairy, Surat and National Dairy Development Board (NDDB), Anand, respectively. From amongst Academic Institutes, the recipients of first, second and third prizes were given to teams from National Dairy Research Institute (NDRI), Karnal; Mansinhbhai Institute of Dairy and Food Technology (MIDFT), Mehsana and College of Dairy Science, Amreli, respectively. Mr. Jashwant Upadhyay from Sumul dairy, Surat and Ms. Pallavi from NDRI, Karnal were awarded first prize each from Dairy industry and Academic Institute, respectively as Individual winners.

PEER REVIEW TEAM VISITED AAU AND CONSTITUENT COLLEGES



Visit of the Peer Review Team of ICAR at AAU

The Peer Review Team (PRT) of ICAR for accreditation visited the Anand Agricultural University Campus and Constituent Colleges viz., B. A. College of Agriculture, SMC College of Dairy Science, College of Veterinary Science & A.H., College of Food Processing Technology & Bio-energy, College of Agricultural Information Technology, International Agri. Business Management Institute and College of Agricultural Engineering & Technology, Godhra during September 13 to 16, 2016. Dr. N.C. Patel, Hon. Vice Chancellor of AAU presented 'Overview of the University'. The team interacted with the Hon. Vice Chancellor and University Officers on 13 September 2016 forenoon. The Chairman of team Dr. K. L. Chadha, Former DDG (Horti.), ICAR along with six members including Dr. S. Edison, Former Director, CTCRI, Thrivananthapuram, Kerala; Dr. A.B. Patil, Registrar, University of Horti. Sci., Bagalkot; Dr. S.R. Malhotra, Dean, College of Home Science, CSKHPKV, Palampur (HP); Dr. M. S. Shaktawat, Former Director (Ext.), MPUAT, Udaipur; Dr. P. K. Kapoor, Director (Animal House), Hisar and Dr. K. P. Tripathi, Principal Scientist, Edu. Division, ICAR, New Delhi, visited laboratories of the Colleges, IT



center and other offices at University Bhavan, Sardar Patel Agricultural Education Museum, Liquid Bio-fertilizer Plant (Agri. Microbiology), M. D.



Patel Library, e-Cybrary, Health Center, Boys and Girls Hostels, Sports Complex, Maize Research Station, Godhra during four days and reviewed the facilities and quality of education. The team interacted with students and faculty of all the Colleges. They also assessed outcome of the



university activities as a whole. The Team identified the strengths and challenges, suggestions and prepared a report for submission to ICAR.

Dr. A B Patil, Hon. PRT member and Registrar, UAS, Bagalkot visited Dept. of Microbiology on 14 September 2016 and appreciated lab to land and commercialization of liquid biofertilizer technology through AAU BPDU for farmers benefit.



A Cultural Programme was organized on 14 September 2016 during Peer Review Team (ICAR) visit at AAU. Padma Shri Dr. K.L. Chadha, Chairman, PRT (ICAR), all the members of PRT as well as Hon. VC, Dr. N. C. Patel remained present. Folk Dance, Mime, Classical Dance were performed by the students. Dr. K. L. Chadha extended best wishes to the students.



CELEBRATION OF 70TH INDEPENDENCE DAY



Dr. N. C. Patel, Hon. VC, AAU saluting the Flag on 70th Independence Day

Anand Agricultural University celebrated 70th Independence Day on 15 August 2016 at University Bhavan. All university officers, staffs, students of different faculties, NCC cadets, NSS volunteers and family members of staff remained present to grace this yearly celebration. Dr. N. C. Patel, Hon. VC hoisted the flag which was saluted by all. National Anthem 'Jan Gan Man' and National Flag Anthem 'Zanda Uncha Rahe Hamara' were sung by all. Dr. N.C.Patel, Hon. VC gave speech about Nation & University development.

AAU AGREEMENT WITH INSTITUTE OF PLASMA RESEARCH



Scientific Agreement between FPTBE & IPR

Scientific Collaboration Agreement was signed between College of Food Processing Technology, AAU, Anand and Institute for Plasma Research (IPR), Dept. of Atomic Energy (DAE), Government of India, Gandhinagar for plasma based technology on Development for Surface Decontamination of Fruits and Vegetables on 26 July 2016. The agreement was signed by Dr. D. C. Joshi, Dean of College of FPTBE and Prof. Amita Das, Dean of IPR in the presence of Prof. D. Bora, Director IPR; Dr R.V. Prasad, Prof. & Head, Dept. of Food Quality Assurance and Dr. R.F. Sutar, Professor & Head, Dept. of Post Harvest Engg and Technology from College of FPTBE. Dr. Subroto Mukherjee, Head and Dr. Sudhir K. Nema, Scientist SG, FCIPT Division also witnessed the occasion. Dr. N.C. Patel, Hon. VC, AAU is expecting fruitful research very soon through the collaborative work.

REFRESHER TRAININGS TO STATE VETS/PARAVETS UNDER ASCAD

Refresher Training programmes for the Veterinarians (six batches) and Paravets/ Livestock Inspectors (four batches) of the State Animal Husbandry Dept., GoG, Gandhinagar were organized under the aegis of Assistance to State for Control of Animal Diseases (ASCAD) at College of Veterinary Science & AH, AAU, Anand during July to September 2016. Total 40 Veterinary Officers and 31 Livestock Inspectors attended the training.



