



# AAU

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### Message




Nutraceuticals constitute a novel approach in modern health care and therefore market demand on specified health care products such as dietary supplements including botanicals, nutraceuticals and functional foods is increasing at a fast rate (~15%). During the last few decades, the diet – health message has evolved which initiated the

development of functional foods. Processing of farm produce including cereals, pulses, oilseeds, fruits and vegetables and dairy produce particularly milk and milk products to produce nutraceuticals and functional foods will go a long way in providing food, nutrition and health security to our ever increasing global population.

India's nutraceuticals market is likely to touch \$6.1 billion by 2020 from the current level of \$2.8 billion. It is interesting to note that the domestic nutraceutical and functional foods market is mainly concentrated in southern region of the country, followed by the eastern region with leading top three states being Andhra Pradesh, Tamil Nadu and West Bengal. Nutraceuticals and functional foods have invited the attention of the crop scientists, biochemists, biotechnologists, food technologists, pharmacists, nutrition experts and industrialists in recent times in order to develop food products having better nutritional quality.

AAU has taken research initiatives focusing on functional foods and nutraceuticals, especially the works related to probiotic *lassi*; quality analysis in durum wheat which is registered by AAU under geographic indication as *Bhal* wheat; biofortification of iron & zinc in rice and optimization of oleoresin extraction protocol from chilli. I believe that Nutra-geonomics coupled with bioinformatics should also be one of the areas, where emphasis should be given to start up new research programmes.

The old proverb 'an apple a day keeps the doctor away' is now 'a nutraceutical a day keeps the doctor away'.

  
( N. C. Patel )  
Vice Chancellor

**WELCOME FUNCTION OF HON. MINISTER OF AGRICULTURE AND ENERGY GUJARAT STATE AT AAU ANND**



Welcome function of Minister of Agriculture & Energy, GoG

The Welcome function of Minister of Agriculture & Energy, Gujarat State was organized at central hall of B. A. College of Agriculture, AAU, Anand on 1 October 2016. Dr. N.C. Patel Hon. VC, AAU welcomed Shri Chimanbhai Sapariya, Hon. Minister of Agriculture and Energy with bouquet of flowers as well as 'Shawl'. The Hon. Minister was also welcomed and honoured by the university officers. The Agriculture Minister appreciated the activities carried out by AAU in the field of agriculture and allied sectors. The Hon. Minister said that good co-operation will be provided to AAU by GoG. He appealed all the agricultural scientists to work for the betterment of the farmers of Gujarat State. He also visited various departments and Sardar Patel Agricultural Educational Museum of the university.



Welcoming of Shri Chimanbhai Sapariya, Hon. Minister of Agriculture and Energy by Dr. N. C. Patel, Hon. VC, AAU

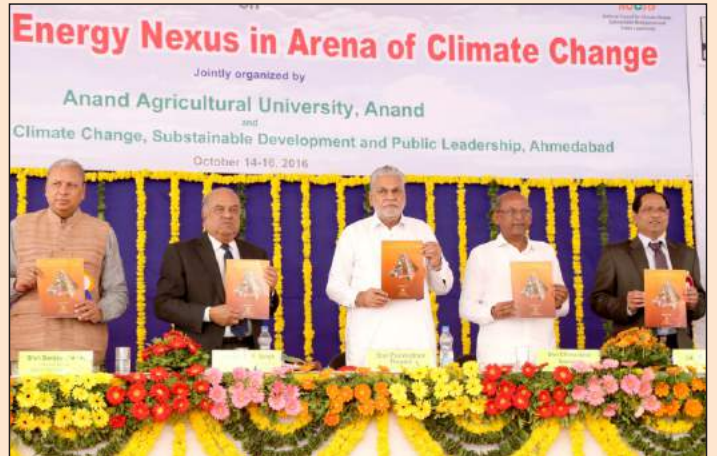
**INTERNATIONAL CONFERENCE ON FOOD, WATER, ENERGY NEXUS IN ARENA OF CLIMATE CHANGE AT AAU, ANAND**

An International Conference on 'Food, Water, Energy Nexus in Arena of Climate Change' was organized jointly by AAU and NCCSD, Ahmedabad during 14-16 October 2016. Shri Parsottambhai Rupala, Hon. Minister of States (Agri.), Gol



Inauguration function of International Conference on Climate Change at AAU

and Shri Chimanbhai Sapariya, Hon. Minister of Agriculture and Energy, GoG graced the occasion of inaugural function of the conference as the chief guest and guest of honour, respectively. About 1100 delegates participated in the conference involving students, academicians, scientists, farmers, administrators and policy makers. Foreign delegates from Florida Agriculture & Mechanical University, USA; LYK School of Public Policy, Singapore; University of Southern Queensland, Australia; Kennesaw State University, USA and IRRI, Philippines participated in the conference.



Release of souvenir by Shri Parsottambhai Rupala, Hon. Minister of States (Agri.), Gol and Shri Chimanbhai Sapariya, Hon. Minister of Agriculture and Energy, GoG and other dignitaries

**WORLD FOOD DAY & NATIONAL TECH FEST AT COLLEGE OF FPT&BE, ANAND**

World food Day is celebrated through out the world on 16 October to mark the foundation day of FAO of the United Nations. The College of Food Processing Technology and Bio-Energy celebrated World Food Day in a grand manner, for three days by hosting national Tech Fest called 'ADROIT'. The Tech Fest was attended by more than 25 colleges across the country which consisted nearly 1450 participants including the students as well as faculty members.



