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Message

It is now well known that, *Krusha Mahotsav* has brought about a qualitative difference in the lives of farmers in Gujarat. During the year 2015, the *Krusha Mahotsav* was held from 22 April 2015 to 11 May 2015 on cluster basis in villages of Gujarat as per the district panchayat seats. As part of mega event, two days *Krusha Melas*, Agricultural Exhibition-cum-Sale and *Pashu Arogya Mela* were organized at



Lunavada, Dist. Mahisagar. The live demonstrations were exhibited by the agriculture, horticulture, dairy, food processing and agricultural engineering faculties of the University. Specifically, the star show of the *Krusha Mahotsav* 2015, the flagship agriculture initiative of Gujarat at Lunavada launch was the animal husbandry camp. In *Pashu Arogya Mela*, animals were diagnosed and treated for various diseases.

The successor of former Chief Minister, Shri Narendra Modi and First Woman Chief Minister Hon'ble Smt. Anandiben Patel described *Krusha Mahotsav* 2015 as a true *Yagna* for the agricultural development in Gujarat state.

Also, it is appreciated that lot of work has been done in water conservation, water-harnessing and canal networking. With 'Lab to Land approach', technical assistance is being offered to farmers with the help of scientist of Agricultural Universities. This has opened a two way channel of communication between the researchers and farmers making research and innovation more meaningful. *Kharif Krishi Mahotsav* was initiated in 2005 under the leadership of the then Chief Minister and presently Hon. Prime Minister, Shri Narendra Modi who took the lab to land approach the farmers of Gujarat responded to it wholeheartedly. They adapted scientific modern agricultural practice like drip irrigation, nethouse, greenhouse and advanced agricultural technologies.

Today *Krusha Mahotsav* has become a grand celebration for farmers, agriculture experts and officials. Gujarat has come a long way from being a state facing water crisis to now carving its identity as a front runner in the agriculture sector. India and the world have been a witness to successful journey of Gujarat towards agrarian revolution. In this backdrop, the Government of Gujarat has declared the year 2014-15 as *Krishi Vikas Varsh*.

For farmers, cattle-rearing is also a very important source of income. It also serves as an alternate source of income in times of crop failure. That's why we have also focused on accelerating cattle rearing activities during *Krishi Mahotsav*. Specially, women have to play bigger role in this. The Government of Gujarat formulated *Mukhyamantri Mahila Pashupalan Yojana* that extends assistance and equipments to women involved in cattle rearing.

I congratulate the scientists and the supporting staff of the university for their keen interest and dedicated efforts in successfully transfer of technologies and knowledge to the farmers through the novel concept of *Krusha Mahotsav* followed in Gujarat which increased the growth of agriculture in the State.

(Dr. N. C. Patel)
Vice Chancellor

KRUSHI MAHOTSAV-2015 MEGA EVENT



Inaugural function of Krushi Mahotsav mega event 2015

At Lunavada, three main events (1) Inaugural function by Hon'ble Chief Minister (2) Agricultural exhibition-cum-sale and (3) *Pashu Arogya mela* were organized.

As a part of *Krusha Mahotsav*, a mega event was celebrated with combined efforts of the State Government, District Administration, Mahisagar and Anand Agricultural University, Anand during 30 April and 1 May 2015 at Lunavada, Mahisagar district.

An inaugural function of *Krusha Mahotsav* mega event 2015 for central Gujarat was organized at Taluka seed farm, Lunavada on 30 April 2015. Dr. N.C.Patel, Vice Chancellor shared the dais with Shri Babubhai Bokharia, Hon'ble Cabinet Minister for Agriculture; Shri Bhupendrasinh Chudasma, Hon. Cabinet Minister for Education; Shri Pradipsinh Jadeja, Hon. Prabhari Mantri (Mahisagar District), Shri Jashabhai Barad, Hon. State Minister for Agriculture; Shri Jaydrathsingh Parmar, Hon. State Minister for Road and Building, Government of Gujarat and other Members of the Legislative assembly.