TENTH EXTENSION EDUCATION COUNCIL MEETING



Dr. N.C. Patel, Hon. VC, AAU addressing the Extension Education Council

Tenth Extension Education Council was held on 20 August 2016 under the chairmanship of Hon. VC, Dr. N. C. Patel. At the outset Dr. Arun Patel, Director of Extension Education narrated various extension education activities carried out by various extension education centers of AAU, Anand. Various agenda items were discussed at length and actions to be taken for implementation of various extension education activities were decided.

TRAINING WORKSHOPS BY EEI, ANAND

Total 8 On Campus and 7 peripatetic training workshops were organized during July to September 2016 by Extension



Education Institute, Anand in which 152 and 201 trainees participated, respectively. Moreover, one collaborative programme was also conducted with 28 participants.

SAC MEETINGS AT KVKs OF AAU



- Twenty ninth Scientific Advisory Committee meeting of KVK, Dahod was held on 19 September 2016. Dr. Arun Patel, DEE, AAU, Anand presided over

the meeting. Dr. K.B. Kathiria, DR, Dr. S.M. Khanorkar, Research Scientist, MMRS, AAU, Godhra; Dr. K.N. Wadhwani, Head, LPM, Veterinary College, AAU, Anand; Shri V.M. Patel, Representative DAO, Dahod; Shri Nitin Chaugule, DDM, NABARD, Dahod; Shri Anil DHINGA, Deputy Project Director, ATMA, Dahod; Dr. M. Jagoda, VO, DDAH, Dahod; Mr. Raisingbhai Parmar, Agri-Entrepreneur of the Dahod District and Progressive Farmer Mr. Deepsingbhai Parmar remained present as the members of the meeting. Dr. K.K. Patel, Research Scientist, HMS, Dahod Dr. H. B. Patel, Extension Educationist, DEE, AAU, Anand and Dr. M.M. Trivedi, Principal, PAE, AAU, Dahod also attended the meeting. Dr. U. M. Patel, Senior Scientist and Head of KVK, Dahod welcomed all the members presented extension activities & Annual Action Plan of the KVK for the year 2017-18. Dr. Arun Patel, DEE, AAU suggested to sale the University products viz., Anubhav Seeds, Liquid Biofertilizers, Tricoderma & Mineral Mixture by KVK Dahod for ease available to tribal farmers.

- Twenty sixth Scientific Advisory Committee meeting of KVK, Devataj was held on 20 September 2016. Hon. VC, Dr. N.C. Patel presided over the meeting. Dr. Arun Patel, DEE, AAU, Dr. R.B. Kale, Scientist (AE), ATARI, Jodhpur;



Mr. C.N. Patel, DAO, Anand; Dr. P. R. Bhatnagar, Head, RRC of ICAR-CSWTRI, Vasad; Dr. Nitin Shah, Prof. & Head, Dept. of

Horti, BACA, AAU, Anand; Dr. D.C. Patel, Research Scientist, ANRS, AAU, Anand; Mr. H.B. Parekh, DDH, Anand; Mr. P.B. Parmar, Project Director, ATMA, Anand; Mr. Umesh Rathod, Assistant General Manager, NABARD and Dr. V.R. Boghra, ADEE, AAU remained present as members of the meeting. Mr. Vikrambhai Patel, Agri- Entrepreneur of the Anand District and Progressive Livestock Farm Woman Mrs. Meenaben Atulbhai Patel attended this meeting as farmer representatives. Dr. N. C. Patel, Hon. VC, AAU suggested to upload the success stories of progressive farmers guided by KVK on AAU website.

- Eleventh Scientific Advisory Committee meeting was held on 20 September 2016 at KVK, Arnej (Dist. Ahmedabad). Dr. N. C. Patel Hon. V.C. presided over the meeting. Dr. A. A. Patel, DEE, AAU and Dr. Kale Scientist, ATARI, Jodhpur remained present for the meeting. Invited guests Dr. M. V. Patel, Prof. & Head, Agronomy Dept., AAU, Anand, Dr. B. P. Joshi, Prof. & Head, Pathology Dept., Veterinary College, AAU, Anand, Dr. V. R. Boghara, ADE, AAU, Mr. R. A. Chavda, Deputy Director, Training, Ahmedabad, Mr. Maheshbhai Prajapati, Asst. Agri. Director, Ahmedabad, Dr. D. B. Sisodiya, Asso. Res. Sci. and Mr. Dharamsinhbbhai Patel, Progressive farmer, Jivanpura also remained present in the meeting. Dr. J. K. Patel, Sr. Scientist & Head and all the scientists of KVK Arnej presented the annual progress report of 2015-16.



Dr. N. C. Patel, Hon. VC, AAU suggested to disseminate the new agricultural technology among farming community through wider circulation in press media by KVK.

INNOVATIVE RESEARCH (PG)



- Research on free-living nitrogen-fixing bacteria in rhizospheric soil of organically and conventionally grown rice (*Oryza sativa* L.) varieties viz. *Gurjari*, *Narmada* and IR-64 fields was carried out to isolate efficient

diazotrophic cultures viz. *Azospirillum*, *Azotobacter* and *Rhizobium* isolates and studied the *nifH* responsible for nitrogen fixation expression as commonly used marker gene following real time PCR technique. This is a distinct approach on comparison of organically and conventionally grown rice soils for diazotrophs for the first time and confirmed through molecular techniques.

