



AAU

NEWSLETTER

Volume : 13
No. : 1
April-June : 2016

Publication of Anand Agricultural University

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Quarterly Newsletter

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

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Message

India is predominantly an agrarian country. Agriculture and its allied sectors act as main source of livelihood for more than 70% population of rural India. It provides employment to over 60% of the population.

We all are very well aware that at the time of independence our country faced food shortage. Later on due to green revolution, we became self sufficient in food production despite of population increase. One of the important factors in success of green revolution was the role played by agricultural education and training. After independence, state agricultural universities were established in all the states to impart education in the field of agriculture and its allied sectors.



I am very happy to state that Sardar Vallabhbhai Patel and Shri K.M. Munshi established *Krushi -Go-Vidhya Bhavan* or the Institute of Agriculture at Anand in the year 1938 in the interest of farmers. Afterwards, Institute of Agriculture, Anand became a part of Gujarat Agricultural University in the year 1972. Later on Government of Gujarat bifurcated Gujarat Agricultural University into four state agricultural universities as per the Agro Climatic Zones of the Gujarat in the year 2004. Anand Agricultural University became independent university for the central Gujarat. It caters agricultural education to the youth in the areas such as agriculture, horticulture, dairy science, veterinary science, agricultural engineering, food processing technology, agricultural information technology and agri-business management.

Formal agricultural education being spread among the rural youth who are in agriculture and allied sectors as the gross enrollment ratio of the students entering into colleges in the group of 18 to 23 years is very low. It is needless to point that this ratio would be only negligible or practically nil in case of agricultural education. It is in this context that the distance education which can provide opportunity to have higher education in the field of agriculture is quite desirable.

I am extremely proud to express that Anand Agricultural University has started Institute of Distance Education Anand (IDEA) in the year 2012 with a prime objective of undertaking the distance education in the field of agriculture in the Gujarat State for providing master degree programme in Agricultural Journalism and Agricultural Marketing to the agricultural graduates. At present six students are graduated and 10 students are pursuing their studies.

It is indeed a matter of great pleasure that Anand Agricultural University has started 'Diploma in Agricultural Extension Services for Input dealers (DAESI)' for the first time in Gujarat in the year 2012 with a prime objective of transforming input dealers into professionals and enabling them to serve the farmers better, thereby strengthening the agricultural extension system. Total 154 input dealers have been trained under this Diploma program since 2012.

Distance education being a flexible process of learning has been seen as the demand of the time and in years to come, it would undoubtedly be amongst the mainstream educational methods. AAU has taken up a few steps in the direction of this kind of flexible learning and it would surely be a huge contribution in elevating career path of hundreds of aspirants in future.

(N. C. Patel)
Vice Chancellor



Inaugural Function of *Krushi Mahotsav* Mega Event 2016

As a part of *Krushi Mahotsav*, a mega event was celebrated with combined efforts of the State Government, Anand District Administration and Anand Agricultural University during 9-10 May 2016 at Anand Agricultural University, Anand.

An inaugural function of *Krushi Mahotsav* mega event 2016 for central Gujarat was organized at *jimkhana* ground, AAU, Anand on 9 May 2016. Dr. N.C.Patel, Vice Chancellor shared the dais with Shri Babubhai Bokhiriya, Hon. Cabinet Minister for Agriculture, Shri Chhatrasinh Mori, Hon. State Minister for Food & Civil supplies; Shri Pankaj Desai, Hon. Chief Whip, Shri Babubhai Jebaliya, Chairman, Gujarat Agro Industries Corporation, Hon. MPs, Shri Dilipbhai Patel, Shri Lalsinhbhai Vadodiya and Shri Devusinh Chauhan and other Hon. members of state legislative assembly.



Hon. CM Smt. Anandiben Patel Inaugurating the Agricultural Exhibition

On the eve, various cultural programs were organized. Several ministers addressed the gathering. On arrival at Anand, first Mahila Chief Minister, Hon. Smt. Anandiben Patel, after performing the holy 'Balram Pooja' inaugurated the agricultural exhibition. Then along with Vice Chancellor and Agriculture Minister, she visited various stalls and interacted with progressive farmers and scientists.



Hon. CM Smt. Anandiben Patel Visiting the Agricultural Exhibition Stall



Selling of Agricultural Produce to Farmers during Mega Event

After inaugurating *krushi* exhibition, the Hon'ble Chief Minister arrived at main farmers' dome where she was greeted and gifted with mementoes by various ministers, Hon. VC of AAU, officials from different district and taluka panchayat, dairy & APMC's officials, progressive farmers and social workers.

The Hon'ble Chief Minister then awarded the progressive farmers, distributed cheques to various beneficiaries and also released four books on agricultural technologies



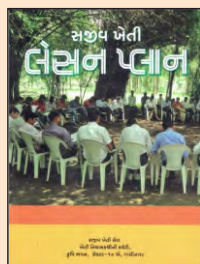
Presentation of Memento to Hon. CM Smt. Anandiben Patel by Dr. N.C. Patel, Hon. VC, AAU, Anand



Release of Publications during *Krushi Mahotsav 2016*

prepared and published by AAU, Anand.

Moreover, two books named '*Pradhanmantri Fasal Bima Yojana Amalikaran Mateni Margdarshika*' and '*Sarvagrahi Krushi Niti-2016*' published by Directorate of Agriculture and Gujarat Agro Industries Corporation, Gandhinagar were released on this occasion.



Hon. CM delivered a speech to the farming community on various topics such as organic farming, farming as an industry, Loan/Subsidy, marketing, drip irrigation, control measures for nilgay/pig/rose etc. She also declared to establish Organic Farming University in the state.

Seminars on major topics such as animal husbandry and cooperation, Horticulture and cooperation, Agril marketing management etc. were organised during these two days. The



experts of related topics provided the guidance to the farmers and solved their queries.