On the eve, various cultural programs were performed. Several ministers addressed the gathering. On arrival at Lunavada, First Mahila Chief Minister, Hon. Shrimati Anandiben Patel, after performing the holy '*Balram Pooja*' and '*Gau Poojan*' inaugurated the *pashu arogya mela* and visited various stalls and observed live surgical operations on animals by veterinarians. The Hon'ble Chief Minister appreciated the live operations and congratulated the scientists and veterinarians.

On 30 April, 2015 early in the morning at about 9.00 am, the farmers started to arrive and within an hour, the ground was fully brimming with about 18,000 farmers.



Gau poojan by Hon. CM Shrimati Anandiben Patel

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



Gifting of Memento to Hon. CM Smt. Anandiben Patel by Dr. N. C. Patel, Hon. VC with Dr. K.B. Kathiria, DR and Dr. P.P. Patel, DEE, AAU, Anand

The Hon'ble Chief Minister then awarded the progressive farmers, distributed cheques to various beneficiaries and also released three books, one booklet, one telephonic diary and two DVDs on agricultural technologies published/made by AAU, Anand.

The MoU between AAU and Gujarat Agro Industries Corporation (GAIC) for NPK bioconsortia technology transfer was made in the presence of Smt. Anandiben Patel, Hon. Chief Minister of Gujarat State.

A set of agricultural literature was delivered to two *mahila sarpanchs* for establishing *krushi* library in their villages.

Krushī Mahotsav is a knowledge sharing rendezvous of the farming community of Gujarat. It is a month long event that brings together the farmers, scientists, Government officials and many more individuals concerned with agriculture. This *Mahotsav* is generally held for a month and begins on the auspicious planetary affluence of 'Akshay Tithi (Akhatrij)', a day for worshipping Balramji, the God of farmers. As a preparation part of the *Krushī Mahotsav*, training program was conducted for the participating scientists on 18 April 2015.

This event facilitates the seamless flow of knowledge from agricultural research labs to land. The Eleventh *Krushī Mahotsav* was celebrated by the state for 20 days from 22 April 2015 to 11 May 2015.



Krushī Mahotsav 2015 seminar under the chairmanship of Dr. N.C. Patel, Hon. VC, AAU

During this *Krushī Mahotsav*, total 253 seminars and exhibition cum sales were organized based on seats of District Panchayat in 64 talukas of central Gujarat. Two groups of scientists (185 numbers) were engaged to facilitate the process of knowledge sharing in the seminar. During the seminar, the team of expert scientists related to Agriculture, Horticulture, Animal Husbandry, Dairying, Food Processing, Agril. Engineering etc. explained the farmers 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 to earn more profit and for 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 same place of seminar. Sales of seeds, liquid biofertilizer, mineral mixture, trichoderma culture at nominal rate were arranged for the farmers by AAU. Total 2667 packets worth ₹ 2,49,360/- were sold to the farmers of central Gujarat. Besides this, literature in the form of folders and pamphlets on various subjects were also distributed to the farmers.



Agricultural exhibition cum sale during KM-2015

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

The buildings of Agriculture Polytechnic, Agriculture wing and UG Boys Hostel constructed at Vaso campus were inaugurated. In her Speech, the Hon'ble Chief Minister urged the farmers to adopt new technologies for crops, animal keeping and dairying.



Inauguration of agricultural exhibition by Hon. CM Smt. Anandiben Patel & Agril. Minister Shri Babubhai Bokhiria

The agricultural exhibition was scaled into five theme based domes. The 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.