Dr. N.C. Patel, Hon. VC, AAU and dignitaries visiting the National Tech Fest

The Tech Fest was inaugurated by Dr. N. C. Patel, Hon. VC, AAU. The chief guest of the function was Shri Sangram Chaudhary, Executive Director, National Dairy Development Board, Anand. The guests of honour were Dr. R. K. Jain, Principal, ADIT; Dr. K. B. Kathria, DR, AAU; Dr. Arun Patel, DEE and Dr. S.H. Akbari, DSW. After the inauguration they witnessed various events like New Product Development, Model Making and Poster Presentation. The world food day awareness rally was also organized to convey the message of world food day i.e. 'Climate is changing, Food and Agriculture must too'. This year school children were also invited to celebrate the world food day. The response was overwhelming as more than 240 students of standard 5<sup>th</sup> to 9<sup>th</sup> from 11 schools participated in Sketching, Drawing and Fire free cooking competition. These events were followed by interactive session where industrial experts like Mr. R. K. Jain, Principal A. D. Patel Institute of Technology; Mr. R. K. Shah, Technical Consultant Functional Foods and Nutraceutical; Mr. Dilipsinh Jala, Director, Dynamic Agro and FoodBiz Consultant Pvt. Ltd. and Mr. Harsh Doctor, Co-Founder & Director, Prodoc Foods Pvt. Ltd.; discussed on the topic 'Challenges of Marketing and Manufacturing of Branded Ethnic Indian Food'. The panel discussion was moderated by Mr. Baker Ninan Fenn, Research Associate of the college. In order to sensitize the students, this session was followed by theme lecture by Dr. Prabodh Halde, Head Technical Regulatory, Marico Ltd for domestic and international business. He discussed on the topic



'Challenges and Opportunities for Food Processing Professionals'. He also explained the current situation of Food Industry and inspired students to think out of the box to excel in their career. The Tech Fest ended with valedictory function presided over by Dr. N. C. Patel, Hon. VC with Chief guest Dr. Prabodh Halde; Dr. D. C. Joshi, patron of world food day celebration; Dr. Arun Patel, DEE and Dr. S. H. Akbari, DSW. The winners and runners up were awarded with cash prizes and certificates.

#### NATIONAL SEMINAR & VI ANNUAL CONVENTION OF SVSBT VETERINARY COLLEGE, AAU, ANAND



Releasing souvenir in National Seminar and VI Annual Convention of SVSBT by Dr. N. C. Patel, Hon. VC, AAU and other dignitaries

A two day National Seminar on 'Biotechnological Approaches in Management of Health and Reproductive Disorders in Livestock for Sustainable Production' and 'VI Annual Convention of the Society for Veterinary Science & Biotechnology (SVSBT)', Indore was hosted by College of Veterinary Science & Animal Husbandry, AAU, Anand in collaboration with the Indian Society for Study of Animal Reproduction (ISSAR), Gujarat Chapter and State Animal Husbandry Dept., Gandhinagar under the aegis of Central Government sponsored scheme Assistance to States for Control of Animal Diseases (ASCAD) during 16-17 December, 2016.

The Inaugural Function was presided over by Hon. VC of AAU, Dr. N.C. Patel. Hon. Director & VC, NDRI, Karnal, Dr. A.K. Srivastava was the Chief Guest. Dr. K.B. Kathiria, DR, AAU, Dr. B.J. Parmar, Additional Director of Animal Husbandry, GoG, Gandhinagar; Dr. R.S. Shrimal, President, SVSBT & Ex-Director of AH, Govt. of MP, Bhopal and Dr. H.J. Derashari, President, ISSAR, Gujarat Chapter & Ex-DEE, NAU, Navsari were the Guests of Honour. Dr. A.M. Thaker, Dean of Faculty & Chairman, Organizing Committee, Dr. R.S. Dhanotia, Honorary Secretary, SVSBT, Indore, and Dr. A.J. Dhami, Organizing Secretary of the seminar were on the



dais.

Dr. A.M. Thaker, Dean & Chairman of Organizing Committee delivered welcome speech, highlighted the activities, facilities and achievements of the college and welcomed the Hon'ble Guests with bouquets of flowers. This was followed by speech of Dr. H.J. Derashri, President, ISSAR Gujarat and Dr. R.S. Shrimal, President, SVSBT. Dr. K.B. Kathiria, DR, AAU appreciated the theme of the seminar chosen and narrated the achievements and gaps in the research areas of Veterinary and Animal Science sector of the University and wished for useful recommendations from the deliberations speech by Hon. VC. On this occasion, a 'Souvenir cum Compendium', a book in Vernacular language '*Pashu Prajanan: Samasyao Ane Tena Upayo*' and a half yearly periodical 'GVC News Link' were released by the dignitaries. The Best Paper Awards and Outstanding Veterinary Graduates of the Year Awards of SVSBT were given to the winners. Two Patrons and stalwarts of ISSAR Gujarat Chapter, Dr. V.M. Mehta and Dr. F.S. Kavani were also felicitated by the dignitaries. Total 276 delegates participated from all over the country.

#### INTERNATIONAL CONFERENCE ON 'NUTRACEUTICALS AND FUNCTIONAL FOODS' AT AAU, ANAND



Release of Souvenir during inauguration function of International conference by Chief Guest Shri Chimanbhai Sapariya, Hon. Minister of Agriculture & Energy Dept. of Biochemistry, B. A. College of Agriculture, AAU and Indian Society of Agricultural Biochemists, Kanpur jointly organized an International conference on 'Nutraceuticals and Functional Foods' at Anand Agricultural University during 6-8 December 2016. The Chief guest of the function was Shri Chimanbhai Saparia, Hon. Minister, Agriculture and Energy,

GoG; Dr. S. N Tyagi, Mission Director, GSBTM, Gandhinagar and Dr. Rajender S. Ranu, Colorado State University, USA were Guests of Honor. The function was graced by the president, Dr. N. C. Patel, Hon. VC, AAU. Dr. K. B. Kathiria, DR, AAU and Dr. K. P. Patel, Principal and Dean (Agri.) were Coordinator and Chairman of the conference, respectively. Dr. J. G. Talati, Res. Sci. & Head, Biochemistry was the Organizing Secretary. Participants from various countries like U. S. A, U. K, Australia, Camroon and from various parts of the country attended and presented their research work in the conference.

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



#### INTERFACE MEET AT VETERINARY COLLEGE, AAU, ANAND



Indian Veterinary Research Institute, ICAR, Izatnagar in collaboration with AAU organized a one-day Interface Meet with 150 Veterinary Officers of the

Dept. of Animal Husbandry, Gujarat Scientists of KVKs and Dairy Development Officials of the Gujarat Cooperative Milk Marketing Federation (GCMMF), Faculty of Veterinary College, AAU, Anand and the scientists from IVRI, Izatnagar on 19 December 2016 at Veterinary College, AAU, Anand.