The following progressive farmers shared their farming experience with the audience during mega event inauguration

Sr. No.	Name of Progressive farmer	Topic
1	Shri Vanrajsinh Dilipsinh Chauhan Po. Bavariya, Ta. Shinor, Dist. Vadodara	Organic Farming
2	Shri Ketanbhai J. Patel Po. Boriya, Ta. Petlad, Dist. Anand	Banana Farming
3	Smt. Kinnariben Rakeshbhai Patel Po. Pandoli, Ta. Petlad, Dist. Anand	Animal husbandry
4	Shri Dipen Shah Po. Kunjra, Ta. Dist. Anand	Drumstick Farming & Value addition
5	Shri Devesh Patel Po. Boriyavi, Ta. Dist. Anand	Turmeric & Zinger Farming & Organic Farming

During the mega event, AAU products viz., *Anubhav* brand, Bio-fertilizers, *Trichoderma*, Mineral mixture, Vermicompost, Seed crops etc. tissue culture plants, medicinal products, dairy products (candy, ice cream etc.) and bakery products were offered for sale on nominal/ special discounted price to the farmers. Besides this, literature in the form of folders and pamphlets on various subjects was also distributed to the farmers.

The state ministers, Government officials and officers of various line departments of the state Government also accompanied the group of scientists at various villages during seminar and agricultural exhibition cum sale.

The agricultural exhibition was scaled into five theme based domes. Total 60 stalls were set with different agricultural technologies by Anand Agricultural University and different line departments of the Gujarat state. Live demonstrations were made available to the visitors by LCD projectors. This exhibition was kept open for two days and more than 20,000 farmers took benefit of this exhibition.

Krushi Mahotsav is a knowledge sharing rendezvous event for farming community of Gujarat. It is a fortnight to month



long event that brings together the farmers, scientists, Government officials and many more individuals concerned with agriculture. This Mahotsav generally begins on the auspicious planetary affluence of 'Akshay Tritiya (Akhatrij)', a day for worshipping Balramji, thou God of farmers. As a preparation part of the *Krusha Mahotsav*, an orientation training program was conducted for the participating scientists on 12 May 2016. The guidance on various subjects was given by various experts to the participating scientist in the *Krusha Mahotsav*. The literature was also provided to them as reference.

This event facilitates the seamless flow of knowledge from agricultural research labs to land. The Twelfth *Krusha Mahotsav* was celebrated by the state for 23 days from 9-31 May 2016.



Inauguration of Seminar and Exhibition cum Sales during *Krusha Mahotsav* 2016 in Vadodara District by Dr. N. C. Patel, Hon. VC, AAU, Anand

During this *Krusha Mahotsav*, total 16 seminars and exhibition cum sales were organized based on seats of District Panchayat in 66 talukas of central Gujarat. Total 231 scientists were engaged to facilitate the process of knowledge sharing in these exhibition-cum-seminars. During the seminar, the team of expert scientists related to Agriculture, Horticulture, Animal Husbandry, Dairying, Food Processing, Agril. Engineering etc. explained the latest

developments in various fields (agronomy, plant protection, farm implements, water conservation, irrigation methods, bio-fertilizers, bio-pesticides, bio control of insects/pests, cultivation practices, medicinal and aromatic plants, horticulture, animal husbandry, surgical operation, clean milk production, cattle feed, mineral mixture, fisheries, green/net/poly house etc.) for adoption with a view to earn more profit and better livelihood. The Scientists also provided guidance and possible solutions on the spot for the problems and queries posed by the farmers/animal keepers. The agricultural exhibition cum sale was organized at the seminar place with 10 stalls. Sale of seeds, liquid biofertilizer, mineral mixture, *trichoderma* culture at nominal rates was arranged for the farmers by AAU.

Sr. No.	District	No. of Seminars Organized	Guidance to Farmers by Scientists during Seminars	No. of Scientist Participants
1	Ahmedabad	02	11732	25
2	Anand	01	6458	15
3	Botad	01	4650	25
4	Chhotaudepur	02	10311	25
5	Dahod	02	20007	25
6	Kheda	02	20465	25
7	Mahisagar	02	20838	25
8	Panchmahal	02	7390	25
9	Vadodara	02	8300	25
Total		16	110151	215

ANNUAL ZONAL WORKSHOP FOR KVKs AT AAU, ANAND



Release of Farm Literature by Dr. N. C. Patel, Hon. VC, AAU during Annual Zonal Workshop for KVKs at Anand

A three days Annual Zonal Workshop for Krishi Vigyan Kendras (KVKs) of Rajasthan and Gujarat states was organised during 2-4 May 2016 by ICAR-Agricultural Technology Application Research Institute (ATARI), Jodhpur at Anand Agricultural University at Anand (Gujarat). In the inaugural session, Dr. P. P. Patel, DEE, AAU, Anand welcomed all the delegates. Dr. S. K. Singh, Director, ATARI,

Jodhpur gave an introductory remark on the workshop and gave an overview on centrally sponsored schemes and projects being executed in Rajasthan and Gujarat.

The Chief Guest & Hon'ble DDG (Agril. Ext.) ICAR, New Delhi, Dr.A.K.Singh, narrated that annual workshop is a learning platform since science is growing and exchanging here. He emphasized empowering of KVKs by recruiting experts on the priority basis to enhance the performance of KVKs. Since KVKs are the technology focused institute, there is a need to fine-tune the important on-farm trials. He appealed to develop the joint action plan of KVKs with Agricultural Technology and Management Agency (ATMA) and other departments to avoid the duplication and dilution of efforts at district level. He advised KVKs to be equipped with the planting materials/seed for farmers. He also emphasized on the climate change and water management issues.

Dr. N. C. Patel, Hon. VC, AAU in his presidential address, expressed gratitude to ICAR for giving the opportunity to hold the workshop at Anand. He added that expectations from KVKs are rising which dilute the efforts of KVK staff. He emphasized to reduce cost of cultivation while using limited natural resources. He stressed to assess impacts of Transfer of Technology Program by KVKs and SAUs. He informed that the importance of micro-nutrients is realized in the Gujarat state. He expressed his concern over post-harvest technologies to generate the income and employment, importance of information technology and Community Radio for inclusive agricultural growth.

Directors from five ICAR institutes i.e., IIPR, Kanpur, CIAH, Bikaner; DGR, Junagadh; DRMR, Bharatpur, and NRCSS, Ajmer actively participated and show presentations on the agricultural technologies suited to KVKs of the region. Seventy One KVKs and 11 Directors of Extension Education (DEEs) from State Agricultural Universities (SAUs) participated and presented the achievements of KVKs. Directors, Research & other staffs of AAU, Anand and ATARI, Jodhpur also participated in the workshop.