- Isolation and characterization of plant growth promoting bacteria from *Panchgavya* and modified *Panchgavya* having important role for its applicability was studied. Where in four promising bacteria, *Pseudomonas stutzeri*V1PG, *Bacillus pumilus*V3PG, *Acinetobacter calcoaceticus* V9MP and *Acinetobacter guillouiae* V10MPG, were found to have best phosphorous solubilizing capacity and anti-fungal activity *in vitro*, hence valuable for organic agriculture.
- Three promising native rhizospheric bacteria were isolated from medicinal plants viz. *Safed musli* (*Chlorophytum borivillianum*), *Shankhpushpi* (*Convolvulus pluricaulis*) and *Kalmegh* (*Andrographis paniculata*), characterized by 16S rRNA sequencing as *Sphingomonas aquatilis* MPR1 (NCBI Accn, no. KX110354), *Bacillus endophyticus* MPR3 (NCBI Accn, no. KX110356) and *Streptomyces violaceorubridus* MPR2 (NCBI Accn, no. KX110355) and proved to possess various plant growth promoting parameters *in vitro* and *in vivo*, useful for growing *Kalmegh* organically.

HAPPENING @ INFORMATION TECHNOLOGY CENTER



Online Admission programme for UG & Polytechnic - 2016 (<http://www.gsaUCA.in>)

For admissions to UG as well as polytechnic programmes, Anand Agricultural University (AAU), Anand has been given responsibility for common admission to the colleges

of state agricultural universities and Kamdhenu University. Students were able to apply for admissions online at colleges managed by Junagadh Agricultural University, Navsari Agricultural University, Sardarkrushinagar Dantiwada Agricultural University and Kamdhenu University apart from Anand Agricultural University.

Online Admission programme for PG- 2016 (<http://www.gsaUCA.in/pg/>)

For PG programme, Anand Agricultural University (AAU), Anand has given common admissions for Post Graduate Programmes to colleges of all agricultural universities and Kamdhenu University in Gujarat. Students can apply for admissions in courses of their choice online at colleges managed by Junagadh Agricultural University, Navsari Agricultural University, Sardarkrushinagar Dantiwada Agricultural University and Kamdhenu University apart from Anand Agricultural University.

Online Admission programme for D to D – 2016 (<http://www.gsaUCA.in/pg/>)

For D to D (Diploma to Degree) programme, Anand Agricultural University (AAU), Anand has given common admission challan print online for applying to courses of their choice at colleges managed by Junagadh Agricultural University, Navsari Agricultural University, Sardarkrushinagar Dantiwada Agricultural University apart from AAU. IT center managed all the activities related to online handling of admission.

INVITED TALK IN PRE VIBRANT SAMMIT-2017



Dr. R. V. Vyas, Res. Scientist (Micro) delivered an invited talk on 'Use of Biofertilizer for increased output and income' in Technical Session II : Doubling

Income through New Technologies in Vibrant Gujarat : Agro and Food Processing Seminar on 'Growth Opportunities through Sustainable Agriculture and Food Processing' organized on 2 September 2016 as 'Pre Vibrant Summit - 2017' at Mahatma Mandir, Gandhinagar. Several farmers and delegates attended the seminar to get introduction on innovative & novel technologies like AAU's Anubhav Liquid Biofertilizers to save cost of cultivation for more yield and

better soil health. The talk was appreciated as to justify the recent motive of Govt. of India and doubling of farmers' income by 2022, a declaration by Hon. Prime Minister. The session was chaired by Dr. K. N. Shelat, IAS (Rtd.) and Co-chaired by Dr. A. R. Pathak, VC, JAU, Junagadh in esteemed presence of Dr. N C Patel, Hon. VC, AAU, Anand and Dr. C. J. Dangaria, Hon. VC, NAU, Navsari.

DISTINGUISHED VISITORS



Dr. N.C. Patel, Hon. VC, AAU welcoming Dr. Trilochan Mohapatra, Secretary, DARE & Director General, ICAR

- Dr. Trilochan Mohapatra, Secretary, DARE & Director General, ICAR, New Delhi and Dr. T. Jankiram, Asstt. Director General (HS-II), ICAR, New Delhi visited Anand Agricultural University, Anand on 03 September 2016. They had an interaction meeting with Dr. N. C. Patel, Hon. VC, AAU and all the University Officers and Deans which was followed by a brief presentation of various research, education and extension activities by AAU & visit to Sardar Patel Educational Museum. Dr. Trilochan Mohapatra, Secretary, DARE & Director General, ICAR, New Delhi was impressed by the facilities and activities of AAU.



- The Hon'ble Ex. DDG (ENGG), ICAR, New Delhi Dr. M. M. Pandey visited Sardar Patel Agricultural Educational Museum, AAU, Anand on 16 August 2016.



- Dr. Chandish R. Ballal, Director, National Bureau of Agricultural Insect Resources, ICAR, Bangalore visited Biofertilizer Project on 24 August 2016. She discussed about commercialization of liquid Biofertilizer technologies - an example of research towards farmers support.

- Dr. P. K. Chhonkar, Retd. & Emeritus Scientist, Soil Science visited biofertilizer plant on 31 August, 2016 and was impressed by pioneering work on biofertilizer R & D and also development of indigenous liquid biofertilizer technology by the department.



- Ms. Emily Fanning, Oklahoma State University, USA along with Dr. H. G. Mishra, EDI, Ahmedabad, visited Agri. Microbiology Dept. on 14 September 2016 and discussed about prospects and marketing strategy of liquid biofertilizers. They took keen interest in fermentation based technology and Bio NPK formulation.