#### ICAR SPONSORED WINTER SCHOOL AT SMC COLLEGE OF DAIRY SCIENCE, AAU, ANAND



Dr. N.C. Patel, Hon. VC, AAU inaugurating the Winter School

The Dairy Technology Department of SMC College of Dairy Science, AAU, Anand organized a 21 days ICAR sponsored Winter School on the topic 'Innovative Approaches, Value addition in dairy products and Future prospects in Dairy Industry'. The inaugural programme of the Winter School was held on 16 November 2016. Dr. N.C. Patel, Hon. VC, AAU, Anand presided over the function, Dr. K. Rathnam, Managing Director, Kaira Dist. Co-operative Milk Producers' Union Ltd. (Amul) was the Chief Guest and Dr. K.B. Kathiria, DR, AAU, Anand was the Guest of Honour. The course was attended by 18 participants from various parts of the country.



Dignitaries releasing soft copy of souvenir in the inaugural function of Winter School

### TRAINING WORKSHOP ON VERU AT VETERINARY COLLEGE, ANAND



Inauguration function of Training Workshop on VERU at Veterinary College, Anand

The training workshop on 'Veterinary Emergency Response Operations' under Veterinary Emergency Response Unit (VERU), West Zone, India was organized at Veterinary College, AAU, Anand during 17-21 October 2016. The Workshop was inaugurated by Dr. N. C. Patel, Hon. VC, AAU. The Guests of honour were Dr. K. B. Kathiria, DR and Mr. R. K. Mishra, Assistant Commandant, National Disaster Response Force, 6<sup>th</sup> Battalion, Gandhinagar. Mr. Hansen T. Prem, Project Manager, World Animal Protection, New Delhi remained present and conducted training sessions. Total 66 students of B. V. Sc. & A.H. participated in the workshop.

### FIRST TIME IN THE STATE MOCK DRILL OF ANIMAL RESCUE BY AAU, ANAND

A Mock drill of animal rescue during disaster was carried out at Nabhoi village of Tarapur taluka of Anand district on 21 October 2016, first time ever in Gujarat state. It was carried out by 6<sup>th</sup> battalion, NDRF, Vadodara under guidance of Shri R. K. Mishra, Asstt. Commandant at Veterinary College, AAU, Anand in collaboration with World Animal Protection, New Delhi, Animal Husbandry Dept. and District administration, Anand. Dr. Dhaval Patel, Collector, Dist. Anand provided all the support to carry out such a noble job for the animals and advised the team to select a village really suffering from flood like situation in future. The mock drill was organized in leadership of Dr. R. S. Joshi, Co-ordinator, VERU, West Zone, India and Organizing Secretary Dr. R. J. Modi and Dr. K. A. Sadariya (VERU trainers) under the guidance of Dr. A. M. Thaker, Dean and Principal, GVC, AAU, Anand. During Mock drill, it was demonstrated how animals are being rescued during flood, fire, earth quake etc. (live) and more than 1200 villagers of the Nabhoi and neighboring villages witnessed the programme under the leadership of Shri Laljibhai Makwana, Sarpanch, Nabhoi and learnt to rescue animals during disaster. Under the supervision of Dr. Snehal M. Patel, Deputy Director, A.H. Dept., Anand; Dr. Shahid Saiyad and other VOs of the state dept. did vaccination, deworming, treatment and provided necessary aids to more than 450 animals.



### NATIONAL LEVEL TRAINING ON SEMEN TECHNOLOGY AT AAU, ANAND



Dr. A.J. Dhami, Prof. & Head and Course Director, Dept. of ARGO, Veterinary College, AAU, Anand in collaboration with NDDB, Anand organized a

specialized national level training programme under NDP Phase 1 from 21 November to 3 December 2016 at the Central Sperm Station for seven Quality Control Officers working on various Commercial Bovine Frozen Semen Production Stations of the Country.

## REFRESHER TRAINING TO STATE VETS/PARAVETS UNDER ASCAD

Refresher Training programmes for the Veterinarians (four batches) and Paravets/ Livestock Inspectors (two 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 Veterinary College, AAU, Anand during October to December 2016. Total 26 Veterinary officers and 13 Livestock Inspectors participated.

## MEETING OF HON. VC, AAU WITH THE HON. MINISTER FOR HIGHER EDUCATION AND SCIENCE, DENMARK



The breakfast round-table discussion between the Hon. Minister for Higher Education and Science, Denmark and Hon. VC, AAU & Team

The Breakfast Round-Table Discussion among the Hon. Minister for Higher Education and Science, Denmark, Mr. Soren Pind and a few selected directors and Vice Chancellors from higher education and research institutions was held at Ahmedabad on 7 December 2016 at the hotel Hyatt Regency, Ahmedabad. In the meeting Dr N. C. Patel, Hon. VC, AAU, Anand briefed about agricultural education system in the University. He also narrated research and extension education activities carried out by the university for the benefit of the farming community. Further, he focused on the important technologies developed by the university. A few important MoUs which were made with institutions from foreign countries regarding faculty and students' exchange



Dr N. C. Patel, Hon. VC presented a memento to Mr. Soren Pind, Hon. Minister for Higher Education and Science, Denmark

as well as research programmes were discussed. He expressed AAU's interest in collaborative research and educational programmes with the Danish Government in future. Dr. N. C. Patel, Hon. VC presented a memento to Mr. Soren Pind, Hon. Minister for Higher Education and Science, Denmark at the end of the meeting.

## BIDI TOBACCO FIELD VISIT IN KARNATAKA & ANDHRA PRADESH STATE BY AAU SCIENTISTS



Dr. H. R. Patel, Dr. K. M. Gediya and Mr. D. R. Delvadiya, Scientists of BTRS, AAU, Anand visited farmers' fields, growing bidi tobacco at Nipani area of Karnataka and Kurnool

district of Andhra Pradesh during 18-25 December 2016. They discussed with the farmers about newly released varieties resistant to root knot and mosaic diseases as well as drought tolerant varieties.

## A SPECIAL TALK BY AAU SCIENTIST



A special talk on 'Agriculturally Beneficial Microorganisms - Vital Source for Soil Health and Food Security' was delivered by Dr. R. V. Vyas,

Prof. & Head, Dept. of Agril. Microbiology on 1 October 2016 in training programme on 'Soil Safety and Soil Health: Issues of Concern for Agriculture, Environment and Human Health' at Centre of Advance Faculty Training (CAFT), Jawaharlal Nehru Krishi Vishwa Vidyalaya (JNKVV), Jabalpur. There were 23 participants from different parts of the country.