VALEDICTORY FUNCTION OF DEASI, IDEA AT ANAND

'Diploma in Agricultural Extension Services for Input Dealers' (DAESI) course was completed during April 2016. Total 45 Input dealers from various input agencies like seeds, fertilisers, pesticides etc. from Gujarat region were enrolled in DAESI course. This Diploma course on distance mode was framed in eight modules including field visits with 32 contact sessions. Dr.K.B.Kathiria, DR, Dr. P.M.Bhatt and Smt. M.C.Patel took keen interest to make this course a grand



Release of *Safal Varta*, Dictionary and Activities & Achievements by Dr. N.C. Patel, Hon. VC at Valedictory Function of DEASI, IDEA at Anand

success. The valedictory function was organised on 2 June 2016 under chairmanship of Hon. VC, Dr. N.C.Patel. Dr.K.B. Kathiria, DR, Dr. M.N.Brahmbhatt, Registrar, and Dr. P.M.Bhatt, Director (IDEA) remained present. Diploma certificates were awarded to 45 successful input dealers. For fifth batch, new 45 input dealers have been enrolled this year.

At IDEA, PG programs are also being run through distance mode for M.Sc in Agril. Journalism and Agril. Marketing.

12TH JOINT AGRESO MEETING OF ANAND AGRICULTURAL UNIVERSITY

The 12th Joint AGRESO Meeting of Anand Agricultural University was held on 4 April 2016 in august presence of Hon. VC, Dr. N. C. Patel as President of the function; Dr. K. B. Kathiria, DR; Dr. D. C. Joshi, Principal and Dean, FPT & BE; Shri B. U. Parmar, Joint Director of Horticulture, Vadodara and Dr. D. M. Korat, ADR (Agri.), AAU, Anand.



Hon. VC, Dr. N. C. Patel released a folder on '*Rupio vavo, dollar lano*' during the function. He congratulated the Director of Research for intine conduct of the research sub-committee meetings. He emphasized to develop clear, time bound vision for research on current problems like maintenance of original seeds in BT era, pink ball worms etc. He also advised the scientists to work on water use efficiency through microirrigation, saving input cost, effective use of energy, climate change etc. to increase the state and national productivity of agricultural produces. He also advised to

deliver the latest package of practices of different crops to the farmers.

Director of Research congratulated the conveners of different sub-committees of AGRESKO for conducting efficiently the meetings and bringing out good number of quality recommendations and new technical programs for future research. He informed the house about the endorsement of *Guinea Grass variety CO (GG) 3* as well as release of *Forage Sorghum variety-Gujarat Anand Forage Sorghum 12 (GAFS 12)* and *Kodo millet (Kodra) variety Gujarat Anand Kodra 3 (GAK 3)*.



Guinea Grass variety CO (GG) 3



Gujarat Anand Forage Sorghum 12 (GAFS 12)

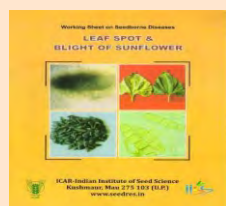
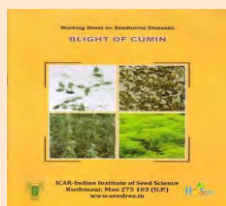


Gujarat Anand Kodra 3 (GAK 3)

RELEASE OF OF WORKING SHEETS OF AAU AT KAU, COCHI



Release of Working Sheets by Dr. Trilochan Mohapatra, Hon. Secretary, DARE and DG, ICAR at KAU, Cochi



Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE and DG, ICAR, New Delhi, released Working Sheets on 'Seed-borne Diseases: Blight of Cumin' prepared by R. N. Pandey, N. M. Gohel, R. G. Parmar, Dept. of Plant Pathology, BACA, AAU, Anand and M. S. Bhale, JNKVV, Jabalpur as well as Working Sheet on Seed-borne Diseases: Leaf Spot & Blight of Sunflower, prepared by S. R. Zanjare, S. B. Gawde, MPKV, Rahuri, M. S. Bhale and R. N. Pandey; Published by ICAR-

Indian Institute of Seed Sciences in presence of Dr. Sajan Kurien, Director of Research, KAU, Thrissur; Dr. Rajendra Prasad, Director, ICAR-IISS, Mau; Dr. P. Rajendran, Vice Chancellor, KAU, Thrissur;; Dr. J. S. Chauhan, ADG (Seed), ICAR, New Delhi; Dr. V. S. Devadas, ADR (Seed), KAU, Thrissur on the occasion of XXXI Annual Group Meeting of AICRP- NSP (Crops) organized by KAU, Thrissur at Cochi during 19-21 April 2016.

WORLD VETERINARY DAY CELEBRATION BY AAU



- College of Veterinary Science and Animal Husbandry, AAU, Anand celebrated World Veterinary Day on 30 April 2016. The inaugural function was

presided over by Dr. V. M. Mehta, Former VC, Gujarat Agricultural University (GAU) and Dr. G. K. Sharma, General Manager (Animal Health), National Dairy Development Board (NDDB), Anand was guest of honour. Dr. C.G. Joshi, In-charge Dean and Principal, Veterinary College welcomed the guests, teaching faculty and the students.

- A free clinical camp was organized on this occasion at Teaching Veterinary Clinical Complex which received overwhelming response. Total 157 dogs were dewormed, administered prophylactic anti-rabies vaccines, their ear canals were cleaned and nails were trimmed. Moreover, cows, buffaloes and goats were dewormed and the animal owners were provided with mineral mixture.



- Krushi Vigyan Kendra, Devataj celebrated World Veterinary Day on 30 April 2016. Dr. Pankaj Gaikwad, Veterinary Officer (Maghrol) was invited as a Guest

for this program. Dr. G.G. Patel, Senior Scientist & Head of KVK welcomed all the livestock farmers. He suggested farmers to go for scientific livestock farming for more profit.

- Dr. S.B. Katole, Scientist (Ani. Sci.) discussed about the role of animal nutrition in animal husbandry, vaccination and agriculture, deworming, role of bypass nutrients etc. for increasing production. He informed the farmers about the theme of World Veterinary Day and how veterinary officers continually focus on increasing their expertise on 'One Health Concept' such as zoonotic diseases, food safety or antimicrobial resistance and how they collaborate with the human health sector to tackle these issues. He also told the farmers how to avoid the spread of zoonotic diseases.

Invited guest Dr. Pankaj Gaikwad addressed the farmers regarding various schemes of State Government for livestock farmers such as subsidy on chaff cutter, milking machine, cattle shed, goat unit etc. He also discussed about the health aspect of animal husbandry.