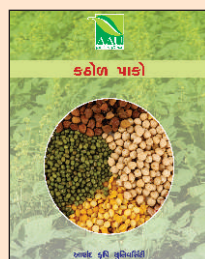
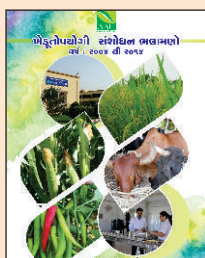
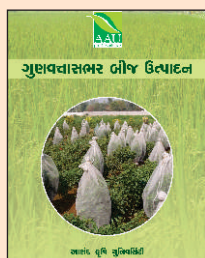
e-TECHNOLOGY PACKAGES DISTRIBUTION



Five e-technology packages (Video films) on *Sendriya Kheti*, *Pashu Poshan and Pashu Swasthya*, *Sukshma Piyat Paddhati*, *Post Harvest Technology* and *Khetima Yantrikaran* were prepared (Two DVD sets) and distributed to all Villages (5124) for dissemination of the latest agricultural technologies to the farmers of central Gujarat through District Agricultural Officers.

Sr. No.	District	No. of Village	No. of DVD sets distributed
1	Ahmedabad	538	538
2	Anand	365	365
3	Botad	181	181
4	Chhotaudeipur	891	891
5	Dahod	623	623
6	Kheda	550	550
7	Mahisagar	699	699
8	Panchmahal	620	620
9	Vadodara	657	657
Total		5124	5124

PUBLICATIONS RELEASED DURING KM-2015



ACTIVITIES DURING KM-2015 BY AAU SCIENTISTS

The important extension activities catered by AAU Scientists during the Krushi Mahotsav -2015 in Middle Gujarat are as under.

Sr. No.	District	No. of Seminars held	Guidance to farmers by Scientists during Seminars
1	Ahmedabad	29	25463
2	Anand	36	29445
3	Botad	04	3473
4	Chhotaudeipur	22	13344
5	Dahod	39	61376
6	Kheda	36	31386
7	Mahisagar	28	22680
8	Panchmahal	30	27820
9	Vadodara	29	18428
Total		253	233415

AAU BIO NPK (PGPB) CONSORTIUM LIQUID BIOFERTILIZER TECHNOLOGY TRANSFER MOU WITH GAIC



MoU of Anubhav Bio NPK liquid biofertilizer between AAU and GAIC during Krishi Mahotsav 2015 mega event

MoU for technology transfer of *Anubhav Bio NPK Liquid biofertilizer* between Anand Agricultural University and Gujarat Agro Industries Corporation Ltd., Gandhinagar has been signed on 30 April 2015 in esteemed presence of Hon'ble CM of Gujarat Mrs. Anandiben Patel on the occasion of *Krushi Mahotsav-2015*, to make this biofertilizer formulation easily available to the farmers.

The plant growth promoting bacterial consortium formulation has been developed under a project sponsored by DBT, GOI at BioFertilizers Dept, AAU, Anand and this innovative farming technology was honoured with Mahindra Krushi Siksha Samman Award-2013. The Indian patent of the technology has been published in Indian patent Journal No. 50/2014 dtd. 12/12/14.

AAU has first time developed such Bio-NPK liquid biofertilizer consortium, which contains mixture of five native efficient bacteria viz. Nitrogen fixers (*Azotobacter*, *Azospirillum*) as well as phosphate and potash solubilizers (three *Bacillus* spp.). Use of *Anubhav Bio NPK* consortium can save 25% N, P and K, three type of chemical fertilizers with 10% increase in yield. In Gujarat, about 145 lakh hectares of land is under cultivation and about 8 lakh hectares under drip irrigation. Farmers using such liquid biofertilizer consortium can reduce cost of cultivation as well as decrease pollution in soil, water and air.

The sale of aforementioned liquid Bio NPK consortium has been started by Dept. of Microbiology, AAU for farmers and during Krushi Mahotsav 2015 in agricultural exhibition cum sale programme organized at 242 district panchayat seats in Middle Gujarat, this biofertilizer was made available to farmers.