## EIGHTH LAC MEETING AT TRTC, DEVGADHBARIA



Eighth Local Advisory Committee (LAC) Meeting of Tribal Research cum Training Centre was organized at TRTC, AAU, Devgad Baria on 19

October 2016. Dr. N. C. Patel, Hon. VC and Chairman of the 8<sup>th</sup> LAC remained present. Dr. Arun Patel, DEE; Dr M. K. Jhala, ADR; Dr A.M. Thakar, Dean, Veterinary College and Dr V. R. Boghra, ADEE, AAU also attended and provided suggestions for Annual Action Plan of TRTC. Dr G. J. Patel, Research Scientist briefed about the activities and developments at TRTC. Dr. N. C. Patel, Hon. VC reviewed

the activities and provided valuable guidelines to strengthen the activities.

### SECOND LAC AT PVK, DEVGADH BARIA



Release of books by Dr. N. C. Patel, Hon. VC, AAU at 2<sup>nd</sup> LAC Meeting of PVK

The second Local Advisory Committee meeting of *Pashu Vigyan Kendra* was arranged at TFWTC, AAU, Devgadh Baria on 19 October 2016. Dr. N. C. Patel, Hon. VC and Chairman of the 2<sup>nd</sup> LAC remained present. Dr. Arun Patel, DEE, AAU, Dr A.M. Thaker, Dean, Veterinary College; Dr. J. B. Prajapati, Dean, Dairy Science College, Dr. V.R. Boghra, ADEE, Dr. M. K. Jhala, ADR attended and gave suggestions for Annual Action Plan of PVK. Dr S. G. Vahora, Asso.Prof., briefed about the activities and developments of PVK. Dr. N. C. Patel, Hon. VC reviewed the activities and gave valuable suggestions to improve upon the activities of PVK. Two books in Gujarati '*Adarsh Ghetta Palan*' and '*Adarsh Sasla Palan*' were released on the occasion.

### BI-MONTHLY WORKSHOP AT DOEE, AAU, ANAND



Bi-monthly workshop was organized under broad base extension training programme by T&V System at DoEE, AAU, Anand during 23-24 November 2016. Total 29 Extension personnel of line departments of Gujarat

State participated in the workshop.

### ORGANIC FARMING TRAININGS AT AAU, ANAND



Two training programmes on organic farming were organized at Agronomy Dept., BACA, AAU, Anand during October to December 2016. Total 99 farmers participated in the training.

### TECHNOLOGY WEEK CELEBRATION AT KVKs OF AAU

Technology Week was celebrated during 3-7 October 2016 at KVK Arnej. Total 113 farmers from ten different villages had participated in this event. The technologies of different agricultural areas were demonstrated to the participants.



Krishi Vigyan Kendra, AAU, Muvaliya Farm, Dahod celebrated 'Technological week' during 17 to 21 October 2016. A training program was conducted and 40 Front Line

Demonstrations on Gram (GJG-3), Mustard (GDM-4) and biofertilizer (NPK) were organized. A Field Day on Okra (GAO-5) and Pigeon pea (AVPP-1) crop was organized on 18 October 2016 at Dhamarda Village of Dahod taluka. Farmer Scientist Interaction and Front Line Demonstrations on Chili (GVC-1) were also organized. An Animal Health Camp as well as Field Day on vegetables and soybean was conducted at Bordi Sarkari Village of Dahod taluka. Total 492 farmers benefitted during the celebration of entire technological week.

### ANIMAL HEALTH CAMP BY KVK, AHMEDABAD



Krishi Vigyan Kendra, Ahmedabad organized an animal health camp at Baldana village of Bavala taluka in collaboration with Animal Husbandary Dept, Bagodara on 15 October 2016. Total 196 animal were treated in the camp.

### CERTIFICATE COURSE FOR INPUT DEALERS AT SSK, ANAND



Inauguration function of Six Months Course for Input Dealers by Dr. N. C. Patel, Hon. VC, AAU

Six months course for input dealers of Central Gujarat has been started by AAU at SSK, Anand in collaboration with GoG, Gandhinagar. An inauguration function of 'Certificate in Agriculture Extension Services for Input Dealers' course was organized under the Chairmanship of Dr. N.C. Patel, Hon. VC, AAU at Sardar Patel Agricultural Educational Museum, AAU, Anand on 21 October 2016. Dr. Arun Patel, DEE, AAU welcomed all the guests and trainees and gave brief introduction about input dealers' course in Gujarat State. Dr. K. B. Kathiria, DR, AAU was the Chief Guest of the function. He urged input dealers to disseminate the recommended agricultural technologies to the farming community. Dr. N.C. Patel, Hon. VC, AAU mentioned that input dealers are in constant contact with farmers so they can give correct agricultural information and knowledge to the farmers as a social service.

### TRAINING PROGRAMMES UNDER CCN, AAU, ANAND



Office of Director of Extension Education and Krishi Vigyan Kendra, AAU, Dahod organized four training programmes during 25-26 October 2016 for Progressive farmers at

different villages viz. Prathampur, Rupakheda, Dhamrada, Bordi Sarkari and Masi Toyni of Dahod district under the scheme of 'Centre for Communication Network'. Dr. N.V. Soni, Extension Educationist delivered lecture on importance of communication network for sustainable agriculture development. Dr. S. K. Patel, Scientist (Agri. Engg.) and Prof. G. K. Bhabhor, Scientist (Ext. Edu.) KVK, Dahod delivered lectures on 'how to establish small agricultural library' and 'role of communication network for horizontal spreading of the technologies'.

### IWM AWARENESS PROGRAMMES UNDER TSP

• One day awareness programme on Integrated Weed Management under Tribal Sub Plan was organized at Krishi Vigyan Kendra, Dahod on 21 October 2016 and at TFWTC, Devgad Baria on 9 November 2016. Lectures on different topics of weed management were delivered by Dr. B. D. Patel,



Agronomist, Shri D. D. Chaudhari, Jr. Agronomist, and Dr. H. K. Patel Jr. Microbiologist, AICRP-Weed Management, AAU, Anand. Mechanical method of weed

management with hand hoe was demonstrated and hand hoes were distributed among the participant farmers.

### ONE DAY FARMERS TRAINING PROGRAMMES BY CAET, GODHRA

• Dept. of Soil and Water Engineering, CAET organized one day farmers training programme on 20 October 2016 at Godhra. Dr. Arun Patel, DEE, AAU, Dr. D.C. Joshi, Principal & Dean, FPT & BE, Dr. R. Subbaiah, Principal & Dean, CAET remained present to encourage the farmers.