Mrs. A.B. Parmar, Scientist (Horti.) discussed about the various horticultural crops and organic farming, preparation of farm yard manure, vermi-compost etc. Progressive farmer Mr. Deepakbhai C. Patel of village Israma shared his experiences on net house and organic farming. The scientists of KVK Devataj interacted with farmers and solved the queries about the animal husbandry as well as agriculture. Total 50 livestock farmers participated.

TRAINING WORKSHOP FOR OFFICERS OF NDRF AT VETERINARY COLLEGE, ANAND

The training workshop for officers of NDRF from all over India on 'Management of Animals in Emergencies' under Veterinary Emergency Response Unit (VERU), West Zone, India was organized at Veterinary College, AAU, Anand during 25-30 April 2016. The workshop was inaugurated by Shri K. M. Singh, Former member NDMA and President, PPF, New Delhi. Dr. K. B. Kathiria, DR, AAU, Shri Gajendra Sharma, Country Director, World Animal Protection and Shri R. S. Joon, Commandant, National Disaster Response Force, 6th Battalion, Gandhinagar graced the function. Mr. Hansen T. Prem, Project Manager and Dr. Aakash Maheswari, Technical Officer from World Animal Protection, New Delhi conducted training sessions. Dr. C. G. Joshi, I/c



Dean and Principal of the college welcomed all the dignitaries and explained about establishment of West Zone, India, VERU centre at Anand. The Organizing secretary and Co-ordinator, VERU (West Zone), Dr. R. S. Joshi briefed about the activities of VERU, about the workshop and also proposed vote of thanks. The 36 Officers of NDRF from 12 Battalions from all over India participated in the workshop and learnt about various modules to be performed during and after disaster for management of animals in emergencies.

STATE LEVEL SEMINAR AT RRS, ANAND



Inauguration of State Level Seminar by Dr. N. C. Patel, Hon. VC, AAU at RRS, Anand

One day state level seminar on 'Quality Seed Production and Distribution Management' was organized by Regional Research Station, AAU, Anand on 17 May 2016. A large number of Seed Producing farmers, Agricultural Input Dealers, Members of Farmers' Cooperatives and Scientists of seed producing centres of AAU participated in the seminar. Dr. N. C. Patel, Hon. VC, AAU graced the function and Dr. K. B. Kathiria, DR, AAU and Dr. K. P. Patel, Dean, Faculty of Agriculture were the Guests of Honour on the occasion. Dr. A. D. Patel, Nodal officer (Seed) & Research Scientist, RRS, AAU, Anand and Prof. J. S. Doshi, Asstt. Prof. (Agril. Engg.) delivered lectures related to Quality Seed Production, Processing and Distribution. An interactive session inviting views and experience of Seed Producing farmers was also fruitfully organized.

REVIEW MEETING AT KVK, ANAND

The Bi monthly review meeting of KVKs of central Gujarat was held on 9 June 2016 at Krishi Vigyan Kendra, Devataj. The meeting was presided over by Dr. P.P. Patel, DEE, AAU, Anand. Senior Scientist & Head of all six KVKs presented their progress reports.



STRENGTHENING POSTGRADUATE EDUCATION

For better administration of Postgraduate education, following measures were taken by the office of Director of Research & Dean P.G. Studies :

- Drafting and Revised Common Academic Regulations for Postgraduate programs.
- Development and execution of online Postgraduate Information System (PGIS) for better monitoring of P.G. Programms in collaboration with Directorate of Information Technology.
- Finalizing the Formats for Postgraduate Thesis and Synopsis for uniformity and better presentation of these technical documents.
- Streamlining teaching activities for compulsory non-credit courses.
- Monitoring and follow-up of timely submission of synopses.

PG RESEARCH

On the basis of partial 16S rRNA gene sequencing, three plant growth promoting rhizospheric bacteria from medicinal plant identified as *Sphingomonas aquatilis* MPR1 (NCBI Accn, no. KX110354), *Streptomyces violaceorubridus* MPR2 (NCBI Accn, no. KX110355) and *Bacillus endophyticus* MPR3 (NCBI Accn, no. KX110356) and gene sequences were submitted to National Center for Biotechnology information, USA.

MoU BETWEEN AAU & NRC, HYDERABAD



MoU has been signed between Anand Agricultural University, Anand and National Research Centre on Meat, Hyderabad on 17 June 2016 for facilitating collaborative research

activities.

DISTINGUISHED VISITORS



- Prof. Vijay Singh Tomar, Hon. VC & Director Research Services of Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur visited Anand Agricultural University, Anand during 20-22 May 2016. They visited Sardar Patel

Agricultural Educational Museum, Dept. of Microbiology, Dept. of Plant Pathology, Medicinal & Aromatic Plants Research Station, Plant Tissue Culture Laboratory and Dept. of Agri. Biotechnology, Regional Research Station, Pesticide Residue Laboratory, Vidya Dairy, Directorate of Information Technology, College of FPT&BE and Dept. of Animal Biotechnology. They were impressed by the activities of AAU and showed keen interest for collaborative programs for agricultural research and education. They had an interaction meeting with the Hon. VC Dr. N. C. Patel and all the Uni. Officers, Deans and HoDs of selected departments / centres of the University which was followed by discussion on various areas on which collaborative educational and research programs can be taken up jointly. This meeting was shared through video conference of both the University groups.

- Mr. Mamadou Mouctar Savane, Founder, Mahatma Gandhi University with Mr. Madiou Sow, Advisor to Minister of Higher Education and Scientific Research;



Mr. Momo Bangoura, National Director of Higher Education and Mr. Ahmed Amara Konate, VC, Mahatma Gandhi University, Guinea Conakry visited AAU, Anand on 1 June 2016. They had an interaction meeting with the Hon. VC Dr. N. C. Patel; Dr. K. B. Kathiria, DR; Dr. K. P. Patel, Dean, Faculty of Agriculture and Dr. M. K. Jhala, ADR (Ani. Sci.), AAU, Anand. Dr. M. K. Jhala made a brief presentation about AAU and its activities, which was followed by discussion on various areas on which collaborative educational and research programmes can be taken up jointly. They then visited Sardar Patel Agricultural Educational Museum, Plant Tissue Culture Laboratory, Dept. of Agricultural Microbiology and Poultry Complex.



- Delegation of Guinea Conakry - Africa visited Central Laboratory of Excellence on Agriculturally Beneficial Microorganism

s and Liquid Biofertilizer Production Plant on 1 June 2016. They were informed about 'Anubhav' Liquid Biofertilizers and their thriving use in various crops.