11TH COMBINED JOINT AGRESO MEETING



Inauguration function of AGRESO-2015

The Eleventh Combined Joint Meeting of Agricultural Research Council (AGRESO-2015) of SAUs of Gujarat was held at Anand Agricultural University, Anand during 07-09 April 2015. The Inaugural session of the meeting was graced by Shri Babubhai Bokhriya, Hon'ble Minister of Agriculture, Government of Gujarat; Shri. Dilipbhai Patel, Hon'ble Member of Parliament; Shri Jasvantsinh Solanki, President, Anand District Panchayat; Shri Pragneshbhai Patel, President of Anand Nagarpalika; Dr. N. C. Patel, Vice Chancellor of AAU; Dr. A. R. Pathak, Vice Chancellor, JAU; Dr. C. J. Dangaria, Vice Chancellor, NAU; Dr. Ashok Patel, Vice Chancellor, SDAU; Prof. M. C. Varshneya, Vice Chancellor, Kamdhenu University; Dr. B. R. Shah, Director of Horticulture; Dr. A. J. KachhiaPatel, Director of Animal Husbandry and Dr. K. B. Kathiria, Director of Research & Dean P. G. Studies, AAU, Anand. Dr. K. B. Kathiria welcomed the dignitaries, invited guests, conveners of various sub-committee and scientists. He highlighted the research activities carried out by different AGRESO sub-committees and various recommendations deliberated for farming as well as scientific community. Dr. N. C. Patel, Hon'ble Vice Chancellor of AAU, Anand welcomed the dignitaries and explained the significance of this meeting. The Combined Joint AGRESO meeting of SAUs of Gujarat was inaugurated by Hon'ble Minister of Agriculture Shri Babubhai Bokhriya and other dignitaries. During the occasion, Shri Babubhai Bokhriya launched the revamped AAU website as well as Mineral mixture developed by the scientists of Anand Agricultural University. Two informative publications in vernacular language viz; *Aaushadhiy Vanaspatio: Olakh ane Upyog* (Medicinal plants: identification and use) and *Khedutopyogi Bhalamano 2004 to 2014* (Recommendations

for farming community 2004 to 2014) were also released. Moreover, exchange of MoU between Anand Agricultural University and Vasundhara Agribiotech, Rajkot for transfer of technology of tissue culture date palm was also done in august presence of all the dignitaries. During the Technical session, conveners of various research sub-committees presented the proceedings of the respective sub-committee meets and the recommendations were deliberated and finalized.

ICAR, DAC INTERFACE MEETING KHARIF 2015 FOR GUJARAT



Dr. N. C. Patel, Hon. VC, AAU addressing the interface meeting

ICAR-Central Research Institute for Dryland Agriculture (CRIDA) Hyderabad along with Department of Agriculture and Co-operation (DAC), GOI, AAU, Anand, Gujarat and Department of Agriculture, GOG organized contingency preparedness interface meeting with various stakeholders on 29 May 2015 hosted by National Initiative on Climate Resilient Agriculture (NICRA) Dept. of Agril. Meteorology, BACA, AAU, Anand. Dr. D.M. Korat, ADR, AAU acted as Nodal Officer of the meeting.

This interface meeting was started with welcome speech of Dr. H. R. Patel PI of NICRA project. Shri Arun Kumar Solanki, IAS, Pr. Secretary, Agriculture and Cooperation, GOG; Dr. Ashish Kumar Bhutani, JS, DAC; Dr. N.C. Patel, Hon.VC, AAU; Dr. B.R. Shah, Director, Dept. of Agriculture; Dr. M. Maheswari, CRIDA, ICAR; Director of Research, Director of Extension of different SAUs of Gujarat, Representatives from Seed Corporation, Gujarat, Land Development Corporation, Divisional and District Heads of Agril. Dept., Director, ATMA, Zonal Project Director, Project Coordinators of KVKs, and CRIDA-Agricultural Contingency Cell (ACC) scientists participated in this meeting.

Dr. M. Maheswari informed about availability of contingency plans for about 580 districts across India and appraised the efforts being made to create awareness among various stakeholders at district level on the need for operationalization of contingency plans. She also appraised updating process of available district contingency plans and their inclusion in recent research developments.