• Dept. of Renewable Energy Engineering of CAET, Godhra organized one day farmers training and demonstration programme on 28 November 2016 entitled 'Surya Urjani Khetima Upyogita' under Advanced Centre for Research and Trainers Training on Agricultural Engineering based intervention funded by Government of Gujarat.

### WORLD FISHERIES DAY BY KVK, ANAND



KVK, Devataj celebrated World Fisheries Day on 21 November 2016. Dr. H.B. Patel, Extension Educationist, DEE, AAU, Anand was chief guest of the programme. Invited guest

for this programme were Dr. Ajit Chaudhari and Shri Sunil Ail from RRC, CIFA, Anand. Dr. G.G Patel, Sr. Scientist & Head, KVK, AAU, Devataj welcomed all the farmers and guests and discussed about the importance of celebration of this day.

### CELEBRATION OF KVK FOUNDATION DAY AT AAU

KVK, Anand celebrated its 'KVK Foundation Day' on 20 November 2016. Dr. G.G Patel, Sr. Scientist and Head, KVK, Devataj welcomed all the farmers and guests and discussed activities and success stories of KVK since its inception. All





the scientists presented brief information regarding their activities. About 50 farmers of nearby villages attended this programme.

### NATIONAL MILK DAY AT KVK, ANAND



Krushi Vigyan Kendra, AAU, Devataj celebrated 'National Milk Day' on 26 November 2016 at Village Palol of Sojitra Taluka. The day is celebrated in the memory of Dr. Verghese

Kurien for his contribution for development of dairy sector. Dr. G.G. Patel, Sr. Scientist & Head welcomed all the farmwomen and farmers and informed them about the theme of programme.

### AWARENESS TRAINING PROGRAMMES ON COMMUNICATION MEDIA BY CCN, AAU, ANAND



Centre for Communication Network (CCN), DEE, AAU, Anand and Krishi Vigyan Kendra, Mangalharti, Vadodara jointly organized four training programmes at

Kalarani (Ta.Pavijetpur), Nanabutiya pura (Ta. Bodeli), Pipalada & Godadha (Ta.Kanwant) on role of Communication Media in Agriculture & Rural development during 30 November to 1 December 2016. Dr. N. V. Soni (Prof. & Editor, DoEE, AAU, Anand), Dr. B. M. Mehta (Sr. Sci. & Head, KVK) and other staff of KVK delivered talks on importance and utilization of different media for improving agriculture production and productivity. Total 148 farmers from five villages participated. Two sets of books and subscription of *Krishigoviddya* farm magazine published by AAU were distributed to each village.

### FARMERS TRAINING ON QUALITY SEED PRODUCTION AT BACA, AAU, ANAND

Seed Science and Technology Dept., BACA, AAU, Anand organized four day farmers' training programme on 'Quality Seed Production in Important Crops of Gujarat' during 22-25 November 2016. Farmers from the village Sanbar, Ta. Santrampur, Dist. Mahisagar adopted by BACA for participated in the training programme.

### TRAINING ON SOYBEAN AT TRTC AAU, DEVGADH BARIA

ICAR –Indian Institute of Soybean Research (IISR), Indore and Tribal Research cum Training centre jointly organized training programme on precise cultivation method of Soybean during 28-30 November 2016 at TRTC, AAU, Devgadh Baria. Lectures were delivered by experts on scientific and precise farming of soybean. Total 30 woman trainees participated.



### IPM TRAININGS FOR FARMERS AT BACA, AAU, ANAND

Under 'Integrated Pest Management' scheme supported by State Government, three IPM trainings were conducted during October to December, 2016 at Dept. of Entomology, BACA, AAU, Anand. Total 116 farmers participated from Sabarkhantha, Arvalli, Mahesana, Chhotaudepur and Kheda districts.



### TRAINING PROGRAMMES AT ARS, SANSOLI



Ministry of Agriculture, Gol sponsored two day Training Programme on 'Cropping Practices of Oilseed Crops' was organized at ARS, AAU, Sansoli in collaboration with Dept. of

Agriculture, Mahemdabad (Kheda) as a part of 'National Mission on Oilseeds and Oil palm (NMOOP)' during 17-18 October 2016. Total 70 farmers of different villages of Mahemdabad taluka participated.

### INTERSTATE PROGRAMME AT SSK, ANAND



Sardar Smruti Kendra, DoEE, AAU, Anand organized two interstate programmes on 'Integrated Farming System' for farmers group of ATMA Project, Dist.

Mandsaur (M.P.) and Dist. Khargon (Rajasthan) arranged during 15-19 November and 19- 20 December 2016, respectively.

### GREEN HOUSE / NET HOUSE TRAINING FOR FARMERS AT AAU, ANAND



Green House / Net House Farmers Training Programme was organized during 20 December 2016 to 3 January 2017 at Directorate of Extension Education in collaboration

with Horticulture Dept., AAU, Anand. Fourteen farmers of various districts of Gujarat State participated.

### KHEDUT SHIBIRS AND FIELD DAYS BY NIRP, AAU, KHANDHA

Three Khedut shibirs and six field days were organized to disseminate the improved technologies in agriculture by NIRP, AAU, Khandha during October-December 2016.



### HAPPENING @ INFORMATION TECHNOLOGY CENTER

- IT center managed the online activities like abstract submission, full paper submission and online fees payment gateway related to the 'International Conference on Food, Water, Energy nexus in arena of Climate change', held during 14-16 October, 2016 at AAU, Anand.
- IT center developed web based application for online information management for extension education centers of AAU. IT center provided training to the Deans and Heads from different extension & research centers of AAU on 29 November 2016.
- IT center managed online 13<sup>th</sup> Annual Convocation form submission service. Convocation function was webcasted live on the website of the university.

### DISTINGUISHED VISITORS

- Dr. K. KIRE, Chief Conservator of Forest, Arunachal Pradesh visited Dept. of Agriculture Microbiology and Biofertilizer Plant on 6 October 2016 and was impressed with low cost biofertilizer products having potential to improve agriculture productivity.

- Shree Madhukarbai Parekh, Chairman of Pidilite Industries, Mumbai with Dr. Yoshik Trivedi visited Sardar Patel Agricultural Educational Museum, AAU, Anand on 28 October 2016.