- Hon'ble Deputy Vice Chancellors of University of Southern Queensland, Australia, Prof. Mark Harvey (Research and Innovation) and Mr. Carl Rallings (Students and Communities) visited

Anand Agricultural University, Anand on 21 June 2016. They had an interaction meeting with the Hon. VC, Dr. N. C. Patel, University Officers, Deans / Directors and HoDs of Anand campus. Dr. M. K. Jhala made a brief presentation about AAU and its activities, which was followed by discussion on various areas on which collaborative educational and research programs can be taken up jointly. They then visited Sardar Patel Agricultural Educational Museum, Plant Tissue Culture Laboratory and Pesticide Residue Laboratory. They were impressed by the activities of AAU and showed keen interest for collaborative programmes for agricultural research and education.

- Shri Sunil Patel & Shri Ravi Deshmukh (Office of the Hon. C.M.) visited Sardar Patel Agricultural Educational Museum, AAU, Anand on 29 June 2016.



DEMONSTRATION OF MILKING MACHINE AT L.R.S., VETERINARY COLLEGE, ANAND



Livestock Research Station, College of Veterinary Science and A.H., AAU, Anand organized a demonstration of a milking machine on 24 May 2016. The event was graced by the presence of Hon. VC, Dr N.C. Patel. Other dignitaries remained present on this occasion were Prof. M. C. Varshneya, VC, Kamdhenu University, Dr. K. B. Kathiria, DR & Dean PG Studies; Dr. M. K. Jhala, ADR (Ani. Sci.); Dr. D.M. Korat, ADR (Agri.); Dr. A. M. Thaker, Principal & Dean, Veterinary College; Dr. K. P. Patel, Principal & Dean, B .A. College of Agriculture; Dr. J. B. Prajapati, Principal & Dean, Dairy Science College; Dr. Y. C. Zala, Principal & Dean, IBM College; Dr. D. R. Kathiria, DIT; Dr. S. H. Akbari, DSW, Dr. A. D. Patel, Unit officer, RRS. Technical staff of Veterinary College also attended this demonstration. Dr. S. V. Shah, Asso. Research Scientist & Head, Livestock Research

Station explained in details about working and importance of this machine in achieving clean milk production.

KISAN PATHSHALA & KRUSHI PRADARSHANI AT KVKs OF AAU



- One day *Kisan Pathshala & Krushi Pradarshani* under *Pradhan Mantri Fasal Bima Yojana* was organised at KVK, Devataj on 2 April 2016. The Chief Guest of this program was Hon. MP, Shri Dilipbhai M. Patel. Dr. N.C. Patel, Hon. VC, AAU, Anand acted as a Chairman. Special invitee for this program was Mr. Poonambhai Parmar, Hon. MLA of Sojitra Taluka. Shri Dipeshsinh M. Mahida, Chairman of Sojitra Taluka Panchayat, Shri Vipulbhai Patel, Deputy Chairman-Anand District, Dr. V.R. Boghra, ADEE, AAU, Shri P.N. Shukla, DDH and Mrs. Shefali Vaidya, Asst. Manager, Agriculture Insurance Company, Ahmedabad graced the occasion. More than 500 farmers and farm women participated in the function.
- To create awareness amongst the farmers on Pradhan Mantri Fasal Bima Yojna, a '*Khedut Pathshala cum Krishi Pradarshan*' was organized by KVK, Dahod. The function was inaugurated by Shri Bachubhai Khabad, Hon. Minister of Fisheries (State), Forestry and Environment, GoG. Shri Jaswantsinh Bhabhor, Hon. MP was the President of this function. The Guest of Honour of this function was Shri A.S. Patel, DDO, Dahod and Dr. V.R. Boghra, ADEE, AAU, Anand. Smt. Chandrikaben Baria, Hon. MLA (Garbada), Shri Rameshbhai Katara, Hon. MLA (Fatepura), Shri Kanaiyalal Kishori, Chairman, APMC, Dahod and different officers of line Dept. and AAU, Dahod were also present as invitee members for this function. Total 132 officers, extension functionaries, bank officials and 900 farmers / farm women participated in the function.



TRAINING ON ORGANIC FARMING AT BACA, ANAND



A special five day training program on Organic Farming was organized by the Dept. of Agronomy, BACA, AAU, Anand from 27 June 2016 to 1 July 2016. Total 28 participants from various part of the Gujarat state attended the training program.

FIELD DAY CUM INTERACTION MEETING BY KVK, DAHOD

Krishi Vigyan Kendra, Dahod organized two 'Field day-cum-interaction meetings on Green gram (Vari. GAM-5)' under cluster based FLDs at village Masi Toyani, (Ta. Limkheda) on 11 May 2016 and Bordi Sarkari (Ta. Dahod) on 20 May 2016. Dr. U.M. Patel, Senior Scientist cum Head, KVK, AAU, Dahod delivered a lecture on advantages of different improved varieties of green gram released for this region. Through these FLDs, improved production practices along with yield potential of newly developed green gram variety GAM-5 were demonstrated at farmers' fields. During the interaction, various queries of farmers regarding production and value addition of green gram crops were discussed and resolved by scientists of KVK.

VOCATIONAL TRAININGS FOR RURAL YOUTH AT KVK, AHMEDABAD

KVK, Ahmedabad organized two vocational trainings on value addition (Bakery product) and Soft toys making for rural youth during 10-13 May 2016 and 7-10 June 2016, respectively. Total 84 rural youth participated in these trainings.



NUTRITIOUS RECIPE COMPETITION ORGANIZED BY KVK, AHMEDABAD



KVK, Ahmedabad organized nutritious recipe competition in Bhumbhali and Kesargadh villages for rural youth on 23 May 2016. Total 22 rural girls participated in this competition and four winners were awarded.

METHOD DEMONSTRATIONS BY KVK, ANAND

Krishi Vigyan Kendra, Anand organized two method demonstration programs on 'Preparation of Jivamrut' in collaboration with Regional Center of Organic Farming, Nagpur



under 'Sansad Adarsh Gram Yojna' on 1 June 2016 at Bechri and Maghrol villages. More than 50 farmers and farm women actively participated in each program.