- Shri Sanjay Prasad, Principal Secretary, Dept. of Agriculture & Cooperation, GoG, Gandhinagar along with Dr. N. C. Patel, Hon. VC,

AAU, Anand visited the biofertilizer plant on 24 September 2016 and took keen interest in organic farming approaches of the Microbiology Department.

CELEBRATION OF PARTHENIUM WEEK AT AAU

- The Parthenium Awareness Week Programme was arranged at Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 22 August 2016 in collaboration with AICRP on Weed Management, AAU, Anand. Prof. D. D. Chaudhry explained the short story regarding Parthenium to the students. The video presentation prepared by AICRP on Weed Management on Parthenium was shown to the student Dr. V. J. Patel, Asso. Prof., Sheth M. C. Polytechnic in Agriculture, AAU, Anand also briefly explained the importance regarding control or eradication of this noxious weed and future needs for its management. The booklets and folders on Parthenium were also provided to the students for study purpose.



- Parthenium week celebration cum Khedut Shibir was organized by Agricultural Research Station, Sansoli on Nizampura village of

Mahemdavad Taluka on 23 August 2016. Total 22 farmers remained present in the programme.

- Krishi Vigyan Kendra, Arnej celebrated the Parthenium Awareness Week during 16-22 August 2016 in which on and off campus training programmes were arranged for farmers. Around 130 farmers participated.



- Parthenium awareness week from 16-22 August 2016 was organized by KVK, Dahod. The students of Polytechnic in Agricultural Engineering, AAU, Dahod were

informed about parthenium plant, how it got introduced in India and the extent of dispersal. Students were sensitized about the harmful effects of Parthenium too.

Parthenium awareness programme amongst farmers was conducted on these days. Farmers were warned about hazards of Parthenium as being infesting road side crop fields. They were also given tips for controlling Parthenium by mechanical, chemical as well as biological means. Total 30 student and 77 farmers participated in this programme.

- KVK, Devataj and Weed Control Project, AAU, Anand jointly celebrated Parthenium Control Training on 20 August 2016 at Balinta village to make farmers and public aware about the menace of Parthenium. Total 50 Farmers and farmwomen remained present.

QUALITY SEED PRODUCTION TRAINING AT ANAND

Dept. of Seed Science and Technology, BACA, AAU, Anand organized three farmers trainings programmes on 'Quality seed production of important crops of Gujarat' consecutively during August - September 2016. Total 106 farmers from Dahod, Sabarkantha and Tapi districts had participated.



AWARENESS TALK-CUM-SEMINAR ON BIO-ENTERPRISES ATJABUGAM



One day 'Awareness talk-cum-seminar on Bio-Enterprises' – a flagship programme under BiotechnopreneurTM was jointly organized by Gujarat State Biotechnology Mission (GSBTM), GOG and College of Agriculture, AAU, Jabugam on 17 September 2016.

The Principal Dr. Sunil Patel welcomed the guests and highlighted the importance of organizing such seminar to inculcate the spirit of entrepreneurship among the students. Three invited experts Dr. R. V. Vyas from AAU, Anand and Mr. Javed Shekh and Ms. Ritu Trivedi from GSBTM deliberated on Bio-Enterprises overview and opportunities. They also discussed in detail about the approaches and strategies for enhancement of the field of biotechnology in Gujarat. They also explained about government policies and incentives for

entrepreneurs like the policies of funding from State and Central Government. The event ended with presenting mementos to the invitee speakers and vote of thanks by Dr. Bhushan Aher. Total 62 students and staff members participated in the seminar.

INTERACTIVE SESSION AT ARS, SANSOLI



Interaction / Group discussion with 35 class-I and class-II officials of line departments, GoG was organized at ARS, Sansoli in the presence of Dr. B. N. Patel, Asso.

Res. Sci. & Unit head, Prof. M. B. Zala, Asst. Res. Sci. and Prof. S. A. Sipai, Asst. Ext. Edu., ARS, Sansoli on 21 July 2016.

WOMEN EMPOWERMENT PROGRAMMES AT AAU



- A training programme was organized on 5 August 2016 by KVK, Arnej (Dist. Ahmedabad) on Women Empowerment

through skill development by small scale business attitude like bakery training and livestock keeping. About 60 women participated from Raipur, Vejalka, Kesargadh and Arnej villages of Dholka taluka.

- Women's Empowerment Programme was celebrated by ARS, Sansoli on 6 August 2016. Total 37 women of different villages of Mahemdavad Taluka had participated.



TRAINING PROGRAMME BY ARS, SANSOLI



- Ministry of Agriculture, Government of India sponsored Three days training programme on 'Cropping Practices

of Oilseed Crops' was organized at ARS, AAU, Sansoli in collaboration with Dept. of Agriculture, Mahemdavad (Kheda) as a part of 'National Mission on Oilseeds and Oilpalm (NMOOP)' during 10-12 August 2016. Total 98 farmers of different villages of Mahemdavad Taluka have participated.

DEMONSTRATIONS ON LIQUID BIOFERTILIZERS IN TRIBAL AREA OF PANCHMAHAL



Total 60 liquid biofertilizers demonstrations on use of Bio-NP (Azospirillum lipoferum ASA 1 +Bacillus coagulans PBA 16) in Maize crop (Var. GAWMH-1) were organized in tribal area of Panchmahal. Farmer Shri Balvantbhai Dhirabhai Bariya, Raliyata faliyu, Village Orwada, Dist. Panchmahals, stated good impact of biofertilizer treatment during field visit of scientists on 28 September 2016. Moreover, same farmer had also used liquid biofertilizers in paddy and got better tillering.