- Mr. Anil Gote, MLA, Maharashtra State, visited the Dept. of Agriculture Microbiology & Biofertilizer plant on 9 November 2016 and

showed much interest in biofertilizer product and suggested to develop more products for farmers.

- Prof. Steven Raine, Executive Director, Institute for Agriculture and Environment, University of Southern Queensland, Australia; Satya Shah, Associate



Director – Markets & Development, USQ and Ankit Danak, In- Country Representative, USQ, visited Anand Agricultural University, Anand on 15 November 2016. They had

an interaction meeting with Dr. K. B. Kathiria, DR and Scientists of AAU. Dr. R. Subbaiah made a brief presentation on 'Water Management Scenario of Gujarat' which was followed by discussion on various areas on which collaborative educational and research programmes can be taken up jointly. They visited Sardar Patel Agricultural Educational Museum, Horticulture Farm and Regional Research Station. They were impressed by the

activities of AAU and showed keen interest for collaborative programmes for agricultural research and education.



- Dr. Malcolm John, Rothamsted Research, Harpenden, Dr. Peter Shewry, Rothamsted Research and University of Reading, U.K. and Prof. Rajinder S.Ranu, Colorado State University, USA visited Dept. of Agriculture Microbiology and Biofertilizer on 7 December 2016 and discussed about use of liquid biofertilizers for organic cultivation and farming as green revolutionary product of AAU.



- Prof. A.K.Srivastava, Director & VC, NDRI, Karnal visited Sardar Patel Agricultural Educational Museum, AAU, Anand on 16 December 2016.

- Officers of Fertilizer Association of India (FAI), West Zone, Mumbai visited Sardar Patel Agricultural Educational Museum, Anand Agricultural University, Anand on 22 December 2016.



- Shree Sadhu Rashik Viharidas, BAPS, Anand visited Sardar Patel Agricultural Educational Museum, AAU, Anand on 27 December 2016.

### CELEBRATION OF CONSTITUTION DAY AT AAU



- The constitution day was celebrated at Vaso Campus by NSS unit of College of Agriculture and Agriculture Polytechnic on 26 November 2016. A talk

on preamble and fundamental duties was delivered by the students. A film show on Constitution named 'Samvidhan' was also organized for the NSS volunteers, students and staff of the colleges.

- The 'Constitution Day' celebration was organised under NSS at Kapila Teaching Complex of Veterinary College, AAU, Anand. Dr. A. M. Thaker, Dean/Principal of college inaugurated the function. The quiz competition on



Constitution of India was organized. Winners of elocution and quiz competition were awarded with prizes. Total 90 NSS volunteers & faculty members participated.

- Dr. J B Prajapati, Principal & Dean, SMC College of Dairy Science made a very informative presentation on Constitution of India and Food Security. The programme was attended by around 200 people including students, staff of Dairy Science College and Vidya dairy.



- The constitution Day was celebrated at College of Agricultural Information Technology. A special assembly was organized for the

celebration of the day directed by the Principal Dr. D. R. Kathiriya. Prof. D. K. Parmar highlighted the provisions of the Constitution and its prominent features. In Elocution, Students of AIT shared their views on the significance of celebrating the Constitution Day.

- An essay competition was arranged at Polytechnic in Agriculture, AAU, Anand on the subject 'The Indian Constitution' in which total 33 NSS volunteers participated.



### CELEBRATION OF AGRICULTURAL EDUCATION DAY AT AAU



- The ICAR observes the 3<sup>rd</sup> December of every year as Agricultural Education Day, which is the birthdate of India's first Union Minister of Agriculture of India in

1946 and first President of Independent India, *Bharat Ratna*, Dr. Rajendra Prasad. A special assembly was organized at AIT College for the celebration of the day as directed by the Principal Dr. D. R. Kathiriya. An essay writing competition on 'Role of IT in Agricultural Development' was organised. All the students of the college participated in the event.

- An expert talk by Dr. I.R. Rathore, Retired Scientist, AAU, on 'Entrepreneurship in Agriculture with focus on Advance Technologies' was organized by International Agribusiness Management Institute, AAU, Anand. All the students and faculty members attended the lecture.



- Veterinary College, AAU, Anand celebrated Krishi Shiksha Divas on 3 December 2016. The function was chaired by the Chairman, SRC, Dr. P. R. Pandya along with other faculty members. Various events like essay writing, poster making and elocution were organised.



### PERSONALITY DEVELOPMENT PROGRAMME AT COLLEGE OF AGRICULTURE, AAU, VASO

Personality Development Programme 'Campus to Corporate' was organized by College of Agriculture, AAU, Vaso in association with Hytech Vision, Ahmedabad during 11-13 November, 2016. Total 150 students of B.Sc.(Agri.) participated.



### AWARENESS PROGRAMME ON WATER CONSERVATION AND WAYS OF WATER SAVING



Awareness programme on 'Water Conservation and Ways of Water Saving' was organized at Agriculture Polytechnic, AAU, Anand on 15 December 2016. The NSS volunteers, other students

and staff members of Agriculture Polytechnic participated in the programme.

### AWARENESS PROGRAMME ON GENDER EQUALITY AND GENDER SENSITIZATION AT AAU, ANAND

Sheth M. C. Polytechnic in Agriculture arranged the awareness programme on 'Gender Equality and Gender Sensitization' on 27 December 2016. All the students attended the programme.



### CELEBRATION OF JAY KISHAN JAY VIGYAN WEEK AT AAU

- ICAR decided to celebrate 'Jay Kishan Jay Vigyan' week during 23 - 29 December every year on the Birth anniversary of Shri Atal Bihari Vajpayee



and Late Shri Chaudhary Charan Singh, two former Prime Ministers of India. In this context International Agribusiness Management Institute (IABMI), AAU organized University Level Debate Competition titled 'Organic Farming: Status & Way Forward' on 27 December 2016. The event began with the lighting of lamp by Dr. S. H. Akbari, DSW, AAU. Dr. Y. C. Zala, Principal & Dean, IABMI provided information to participants and welcomed DSW and members of Jury and all participants. The result was declared on the basis of favour and against the motion. In favour Mr. Nayak Ajay K. and Mr. Vaibhav Bajpaee of Veterinary faculty secured the first and runners-up position respectively whereas against Mr. Rajendra Mamodia of Dairy Science faculty, secured the first position.