TRAINING PROGRAM AT COLLEGE OF AGRICULTURE, JABUGAM



College of Agriculture, AAU Jabugam arranged a training program for women farmers in collaboration with ATMA, Chhotadepur on 7 June 2016. Dr. Sunil R. Patel gave brief introduction of Jabugam campus & extension activities of AAU. The topics like SHGs for income generating activity, kitchen gardening and demonstration for preparation of tomato ketchup were included in the training. Total 58 women of nearby villages participated.

DEMONSTRATIONS UNDER SARDAR SAROVAR PROJECT BY PRS DABHOI

Demonstrations on paddy varieties (GAR-13 & 'Mahisagar') were organized on 13, 17 and 21 June 2016, respectively by Sardar Sarovar Project at Paddy Research Station, Dabhoi. The distribution program was arranged at Nada, Mavli, Boriyad, Timbi Akotadar villages by Shri R. L. Chotaliya, Unit Head. Total 60 beneficiary farmers were given the kits.



IWM AWARENESS PROGRAM UNDER TSP AT DAHOD

One day awareness training program on Integrated Weed Management under Tribal Sub Plan (TSP) was organized at Krishi Vigyan Kendra, Dahod on 14 June 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. Spraying method of herbicide was demonstrated and ASPEE sprayer pumps, plastic shields, flat fan nozzles and measuring cylinders were distributed to the farmers.



TRAINING PROGRAMS UNDER SSK, ANAND



- Three Days Training Program was organized by Sardar Smruti Kendra for a group of Animal Husbandry Development Khand,

Goarela Dist – Bilaspur (Chhattisgarh) during 10-13 May 2016

- Five Days Training Program was organized at SSK, Anand for a group of Institute on Management of Agriculture Extension, Dist. Bhubaneswar (Odisha) during 25-29 May 2016. Dr. Mukesh R. Patel and his staff facilitated the training program.



- Three Days Training Program was organized at SSK for a group of farm women, ATMA Project, Dist – Gir (Somnath) during

13-15 June 2016.

- Two Days Training Program was organized at SSK for farmers Group of Shikshan and Samaj Kalyan Kendra Dist – Amreli during 14-15 June 2016.



TRAININGS ON IPM AT BACA, ANAND



Under the scheme 'Integrated Pest Management' supported by State Government, two IPM trainings were conducted during April to June, 2016

at Department of Entomology, BACA, AAU, Anand. Total 88 farmers participated from Ahmedabad and Bharuch districts.

TRAINING PROGRAM BY MMRS, GODHRA

Main Maize Research Station, AAU, Godhra organized training program for tribal farmers of Panchmahal district on 21 June 2016 at Sagavada village of Morva (H) taluka. Prof. K.H.Patel, Dr. P.K.Parmar and Dr. B.N.Thakkar gave information to the farmers about scientific cultivation of maize, seed production technologies as well as benefits of FLDs.



AWARENESS PROGRAM ON CONSERVATION OF ENERGY IN AGRICULTURE AT KVK, ANAND

Krushi Vigyan Kendra, Devataj organized Awareness Program on 'Conservation of Energy in Agriculture' on 24 June 2016. This program was organized in collaboration with



Anand Cooperative Union Ltd. and Petroleum Conservation Research Association. About 50 farmers of different villages participated in the program. Shri Sureshbhai S. Patel of Anand District Cooperative Union Ltd. and Mr. Dineshbhai K. Gandhi of PCRA, Vadodara were the guests on this occasion.

A KHEDUT SHIBIR BY BTRS AT DEVGADHBARIA



A khedut shibir on soybean crop under Tribal Sub Plan was jointly organized by ICAR-CTRI, Rajahmundry and Bidi Tobacco Research Station, Anand Agricultural University, Anand on 22 June 2016 at

Tribal Research-cum-Training Centre, Devagadhbaria for upliftment of the farmers of tribal area in the state.

Chief Guest Dr. P. P. Patel, DEE, Dr. H. R. Patel, Unit Officer, BTRS, Anand and Dr. G. J. Patel, Unit Officer, TRTC, AAU, Devgadhbbaria inaugurated the Khedut Shibir.

UDAAN 2016 AT BACA, AAU, ANAND



Inaugurating of UDAAN 2016 Program by Dr. N. C. Patel, Hon. VC, AAU

B. A. College of Agriculture celebrated its 64th Annual Day 'UDAAN 2016' on 20 April 2016 at BACA Auditorium. The Prize Distribution Function was presided by the Hon'ble Vice Chancellor Dr. N. C. Patel. Saint Bhagvant Param Pujya Sahebji, President, Anupam Mission, Mogari as a Chief Guest graced the function with his presence. Other esteem guests too embellish the event were Dr. K. B. Kathiria, Director of Research and Dean, PG Studies and Dr. S. H. Akbari, Director, Students' Welfare. All the distinguished guests awarded the trophies to the winners and blessed them.



BLOOM-2016 : FIFTH ANNUAL DAY OF SHETH M C POLYTECHNIC IN AGRICULTURE, ANAND

Various activities were organized by the students of SMC Polytechnic in Agriculture, AAU, Anand under 'BLOOM-2016' on 12 May 2016. Various cultural events like dance, songs, drama, fish-pond etc. were performed by the students.

The Annual day BLOOM-2016 was inaugurated by Hon. VC, Dr. N. C. Patel with Dr. K. B. Kathiria, DR; Dr. K. P. Patel, Principal & Dean (Agriculture) and Dr. S. H. Akbari, DSW. The Hon. VC of AAU congratulated the students for their



Inauguration of Bloom 2016 Program by Dr. N. C. Patel, Hon. VC, AAU

achievements and conveyed the importance of moral values like politeness, truth and characters with higher education in their life for growth and development of their bright career. He also blessed for their bright future with present needs of world in agriculture and how polytechnic students can give their best contribution to the society not only as job seekers but also as job providers. The other dignitaries also gave their blessings to the students.

Certificates for participation in N S S Special camp and various sports events were



SPROUT-16 : ANNUAL DAY AT FPT&BE, ANAND

The 7th Annual Day of the College of Food Processing Technology & Bio-Energy was celebrated on 10 May 2016. Dr. N.C. Patel, Hon. VC, AAU presided over the function. Shri Suraj Savalia, Chairman & Managing Director, Patson Foods



(India) Pvt.Ltd., Navsari was the chief guest of the evening. Dr. S.H. Akbari, DSW and Dr. K.B. Kathiria, DR, AAU were the Guests of Honour. On this occasion, the college magazine FOOD TECHNICA was released. The prizes for the winners of all the college events were also distributed. The cultural night where the students performed songs, dance, drama etc was followed by the formal function. The program was concluded with DJ night performance and dinner.