NATIONAL NUTRITION WEEK CELEBRATION AT KVK, AHMEDABAD



Krishi Vigyan Kendra, Ahmedabad organised the training programmes for school children and farmers during 1-7 September, 2016 as a part of National Nutrition Week celebration. The information regarding health, agriculture and livestock management was given to the children. The exposure visit was organised on 2 September 2016 for 100 farmers of Sanand & Daskroi taluka and they had attended the Food Processing Seminar which was held at Gandhinagar.

TRAINING OF ORNANIC FARMING BY KVK, AHMEDABAD



Krishi Vigyan Kendra, AAU, Arnej organized two days farmers training programme on Organic Farming in collaboration with Regional Centre of Organic Farming,

Nagpur under Sansad Adarsh Gram Yojna during 14-15 July 2016 at Barejadi village. Total 48 farmers participated & interacted with scientists to solve their problems related to organic farming.

CELEBRATION OF ICAR INDUSTRY DAY AT KVK DAHOD



ICAR Industry day was organized at Krishi Vigyan Kendra, AAU, Muvaliya farm Dahod on 20 July 2016. Dr. U.M. Patel, Sr. Scientist & Head, KVK, Dahod delivered a

lecture on how to build small and medium scale industry in tribal area. Dr. S.K. Patel Scientist (Agril. Engg.), delivered a lecture on value addition in soybean & maize and income generation through custom hiring and to boost up mechanization level of the district crop.

CELEBRATION OF NATIONAL FISH FARMERS' DAY AT ANAND



National Fish Farmers' Day was celebrated jointly by RRC of ICAR-CIFA, Gujarat and KVK, Anand at Conference Hall, Aniket Farmers' Hostel, AAU, Anand on 10 July 2016. The Chief Guest on the occasion was Dr. A.M. Thaker, Principal & Dean, Faculty of Vet. Sci. & AH, AAU, Anand and Guest of honour were Dr. B.H. Patel, Ex-Incharge, ATIC, AAU; Shri Mahesh Thalotiya, Supdt. of Fisheries, Kheda; Shri Mukeshbhai Patel, In-charge, ATIC, AAU, Anand and Shri Wakambam Anand, In-charge of CIFRI, Vadodara centre. On this occasion Progressive fish farmers were felicitated and a folder on, 'Management of common fish disease' was released. Few progressive fish farmers shared their experience and stories with the researchers, students and other farmers. Around 80 participants including farmers, students from Dept. of Bioscience, SP University researchers and officials attended the programme.

TRAINING ON FOOD PROCESSING TECHNOLOGY AT ANAND

A short term Training Programme on Food Processing Technology was organized at College of Food Processing Technology & Bio-Energy, Anand during 29-31 August 2016. Progressive farmers and village level processors attended the programme from different places of Gujarat state.



CELEBRATION OF INTERNATIONAL YOUTH DAY BY KVK, ANAND



KVK, AAU, Devataj celebrated International Youth Day on 12 August 2016. This programme was presided over by Dr. Arun Patel, DEE, AAU. Dr. G.G. Patel, Sr. Scientist & Head of

KVK welcomed all the youth farmers and invited guests. He discussed about the theme of programme 'The Road to 2030: Eradicating Poverty and Achieving Sustainable Consumption and Production'. Dr. Arun Patel, DEE, AAU, Anand emphasized to the farmers that our country is the country of youngest people in world and youths need to gain more knowledge and skill for betterment of their own family and country at large. He also opined that farmers should explore newer development in agriculture for more economic returns from farm produce.

OUT STATES FARMERS VISIT AT AAU



- A group of farmers of ATMA Project, Dist: Jaipur (Rajasthan) visited Sardar Patel Agricultural Educational Museum, Anand Agricultural

University, Anand on 1 August 2016.

- Tamil Nadu farmers visited dept. of Microbiology, AAU, Anand on 26 August 2016 and learnt information on liquid biofertilizers use in crops.



- A group of 20 farmers along with two Staffs from Theni district, Tamil Nadu visited KVK, AAU, Anand on 21 September 2016. KVK scientists explained the latest technologies on water efficient irrigation system and water harvesting technologies.

VALEDICTORY FUNCTION AT VETERINARY COLLEGE, ANAND



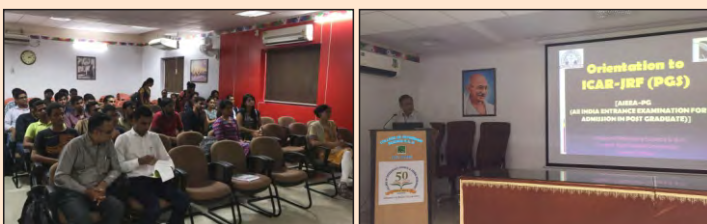
The Valedictory Function for the outgoing B.V.Sc. & A.H. students of 49th batch was arranged on 12 July 2016 in the Conference Hall, Kapila Teaching Complex, College of Vet. Sci. & AH, Anand. Dr.N.C.Patel, Hon. VC, AAU, Anand as President of the function emphasized that prime duty of the Veterinarians is to treat the dumb creatures for the relief of their sufferings. Shri Babubhai Jebaliya, the Chairman, Gujarat Agro-Industries Ltd, Gandhinagar as Chief Guest and Dr. Poshak R. Patel, Registrar, Gujarat Veterinary Council, Gandhinagar, as Guest of Honour. Shri Babubhai Jebaliya explained the role of Veterinarians for the upliftment of animal owners and grass-root workers related to animals and their products. Total 57 students including 6 girls were administered the Veterinarian's Oath by Dr. Poshak R. Patel. The house was informed that forty graduates including three girls were selected during the Campus Placements by organizations like Gujarat Co-operative Milk Marketing Federation, Mahi Group of Dairies and Jivdaya Charitable Trust. The Dean, Dr. A.M.Thaker briefed the gathering about the college and the role of Veterinarians in the society for the rural upliftment.