Dr. Ashish Kumar Bhutani desired that the district level contingency plans be made available as advisories. He stressed that there is a need to cover large numbers of farmers, especially from small and marginal farmers, with crop/ weather insurance program.

Shri Arun Kumar Solanki suggested that SAUs may compile better natural resource management technologies at district level and be provided to Gujarat State Land Development Corporation. Every nodal agency such as seed corporation, land development corporation should have their own plans for each district to address the contingency scenarios those emerge from aberrant weather conditions. Awareness meetings to various stakeholders be organized by University, ATMA, KVKs, Divisional and District level agricultural department officers. There is a need to enhance the coverage of crop/ weather insurance programmes in a targeted manner specially for non-loan farmers like other developmental programmes. SAUs should prepare the content for recently launched Kisan Channel by Doordarshan.

BRAIN STORMING MEETING ON NILGAI/WILD BOAR MENACE CONTROL



Dr. N. C. Patel, Hon. VC, AAU addressing the brain storming meeting

Under the presidentialship of Dr. N. C. Patel, Hon. VC, AAU, a brain-storming meeting was organized at Veterinary College on 17 June 2015 for officers from the Forest dept., Animal husbandry dept., AAU, Progressive farmers, Sarpanchs and representatives from different NGOs. Dr. A. M. Thaker, Dean & Principal, Veterinary College, Anand in his welcome speech informed to develop various control

strategies in order to reduce free-ranging populations of nilgai and wild boars to avoid crop damage faced by marginal farmers.

Hon. VC, AAU, Dr. N. C. Patel in his inauguration speech emphasized on establishment of a collaborative action plan with active involvement of Forest Department officials, scientists from Veterinary College-Anand, Sarpanchs of different villages, farmers as well as other stake holders to control nilgai and wild boar populations.

Dr. P. K. Borad, AAU and Mr. Brahmabhatt, presented the over all aspects of various control measures adopted by farmers and subsidies and help provided by the forest department. The Chief Guest of the program Mr. Bharat Pathak, Director, GEER Foundation, Gandhinagar imparted information on Wildlife Protection Act of India as well as common methods used for control of nilgai invasion such as use of chain-links and growing cactus plants on the periphery of the farm. He discussed in detail regarding strategic planning needed to be represented to GOI for declaration of the wild boar and nilgai into least concerned category in areas with higher incidence of crop damage.

Dr. K. B. Kathiria, Director of Research, AAU concluded the session by appreciating the efforts of the Forest Department and suggested that the work which is being carried out by the department should reach to people in form of literatures for development of conservation awareness and he also assured positive support from the eminent scientists from AAU for the same.

QRT MEETING OF AICRP-NSP (CROPS) OF WESTERN ZONE AT ANAND



Prof. M. Mahadevappa, Chairman, QRT addressing to the meeting

Quinquennial Review Team (QRT) Meeting of AICRP-NSP (Crops) of Western Zone was organized jointly by ICAR – Directorate of Seed Research, Kushmaur, MAU, UP and Anand Agricultural University, Anand during 26-27 June 2015. The meeting was inaugurated by Dr. N. C. Patel, Hon.VC, AAU, Anand. Prof. M. Mahadevappa, Chairman, QRT and Former Chairman ASRB & Former VC, UAS,