- College of Horticulture organized University Level Essay Competition on 27 December 2016. The topic for debate was 'Contribution of Agriculture Sciences



in Nutritional and Food Security'. Students from different Colleges of AAU participated in this competition. Darshanbhai Patel, a student of Veterinary College secured first position while Vaibhav Kabdwal, a student of Dairy Science College and Vishva Sandhani, a student of College of AIT secured second and third position, respectively.



- Krishi Vigyan Kendra, AAU, Anand celebrated Jay Kisan Jay Vigyan week by organizing five one day programmes at different villages as well as at KVK Devataj. On

campus training programme at KVK Devataj was organized on 23 December 2016 in which 24 girl students participated.

- Krishi Vigyan Kendra, Dahod celebrated 'Jai Kisan Jai Vigyan' week during 23-29 December 2016. Sr. Scientist & Head, Dr. U.M. Patel informed the farmers about the various activities of KVK and lectures on different subjects were delivered by the concerned Scientists. Twenty five farmers of Chanasar village were made aware about Organic Farming. Lectures on scientific agricultural practices were also given to 1070 students of 'Yash Vatika Uttar Buniyadi Vidyamandir', Jesawada. Moreover, information about Agriculture Skill Council of India (ASCI) was shared from the platform.

### ASSET MAPPING BY CAET, AAU, GODHRA



Empowering Panchayati Raj Institutions Spatially (EPRIS) project is sponsored by NRSC ISRO, DOS, Govt. of India, Hyderabad. For endowing panchayati raj institutions and citizens for spatial, integrated decentralized planning in India, asset mapping at panchayat level for 20 gram-panchayats of Kheda, Gujarat was done by students of College of Agricultural Information Technology, AAU, Anand using Bhuvan-panchayat mobile application and this activity was coordinated by Prof. M. P. Raj.



### YOGA EDUCATION PROGRAMME AT VASO CAMPUS, AAU, VASO



Yoga Education Programme was organized by College of Agriculture & Polytechnic in Agriculture, AAU at Vaso on 12 November 2016. Shri Vikrambhai Upadhyay, Yog Guru and his colleagues

taught different exercises and pranayam to the students practically as well as theoretically. He mentioned about the benefits of regular practice of yoga in daily life.

### THALASSEMIA TEST CAMP AT AAU



Thalassemia Test Camp was jointly organized by NSS of Agriculture Polytechnic, Horticulture wing and AIT College, AAU, Anand on 10 November 2016. The programme was inaugurated by Dr. K P Patel, Principal & Dean, BACA. He provided useful information on various effects of Thalassemia on future life to the students.

### SAUs CULTURAL & LITERARY COMPETITION

Gujarat State Agricultural University Cultural and Literary competition was held at Junagadh Agricultural University, Junagadh on 24 November 2016. Anand Agricultural University took part in One Act Play, Mono-acting, Mime, Folk Dance, Debate & Elocution. AAU team won 1<sup>st</sup> prize in One Act Play & Debate and 2<sup>nd</sup> Prize in Folk Dance and Mime.



### BASIC ROCK CLIMBING CAMP

Basic Rock Climbing Camp for boys of AAU was organized during November - December 2016 at Pandit Dindyalal Upadhyay Mountaineering Institute, Junagadh by DSW, AAU, Anand. Total 80 students of different colleges of AAU participated.



### CELEBRATION OF GANDHI JAYANTI BY SMC COLLEGE OF DAIRY SCIENCE, AAU, ANAND

A motivational lecture by a well-known spiritual leader was organized on the special day of Gandhi Jayanti at Dairy Science College, Anand. Continuing the trend this year, best

rooms in terms of cleanliness and aesthetic appearance were given three prizes each from UG and PG Girls' as well as Boys' hostels, respectively. A Rangoli Competition was also arranged at Dairy Science girls' hostel with themes, 'Festivals' and 'Beauty of Nature'. The celebration continued with an exceptionally enlightening motivational talks by eminent speakers Prof. Prafulchandra S. Shah and B. K. Sandhyababen from Prajapita Brahma Kumari Ishwariya Vishwavidyalaya, Nadiad.



### SWACHHA BHARAT ABHIYAN AT AAU



- *Swachh Bharat Abhiyan* was organized at College of Food Processing Technology and Bio-Energy, Anand. All the staff and students of the college participated in the national level campaign by the Government of India.

Pledge for *Swachh Bharat Abhiyan* was taken and cleaning was planned and implemented through different teams.

- KVK Devataj celebrated *Swachha Bharat Abhiyaan Pakhwara* during 16-31 October 2016. In the premises of KVK, dustbins are being used for dry and wet waste materials. The banners on *Swachh Bharat Mission* have been pasted on walls to create awareness on importance of cleanliness among farmers visiting KVK.



- '*Swachhta ane Samajik Samrasta Saptah*' was celebrated during 25 September 2016 to 2 October 2016 by Polytechnic in Agriculture, AAU, Anand

with collection and destruction of waste for '*Swachhta*'.

The polytechnic students participated in '*Nasabandhi*' debate arranged at Veterinary College, AAU, Anand on 2 October 2016.

- Awareness programme on '*Swachh Bharat Abhiyan*' was conducted by NSS on 21 October 2016 at Agriculture Polytechnic, AAU, Anand.



NSS volunteers were made aware of the bad effects of open toilet on health and social security by documentary '*MAAN*'. Video film on success story of Vaspar toilet- cement structure in rural areas and toilet for villagers was shown. Dr. S. H. Akabari, DSW and Project Coordinator, NSS, AAU, Anand chaired the programme and delivered inspiring speech on the subject.

### CELEBRATION OF NAVRATRI MAHOTSAV-2016 AT AAU, ANAND



Celebration of *Navratri Mahotsav* 2016 by Dr. N. C. Patel, Hon. VC, AAU and other dignitaries at Anand Campus

*Krushi Parivar* of Anand Agricultural University, Anand organised *Navratri Mahotshav-2016* at Anand Campus during 01-10 October 2016. All Family Members of AAU Staff and retired staff members participated. Shri Rohitbhai Patel, Hon. Minister of State, Industries & Mines Department & Finance, GoG, Shri Dilipbhai Patel, Hon. MP, Anand, Dr. Dhaval Patel (IAS), Anand District Collector, Shri Manish Bansal (IAS), Borsad Prant Officer and Prof. Sirish Kulkarni, VC, Sardar Patel University, Vallabh Vidynagar graced in *Navratri Mahotsav* by their presence.