UMANG-16 : FOURTH ANNUAL DAY CELEBRATION AT VASO

Fourth Annual Day 'Umang-16' was organized by College of Agriculture, AAU, Vaso during 18-19 April 2016. On this occasion, Hon.VC Dr. N. C. Patel remained present as a President of the function. Shri K. K. Nirala(IAS), Collector, Kheda was present as a Chief Guest, Dr K.B. Kathiria, DR, AAU, Dr. K.P.Patel, Principal and Dean, BACA and Dr. S. H. Akbari, DSW, AAU remained present as Guests of Honour. The Heads of Departments of various faculties of AAU as well as retired scientists also remained present in this ceremony. Different events like One minute, Quiz competition, Tug of War, Dumb Charades and Antakshari were performed. In evening session, cultural program was organized by the students of college. Certificates and Medals were distributed to the students who participated and ranked positions in different competitions during the year.



PLACEMENT ACTIVITIES BY AAU

The placement activity was carried out at SMC Polytechnic in Agriculture, AAU, Anand for the final year students. The executives from the company / firm (s) viz., Vircozyme, Amino based EDDHA micronutrients,



Anand; Global Green Agri Nova, Bangalore; Cosmo Pvt. Ltd., Bayad and Narmada bio-chem Fertilizer Ltd., Ahmedabad interviewed the students.



- The campus interview was conducted by Captain Tractors Pvt. Ltd., Rajkot and Jain irrigation Systems Ltd.,

Jalgaon at College of Agricultural Engineering and Technology, AAU, Godhra on 9 and 13 June 2016 respectively. Six B. Tech (Agril. Engg.) students and one M. Tech (SWE) student were selected by Jain irrigation systems Ltd. Moreover, Five B. Tech. students were selected in Tirth Agro Industries (Shaktiman Rotavator), Rajkot. Dr. R. Subbaiah, Principal, CAET, Godhra congratulated all the selected students and conveyed his best wishes for their future career.

EYE CHECK UP CAMP AT AAU, ANAND

An Eye Check up camp was organized on 8 June 2016 at Auditorium Hall, B.A. College of Agriculture by Directorate of Students' Welfare in association with Sankara Eye Hospital, Anand. Total 70 persons



including officers, staff members and students took benefit of this Eye Screening Camp for diagnosis of eye number, Retina, Cornea, Glaucoma etc.

CELEBRATION OF INTERNATIONAL YOGA DAY BY AAU



- Four days Yoga Camp was organized with the purpose of preparation for International Day of Yoga during 16-19 June 2016 at University Bhavan, Anand Agricultural University. fifty persons including University Officers, staff members, students and family members remained present. Various *yogasans* like *Vrukshasan*, *Tadasan*, *Ushtrasan*, *Trikonasan*, *Bhujangasan*, *Shavasana*, *Makarasana*, *Pranayam*, *Dhyan* etc. were taught by yoga trainer.

- One day workshop on 'Yog Dwara Jivanshailee' was organized on 20 June 2016 at Auditorium Hall, B.A. College of Agriculture by Directorate of Students' Welfare office in the association with *Prajapati Brahmakumari Ishvariya Vidhyalay, Adhyaatmik Gyaan ane Sahaj*



Rajyog Shikshan Kendra, Vallabh Vidhyanagar. The program was handled by a well known Yogacharya Dushyantbhai Modi. About 70 faculties and staff members took part in the workshop.

- Anand Agricultural University celebrated 2nd International Day of Yoga on 21 June 2016 at University Bhavan, AAU, Anand. About 400 people including University Officers, staff members, students and family members participated. The program was started at 7.00 am. All performed yoga as per yoga protocol and instructions by Yoga trainers. A large LED screen (with sound system) was arranged in front of yoga performers. The program was arranged as per the protocol suggested by Ministry of AYUSH, Govt. of India.



- Krushi Vigyan Kendra, Devataj celebrated International Day of Yoga on 21 June 2016. The staff of KVK, Devataj practiced yoga as stated in standard protocol for International Yoga Day.

- Second 'world yoga day' was celebrated at Vaso campus on 21 June 2016. Total 140 students and 25 staff members participated in this program enthusiastically.



students and 15 staff members participated in celebration

- The celebration of second World Yoga Day on 21 June 2016 was made with enthusiasm at College of Agriculture, AAU, Jabugam. Total 28

held at hostel. Different Pranayama and Yogasans were practised from morning 6.30 to 7.15 hours at this centre. The students enjoyed the celebration and made up their mind to inculcate the habit of doing Pranayama and Yogasans every day.



- 'International Yoga Day' was celebrated on 21 June, 2016 at main hall of polytechnic building at Vadodara. All the faculties & students of the polytechnic

college and Pulse Research Unit staff remained present. Dr. S. J. Patel delivered a talk on importance of yoga for health in daily life. Prof. M. R. Oza (Rtd. Asso.Res. Sci.) provided the instruction about yoga and presented 15 types of yogasans.

- 'International Yoga Day' was celebrated on 21 June 2016 at Model farm, Paddy Research Station, Dabhoi by Staff & Labours.



ESSAY COMPETITION ON DR. BABASAHEB AMBEDKAR ANE SAMAJIK NYAAY

Dr. Babasaheb Ambedkar's 125th Birth Anniversary was jointly celebrated at Anand Agricultural University by Directorate of Students' Welfare office and International Agri Business Management Institute, Anand. An Essay Competition was organized on this occasion. Total 36 students from different colleges of AAU participated in this competition. Mr. Mavani Vivek from College of Agriculture, Jabugam secured first place while Mr. Purabiya Vikas from College of Agriculture, Vaso stood at second position and Mr. Nirbhaykumar from College of FPT & B.E. secured third place in this competition. Dr. N. C. Patel, Hon. VC, AAU, Anand, Dr. S. H. Akbari, DSW and Dr. Y. C. Zala, Principal & Dean, IABMI congratulated the winners and participants.

FELLOWSHIP AWARD



- Dr. Atanu Jana, Prof. & Head, Dairy Technology Dept. of SMC College of Dairy Science received the Fellowship Award of National Academy of Dairy Sciences

(India) NADS(I) by Dr. A.K. Srivastava, Director and Vice Chancellor, NDRI, Karnal at NDRI, Karnal (Haryana) on 6 April 2016.