Dharwad; Dr. S. Rajendra Prasad, Project Director, DSR, Mau; Dr. Prafulla K. Das, Member, QRT and Dean of Research, OUAT Bhubaneswar; Dr. T. N. Venkata Reddy, Member, QRT and Professor, Dept. of Agricultural Marketing, UAS, GKVK Campus, Bangalore; Dr. S. S. Pandey, Member, QRT and Director, Sugarcane Research Institute, Pusa, Samastipur, Bihar; Dr. S. Natrajan, Member Secretary QRT and Principal Scientist, DSR, MAU; Dr. K. B. Kathiria, Director of Research & Dean Faculty of PGS, AAU and Dr. K. P. Patel, Dean, Agriculture & Principal BACA, AAU, Anand graced the function. Dr. D. M. Korat, ADR (Agri.) and Dr. M. K. Jhala, AD R (Vet.), AAU, Anand; Dr. R. N. Pandey, Nodal Officer, STR Project & Prof. & Head, Dept. of Plant Pathology and Dr. A. D. Patel, Nodal Officer, ICAR- Mega Seed Project & Research Scientist, RRS, AAU, Anand attended the function. The cooperative centres of ICAR – Directorate of Seed Research comprising of AAU, Anand; SDAU, SK Nagar; NAU, Navsari; JAU, Jamnagar; DGR, Junagadh; SKRAU, Bikaner; CAZRI, Jodhpur; RARI, Durgapura; AU, Kota, DRMR, Bharatpur and IISR, Lucknow attended the meeting and presented their report.

STATE LEVEL SEMINAR ON PESTICIDE MANAGEMENT AT ANAND



Release of book on the occasion of state level seminar

A state level seminar on 'Pesticides Management : Present Status and Future' jointly organized by Plant Protection Association of Gujarat (PPAG) and Anand Agricultural University at Anand on 18 May 2015. The seminar was inaugurated by Dr. N. C. Patel, Hon. VC, AAU, Anand. He also released a soveniar of the seminar and special book entitled "Insecticides used in Agriculture" authored by Dr. D. M. Korat, ADR, AAU, Anand; Prof. N. B. Patel and Dr. M. R. Dadhi. More than 380 participants including scientists of SAUs, post-graduate students and farmers participated in the seminar. It was successfully organized and fruitful discussion was made on various topics related to the theme of the seminar.

INAUGURAL FUNCTION OF SARDAR PATEL AGRICULTURAL EDUCATION MUSEUM



Inauguration of Sardar Patel Agricultural Educational Museum by Hon. Agril. Minister Shri Babubhai Bokhiria, GOG

Inaugural ceremony of Sardar Patel Agricultural Educational Museum, at AAU, Anand was held on 7 April 2015 in august presence of Hon. Shri Babubhai Bhokhiria, Agriculture Minister, GOG in presence of Shri Dilipbhai Manibhai Patel, Hon. MLA, Anand and Hon. VC, Dr. N.C.Patel, AAU, Anand and other University Officers.



Hon. Agril. Minister Shri Babubhai Bokhiria, GOG, Shri Dilipbhai Patel, MLA, Anand & Dr. N. C. Patel, Hon. VC, AAU visiting the museum

THIRD CONVERGENCE MEETING AT ANAND



Dr. N. C. Patel, Hon. VC, AAU addressing the scientists during third convergence meeting

Third convergence meeting in relation to Agricultural Extension and Research was organized on 18 June 2015 at Conference Hall, Aniket Farmers' Hostel under the chairmanship of Dr. N.C. Patel, Hon. VC, AAU, Anand.

WORLD ENVIRONMENT DAY CELEBRATION AT ANAND



Tree plantation on the occasion of 'World Environment Day' by AAU scientists

College of Veterinary science and Animal Husbandry, AAU, Anand celebrated 'World Environment Day' on 5 June 2015. On this occasion, tree plantation programme was held at the Veterinary College campus in the august presence of Dr. K. B. Kathiria, DR along with Dr. A. M. Thaker, Dean/ Principal, Veterinary College, Anand and other faculty members of the college.

MOTIVATIONAL AWARDS TO AUTHORS

The best article awards are declared every year for published articles in 'Krishigovidya' farm magazine. Awards are categorized in seven subjects viz., (1) Crop production (2) Agricultural Engineering (3) Animal husbandry & Veterinary and Fishery (4) Dairy, Food processing and Home Science (5) Horticulture and Forestry (6) Extension, Economics, IT and MBA and (7) Plant protection. During 2014-15, total 24 aminent scientists for their best articles were awarded. Total 14 scientists from Anand Agricultural University, 6 scientists from Navsari Agricultural University, 2 from Junagadh Agricultural University, 1 form Sardarkrushinagar Dantihwada Agricultural University, and one from other were awarded. The purpose of these awards is to motivate the authors for writing quality articles in 'KrishiGovidya' farm magazine.