## AWARDS

- Mr. Pushpendra Kumar Gupta, MBA-IAB student received first prize in all India level Summer Internship Project Competition organized by Jaipuria Institute of Management, Noida on 14 October 2016 and also got first prize in Summer Project Contest (Finance event AVARTAN) organized by National Institute of Industrial Engineering (NITIE), Mumbai on 15-21 October 2016.



- Dr. B.P. Joshi, Prof. & Head, Dept. of Pathology, Veterinary College, AAU, Anand received Indian Association of Veterinary Pathologists (IAVP) Achievement Award-2016 for Best Toxicologic Pathologist during the Annual conference of IAVP held at Chhattisgarh Kamdhenu Vishwa Vidhyalaya, Anjora, Durg during 9-11 November 2016.



- The Indian Association of Veterinary Public Health Specialist (IAVPHS) has conferred its prestigious Fellow award to Dr. J. B. Nayak, Asso. Prof.

Dept. of Veterinary Public Health, Veterinary College, Anand on 21 November 2016 during XIV Annual Conference & National Symposium organized at Udaipur. Dr. Nayak received the award from Hon. Dr. R.H. Rahman DDG (Animal Science), ICAR and Prof. (Dr.) Col. A.K. Gahlot Hon. VC, RAJUVAS, Bikaner in presence of Dr. U. S. Sharma, Hon. VC, MPUAT, Udaipur, Dr. Bhuvnesh Kumar, Director, DIHAR and Dr. Gyanendra Gongal, Scientist, WHO.

- A poster entitled 'Microalgae – a Multidirectional Tool to Combat With Climate Change' by Panpatte D.G. Harsha Shelat, Y.K. Jhala and R. V. Vyas was presented in International Conference on Food, Water, Energy Nexus in Arena of Climate Change during 14-16 October 2016 and secured 2<sup>nd</sup> Rank for Best Poster Presentation.
- A poster by the students: Kuldeep Khatri, Archana Dhole, Ankit Patel and Harsha Shelat presented in International Conference on 'Nutraceuticals and Functional Foods' secured 3<sup>rd</sup> Rank for Best Poster Presentation on 6 December 2016.



- Dr. C. P. Parmar and co-authors D.M. Patel, A.J. Dhama, K.K. Hadiya, M.T. Panchal, J.A. Patel, K.V. Buhecha and A. Killedar were conferred with the Best Paper

Award 2015-16 of SVSBT, comprising a Certificate and a Cash Prize by the Chief Guest Dr. A.K. Srivastava, Director, NDRI, Karnal for their paper entitled 'Efficacy of AI+hCG and post-AI progesterone supplementation for enhancing fertility and plasma progesterone and biochemical profile in repeat breeding cows and buffaloes'.

- Dr (Miss) Kavita R. Kurup, an outgoing graduate of Veterinary College, AAU, Anand, received the award of Outstanding Veterinary Graduate of the Year 2015-16.



- Dr. V. P. Ramani and his team received Prof. J. P. Trivedi Award-2015 (sponsored by Hari Om Ashram, Nadiad), by Hon. Parshottam Rupala, Minister of State

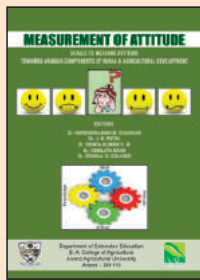
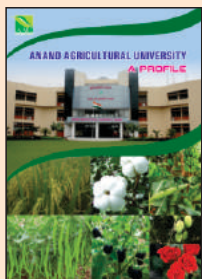
for Agriculture & Farmers Welfare, GOI, for the research on 'Management of micronutrient deficiency in soils of Gujarat in relation to soil, plant, animal and human health' during State Level Seminar on 'Sajiv Kheti ane Pashupalan' organized by Gujarat Association for Agricultural Sciences (GAAS), Ahmedabad and Kamdhenu University, Gandhinagar at Gujarat Vidyapith, Ahmedabad on 23 December 2016.

- Dr. N. M. Gohel, Asstt. Res. Sci., Dept. of Plant Pathology, BACA, AAU, Anand was awarded 'Young Scientist Award – 2016' by International Journal of Tropical



Agriculture and Serials Publications Pvt. Ltd., New Delhi in 4<sup>th</sup> International Conference on Recent Advances in Agriculture and Horticulture Sciences held at Jodhpur, Rajasthan during 30-31 December 2016.

## PUBLICATIONS BY AAU



## 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 8200 subscribers registered for this farm magazine upto December 2016.



## RETIREMENTS

### October 2016

- 1 Dr. S. J. Patel, Professor, Polytechnic in Horticulture, AAU, Vadodara
- 2 Dr. H. R. Patel, Professor, B.A. College of Agriculture, AAU, Anand
- 3 Shri B. B. Patel, Agricultural Assistant, B. A. College of Agriculture, AAU, Anand
- 4 Shri V. D. Patel, Agricultural Supervisor, Rice Research Station, AAU, Nawagam
- 5 Shri S. S. Parmar, Agricultural Supervisor, ICAR Unit, AAU, Anand
- 6 Shri B. G. Kachadia, Head Clerk, Office of the Registrar, AAU, Anand
- 7 Shri A. H. Vora, Office Superintendent, Office of the Registrar, AAU, Anand
- 8 Shri G. B. Vyas, Senior Clerk, College of Veterinary Science & AH, AAU, Anand
- 9 Shri S. R. Patel, Laboratory Technician, ICAR Unit, AAU, Anand

### November 2016

- 10 Dr. S. Parnerkar, Professor, College of Veterinary Science & AH, AAU, Anand
- 11 Shri Nitin Pujani, Laboratory Technician, College of Veterinary Science & AH, AAU, Anand
- 12 Smt. Jayshree Acharya, Laboratory Technician, College of Veterinary Science & AH, AAU, Anand
- 13 Shri J. M. Padhiar, Laboratory Technician, B. A. College of Agriculture, AAU, Anand

### December 2016

- 14 Dr. R. K. Patil, Professor, B. A. College of Agriculture, AAU, Anand
- 15 Shri G. D. Chavda, Laboratory Attendant, Dairy Science College, Anand

*Learning gives creativity, Creativity leads to thinking,  
Thinking provides knowledge, Knowledge makes you great* - Abdul Kalam

Book-Post

To



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