ORIENTATION PROGRAMME AT FPTBE, ANAND



The college admitted its 8th batch of UG students for academic session of 2016-17. An orientation programme was organized on 02 August 2016 to acquaint new students regarding various facets of the college programme.

ICAR-JRF (PGS) COACHING AT VETERINARY COLLEGE, ANAND



College of Vet. Sci. & AH, AAU, Anand has started ICAR-JRF (PGS) coaching for AIEEA-PG (All India Entrance

Examination For Admission in Post Graduate), a national level examination for admission in M. V. Sc. in reputed institutes of India. It was inaugurated by Dr. A. M. Thaker, Dean/ Principal, Veterinary College, Anand on 1 September 2016 along with other faculty members and students who enrolled for coaching.

ORIENTATION OF RAWE PROGRAMME-2016



The RAWEP is a learner-centered and learning through experience approach for the students of B.Sc. (Agri.) to provide them real life and field based functional

situations of learning to make them capable, self-confident and purposeful unit of sustainable agricultural development. The RAWE Programme for the 7th semester students was organized by Dept. of Extension Education, B. A. College of Agriculture, AAU, Anand during 16 July 2016. The programme was inaugurated by Dr. K. P. Patel, Principal & Dean, B. A. College of Agriculture, Anand. He explained the significance of RAWEP to create agricultural wisdom amongst the students. Dr. J. B. Patel summarized the overview of RAWE Programme and explained the implications of the programme and presented methodology & phase wise activities of the RAWE programme. In this programme, all Department Heads also narrated importance of RAWE programme.

FIELD TRIP AT CENTRAL SOIL & WATER CONSERVATION RESEARCH AND TRAINING INSTITUTE, ICAR, VASAD



One day field trip was organized by Sheth M. C. Polytechnic in Agriculture, AAU, Anand at Central Soil & Water Conservation Research and Training Institute, ICAR, Vasad

(Dist: Anand) on 03 September 2016. Total 81 students of this polytechnic participated in this trip.

FRESHER'S DAY CELEBRATION AT AAU



- The College of Food Processing Technology & Bio Energy admitted its 8th batch of UG students. For

welcoming of new students, Fresher's Day Celebrations – *Aagmanagm* was organized on 01 September 2016. Mr. Ansh Patel was adjudged Mr. Best Fresher – 2016 and Ms. Ritika Desai was adjudged Ms. Best Fresher – 2016.

- An aura of happiness, love and harmony was experienced at *Krishna Girls' Hostel* when Dairy Science Girls welcomed their new Juniors into the world of dairying and organised *Deep Yagna* at their Hostel on 1 September 2016. The enthusiasm of the event was elevated by the gracious presence of Dr. J. B. Prajapati, Principal, SMC College of Dairy Science, AAU, Anand, Dr. S. H. Akbari, DSW, AAU, Anand and Dr. P. N. Thakar, Retd. Prof. & Head, DBM. Dairy Science faculty members attended the event. The programme was exquisitely and meticulously organized by Dairy Science senior girls to render warm welcome to the freshers into Dairy Science family along with many creative outputs from both seniors and new comers, which included Rangoli, Poster and Eye-catching Decorations.



- Fresher's Welcome – 2016 was organized on 8 September 2016. This function was named as *Vadhamana –2016* by the students. It was organized in the presence of Dr. S.H. Akbari, DSW and Dr. J.B. Prajapati, Principal & Dean of SMC College of Dairy Science. All the freshers performed various activities on the stage. Mr. Yash Rupala was adjudged Mr. Fresher – 2016 and Ms. Shivani Mishra was adjudged Ms. Fresher – 2016.



GUJARAT STATE INTER AGRICULTURAL UNIVERSITY VOLLEYBALL, BASKETBALL AND BADMINTON TOURNAMENT 2016-17

Gujarat State Inter Agricultural University Volleyball, Basketball and Badminton Tournament 2016-17 was organized at Gymkhana Ground, AAU. All four Universities took part in the tournament. Dr. N.C. Patel, Hon. VC remained



present in inaugural function. Anand Agricultural University became champion in volleyball and badminton and runners-up in basketball tournament.

INTER COLLEGIATE CULTURAL AND LITERARY COMPETITION 2016-17

The Inter-collegiate competition for cultural and literary events was organized on 16 September 2016 at Veterinary College, AAU, Anand. About 200 students actively participated in various competition like One Act Play, Folk Dance, Mime, Mono Acting, Debate, Elocution and Essay. In the inaugural function, DR, Dr. K. B. Kathiria, DEE, Dr. Arun Patel, DSW, Dr. Sanjay Akbari, Principal and Dean, Dr. A. M. Thaker, addressed and encouraged the students. Hon. VC, Dr. N. C. Patel, extended his heartfelt wishes for successful organization of the programme. In the closing ceremony, DSW, Dr. Sanjay Akbari and Principal, Horticulture College, Dr. H. C. Patel, awarded the winners.