- Dr. A.G. Bhadania, Prof. & Head, Department of Dairy Engineering, Dairy Science College, Anand and Dr. H.G. Patel, Ex-Prof. & Head, Dairy Processing and Operations (Anubhav Dairy), AAU, Anand were also conferred NADS(I) Fellowship Award in Absentia.

OUTSTANDING SCIENTIST AWARD

Outstanding Scientist Award was given to Dr. T. M. Bharpoda by IJTA (Indian Journal of Tropical Agriculture) during '3rd International Conference on Agriculture, Horticulture & Plant Science' held at New Delhi on 25-26 June 2016.



FAREWELL OF UNIT OFFICER AT VASO CAMPUS



A farewell was organized on superannuation of Unit Officer Dr. J. B. Patel on 30 June 2016. Dr. J. B. Patel was honored by Dean and Principal Dr. K. P. Patel and all staff members for his

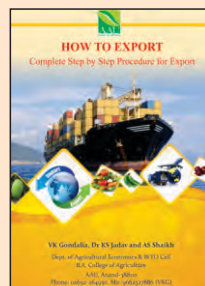
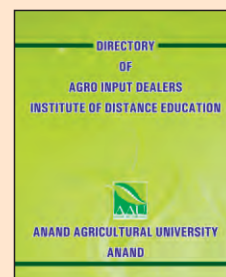
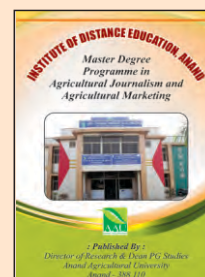
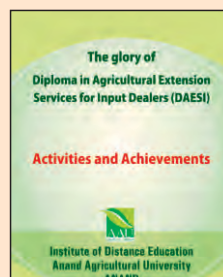
incredible contribution for development of the Vaso campus within a very short period.

CONGRATES

- The final year students of Veterinary College, AAU, Anand appeared in ICAR-JRF examination, 2016 for admission to Post Graduate courses. Ajit Kumar secured 74th rank at All India level under Animal Sciences group and Mukesh Sah ranked 85th under Veterinary Sciences group.

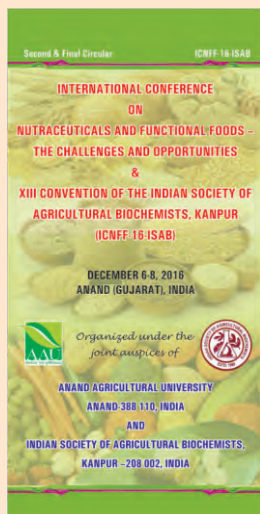


PUBLICATION BY AAU



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)' on 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

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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 7525 subscribers registered for this farm magazine upto June 2016.



RETIREMENTS

April-2016

- 1 Shri Ramanbhai Shankarbhay Gohel, Veldar, ICAR Unit, Anand
- 2 Shri Virshingbhai Somjibhai Bhabhor, Field attendant, KVK, Dahod, Anand
- 3 Shri Fulabhai Balubhai Chavda, Peon, BACA, Anand, Sad demise
- 4 Shri Chandubhai Popatbhai Thakor, Peon, ARS, Sansoli, Sad demise

May-2016

- 5 Dr. A. M. Mehta, Research Scientist, Main Rice Research Station, Nawagam, Sad demise
- 6 Shri Rajibhai Dhulabhai Bhoi, Skilled Mali, BACA, Anand
- 7 Shri Kanubhai Bachubhai Rathod, Peon cum cook, Office of Executive Engineer, Anand
- 8 Shri Raisingbhai Laxmanbhai Chavda, Helper, Veterinary College, Anand
- 9 Shri Budhabhai Kabhai Chauhan, Peon, BACA, Anand
- 10 Shri Jasbhai Punambhai Chavda, Peon, BACA, Anand
- 11 Shri Poonambhai Bhatibhai Parmar, Peon, BACA, Anand
- 12 Shri Bhikhabhai Somabhai Patanvadiya, Peon, BACA, Anand
- 13 Shri Fateshing Gordhanbhai Vaghela, Lab. Attendant, ICAR Unit, Anand

June-2016

- 14 Dr. P. P. Patel, Director of Extension Education, Anand
- 15 Dr. J.B. Patel, Professor, College of Agriculture, Vaso Anand
- 16 Shri M. G. Makwana, Research Scientist, BTRS, Anand
- 17 Dr. B. T. Sheta, Associate Professor, BACA, Anand
- 18 Dr. Meenaben C. Patel, Assistant Professor, Directorate of Research, Anand
- 19 Shri J. F. Dodiya, Assistant Professor, Main Rice Research Station, Nawagam, Anand
- 20 Dr. B. H. Patel, Associate Professor, Castor & Spices Res. Station, Sanand, Anand
- 21 Shri R. H. Patel, Assistant Professor, BACA, Anand
- 22 Shri B. R. Parmar, Assistant Research Scientist, KVK, Dahod, Anand
- 23 Shri R. J. Bariya, Agri. Assistant, Pulse Research Station, Vadodara, Anand
- 24 Shri S. A. Saiyad, Agri. Assistant, BACA, Anand
- 25 Shri M. B. Patel, Agri. Supervisor, RRS, Anand
- 26 Shri U. A. Rathod, Agri. Supervisor, ARS, Thasra
- 27 Shri D. N. Bhatt, Senior Clerk, Veterinary College, Anand
- 28 Shri N. D. Padhiyar, Junior Clerk, BACA, Anand
- 29 Shri S. M. Patel, Laboratory Technician, Veterinary College, Anand
- 30 Shri Somabhai L. Chavda, Peon, Directorate of Extension Education, Anand
- 31 Shri P. S. Vasava, Milker, Veterinary College, Anand
- 32 Shri R. J. Damor, Bullockman, Hill Millet Res. Station, Dahod
- 33 Shri K. R. Bharvad, Engine Operator, Dry farming Research Station, Arnej
- 34 Shri H. R. Chudasma, Peon, ARS, Dhandhuka
- 35 Shri C. B. Parmar, Peon, Vegetable Research Station, Anand
- 36 Shri Vanabhai R. Naitra, Peon, Cotton Research Station, Viramgam

*Mind is not a dustbin to keep anger, hatred and jealousy.
But it is the treasure box to keep love, happiness and sweet memories - Swami Vivekanand*

Book-Post

To

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