SOUTH KOREAN YOUTH DELEGATION VISITED AAU

Thirty Five students of South Korean Youth Delegation visited AAU on 24 September 2016 under bilateral youth exchange programme. The interaction was conducted at College of Food Processing Technology and Bio Energy. About 50 NSS student volunteers and five NSS Programme Officers of AAU participated and interacted with Delegation.



Shri Kamal Kumar Kar, Regional Director, NSS, (Gujarat) remained present with his team. Dr. S.H. Akbari, DSW and Programme Coordinator made conversation with Youth Delegation of South Korea. NSS student volunteers made interaction with South Korean Youth Delegation on education and cultural exchange.

TREE PLANTATION PROGRAMMES AT AAU

- The veterinary college had organized the 'Tree plantation programme' on 26 August 2016 under National Service Scheme. The



programme was inaugurated by Dr. A. M. Thaker, Dean/Principal, Veterinary College, Anand. The NSS programme officer Dr. R. A. Mathakiya, staff members and NSS volunteers of the college remained present. During the programme, NSS volunteers had participated and plantation of saplings were carried out near by the Dept. of Veterinary Surgery & Radiology.



- 67th Van-Mahotsav was celebrated on 16 August 2016 with great enthusiasm by NSS volunteers at College of

Agricultural Engineering & Technology, AAU, Godhra under the auspices of the Dept. of Forest & Environment, GOG. Dr. Arun Patel, DEE, AAU specially remained present on the occasion to motivate the students for tree plantation activity. He addressed the NSS volunteers of the college and emphasized the role of trees in facing the today's climate change phenomenon which is creating worries in the minds of human kind all over the globe. Dr. R. Subbaiah, Principal (CAET) elaborated the reasons of climate change in a scientific manner. Officials of forest department working in various capacities joined the Van-Mahotsav celebration. Shri R.R. Garod, Mamlatdar (Godhra Taluka) shared his experiences with CAET students and described the role of an administrator for the welfare of society as a whole. Tree plantation was conducted by all distinguished guests, staff & students.

REPTILE EDUCATION PROGRAMME



- Reptile Education Programme was organized at Vaso in collaboration with Nature Foundation, Vallabh Vidhyanagar on 5 August 2016. In

this programme, Dr. Y. M. Shukla, Principal of College of Agriculture & Polytechnic in Agriculture, Shri Nirajbhai Parmar and Shri Vishalbhai Mistry of Nature foundation and his team members, all the staff member and students remained present.

SNAKE SHOW AT VETERINARY COLLEGE, ANAND

Snake show was organized for trainees of ASCAD training programme and UG students of the Veterinary College, AAU on 9 September 2016 at Veterinary College, Anand. Volunteers from Nature Club, Vallabh vidhyanagar given various tips regarding handling and identification, types of snake, their behavior, approach to snake and many relevant information about snakes of Gujarat & India.



SPRITUAL ACTIVITIES AT AAU

The Spiritual Activity programme was organized at Sheth M. C. Polytechnic in Agriculture, AAU, Anand with Pu. Rasikviharidas swami and Pu. Gopalyogi swami, saint of Bochasanwasi Aksharpurshottam Swaminarayan Sanstha, (BAPS), Anand on 9 September 2016. They addressed the students for their bright future, service to nation and spirituality in life.



INVITED TALK



To motivate the students to see dream for betterment of life and to work hard to fulfill the dreams, a guest lecture of Dr. Ajaysinh Chauhan, Asst.

prof. (Gujarati) was organized at Vaso Campus on 9 August 2016. Dr. Ajaysinh Chauhan has received two awards from *Gujarati Sahitya Parishad* for criticism on Gujarati modern poetry. He talked about world famous book 'Alchemist'. He reviewed this book and at the end he derived the centre point of the book that, 'every person should see the dream and should work hard to fulfill his/her dream'.

TRIBUTE TO URI MARTYRS BY AIT COLLEGE, ANAND



The faculties and the students of the college have paid their tribute to the Martyrs of the Indian Army Jawans at Uri, on 21 September 2016. The college has strongly condemned the terrorist attack on Uri Army Camp at Jammu & Kashmir and prayed for the martyrs.



BLOOD DONATION CAMP AT VETERINARY COLLEGE, ANAND

The College of Vet. Sci. and AH, AAU, Anand had organized 'Blood donation camp' on 31 August 2016 under National Service Scheme. The programme was inaugurated by Dr. S. H. Akbari, DSW, AAU along with Dr. A. M. Thaker, Dean / Principal, Veterinary College, Anand. Dr. R. A. Mathakiya, NSS programme officer; faculty members, NSS volunteers and other students of the college. In blood donation camp students as well as faculty members had participated enthusiastically and donated record breaking 102 units of blood for the betterment of humankind.



EYE CHECK-UP & HOMEOPATHIC CONSULTATION CAMP AT ANAND

One Days Eye Check-up & Homeopathic Consultation Camp was organized on 5 August 2016 at Health Center, AAU, Anand. Dr. S.H. Akbari, DSW remained present and inaugurated the camp. University employees, students, families took benefit of the camp.



BEST FACULTY AWARD



Dr. Atanu Jana, Prof. & Head, Dairy Technology Dept. of Sheth M.C. College of Dairy Science, AAU, Anand received the 'Best

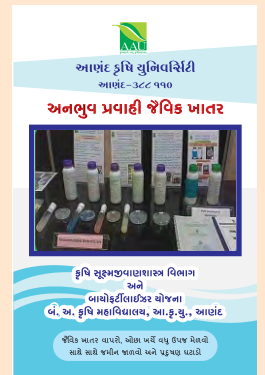
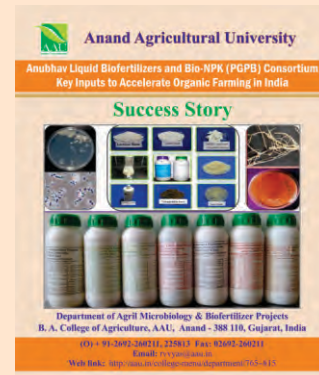
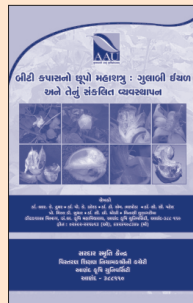
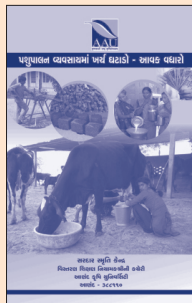
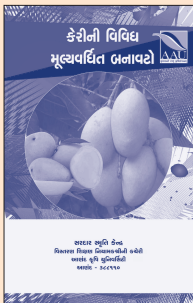
Faculty Award' from Education Expo TV-Companies Rating System (EET-CRS) Faculty Branding Award held at Monotel Hotel, Kolkata on 24 July 2016.

BEST UG TEACHER AWARD

Dr. V. K. Gondalia, Asst. Prof., Dept. of Agricultural Economics, B.A. College of Agriculture, AAU, Anand was awarded with Shri Varadhbhai Ambaidas Patel BEST UG TEACHER AWARD during academic year 2015-16 in a function organized by BACA Alumni Association, AAU, Anand on 9 September 2016 at Anand.

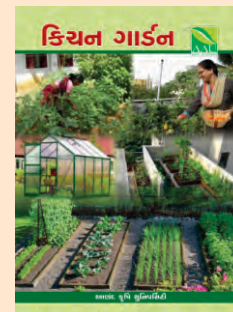


PUBLICATIONS OF AAU



BOOK PUBLISHED FOR FARMING COMMUNITY

The publication unit, DEE, AAU, Anand published four books named Kitchen Garden, Important Diseases of Important crops and their control, Plant Protection and Organic Farming in gujarati language for the benefit of farming community and put for sale at nominal prices to the farmers.



Price : ₹ 40/-
(By Regd. Post : ₹ 80/-)



Price : ₹ 50/-
(By Regd. Post : ₹ 90/-)



Price : ₹ 80/-
(By Regd. Post : ₹ 140/-)



Price : ₹ 60/-
(By Regd. Post : ₹ 100/-)

CONGRATES

- The B. A. College of Agriculture, AAU, Anand is proud of Mr. Jwalit Nayak and Mr. Pranav



Gajjar (students of BACA) who have been admitted (Fall-2016 Intake) in Florida Agricultural and Mechanical University (FAMU), Florida, USA for M.S. programme in the discipline of Life Sciences. Prof. Odemari Mbuya of FAMU received the students at Tallahassee Airport on 12 August 2016 upon their arrival in USA. Dr. N.C. Patel, Hon. VC appreciated the FAMU authority for admitting these students.

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 7437 subscribers registered for this farm magazine upto September 2016.



*You have to do the right things.
You may never know what results come from your actions.
But if you do nothing there will be no results.*

- Mahatma Gandhi

Book-Post

To

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

INVITATION

INTERNATIONAL CONFERENCE



International Conference will be held on Nutraceuticals and Functional Foods- The Challenges and Opportunities & XIII Convention of the Indian Society of Agricultural Biochemists, Kanpur (ICNFF-16-ISAB)' during 6-8 December 2016 at Anand Agricultural University, Anand-Gujarat (India) in collaboration with Indian Society of Agricultural Bio-chemicsts, Kanpur (India).

For Conference Correspondence : ICNFF-16-ISAB

Contact No. : +91-2692-225750

+91-9426386681, +91-9839251482

Email : jgtalati007@gmail.com

gps_csau@rediffmail.com

RETIREMENTS

July 2016

- 1 Shri Govindbhai Dayabhai Patel, Head Clerk, Office of the Comptroller, AAU, Anand
- 2 Smt. Vimal Rameshchandra Nikhare, Head Clerk, Office of the Registrar, AAU, Anand
- 3 Smt. Puspaben Dinkarbhai Parmar, Head Clerk, Office of the Comptroller, AAU, Anand
- 4 Shri Kailash Devidan Ayachi, Head Clerk, EEI, AAU, Anand
- 5 Smt. Ellaben Rohitbhai Pandya, Senior Clerk, Dairy Science College, AAU, Anand

August 2016

- 6 Shri Adarshi Maganbhai Bariya, Agri. Assistant, RRS, AAU, Anand
- 7 Shri Bakul Dhansukhlal Bhatt, Lab. Technician, Veterinary College, AAU, Anand

September 2016

- 8 Shri Vasudev Lalshankar Panchal, Compressor Attendant, Dairy Science College, AAU, Anand
- 9 Shri Jagdishbhai Dhirubhai Valand, Senior Clerk, ICAR, AAU, Anand
- 10 Shri Naginbhai Dayabhai Chavda, Peon, B.A. College of Agriculture, AAU, Anand
- 11 Shri Ramanbhai Iswarbhai Vaghela, Peon, Office of the Executive Engineer, AAU, Anand
- 12 Shri Gotabhai Chaturbhai Vaghela, Helper, Veterinary College, AAU, Anand Sad demise