NATIONAL LEVEL ELOCUTION AND ESSAY COMPETITION

A National level Elocution and Essay Competition was organized by The National Academy of Agricultural Sciences (NAAS), New Delhi as a part of its Silver Jubilee celebrations. Miss Binjan Patel of Dairy Science College and Mr. Ankit



**Dr. M.S. Swaminathan, Father of Green Revolution
awarding the AAU students**

Raval of B.A.College of Agriculture participated in Elocution Competition and secured third position. Mr. Mayur Chandegara, student of College of FPT&BE was adjudged the best among 80 essays received from 42 universities of India in Essay Competition and secured first position. All the three students received Gold medal and certificate from Dr. M.S. Swaminathan, Father of Green Revolution.

DISTINGUISHED VISITORS



**Shri Jashabhai Barad, Hon. Minister of State for Agriculture
visited AAU, Anand**

- Hon. Minister of State for Agriculture, Shri Jashabhai Barad, visited AAU on 19 April 2015. He was welcomed by the Hon. VC Dr. N. C. Patel and the University Officers and Deans. Since this was his first visit to the University in his present capacity, Dr. N. C. Patel explained in brief about the activities and significant contribution of AAU for the upliftment of farmers and rural people of the state. Hon. Minister expressed his happiness for his maiden visit and discussed the measures taken by the state government for agricultural development. He also visited the Sardar Patel Educational Museum, Plant Tissue Culture Laboratory and Pesticide Residue Laboratory. He expressed his desire for a longer visit of AAU in future. The meeting was attended by all the Officers and Deans of the University.

- Dr M.A. Shankar, Director of Research, UAS, GKVK, Bangalore, visited Biofertilizer Project on 01 June 2015 and congratulated microbiologist team for the Liquid Biofertilizer Production for farmers.



**Mrs. I. Rani Kumudini, Hon. Joint Secretary (INM), Dept. of Agri
and Cooperation, GOI, New Delhi visiting biofertilizer dept.**

- Mrs. I. Rani Kumudini, Hon. Joint Secretary (INM), Dept. of Agri and Cooperation, GOI, New Delhi visited biofertilizer activities on 11 June 2015 and appreciated role of Microorganisms in INM and also showed keen interest in PGPB (Bio NPK) patent.
- Dr. Devakumar Ex. ADG Education, ICAR & FAO TDTC expert, visited Biofertilizer Project on 06 June 2015. Dr. Vyas and Mrs. Shelat explained about the different Biofertilizers and their efficacy and novel patented product Anubhav BIO NPK liquid consortium. He expressed his remarks as "Science, Technology and Innovation, the trinity shine in AAU Microbiology department".
- Mr. Carl Rallings, Deputy Vice Chancellor and Mr. Satya Shah, Relationship Manager of University of Southern Queensland, Australia, visited AAU on 17 June 2015. They had an interaction meeting with the Hon. VC Dr. N. C. Patel and all the Officers and Deans of the University. Dr. M. K. Jhala, ADR, 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 the Sardar Patel 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.



Mr. Carl Rallings, Dy. VC & Mr. Satya Shah, RM of Uni. of Southern Queensland, Australia, visited AAU, Anand

- Smt. Nimisha M. Suthar, Hon'ble MLA, Morwa (h) visited the Agril. Engg. College at Godhra on 29 June 2015 along with about 50 farmers. A lecture was organized at CAET, Godhra by MMRS, Godhra.

PRE-SEASONAL TRAINING PROGRAM AT ANAND



Kharif pre-seasonal training under T&V

Two days Kharif Pre-seasonal Training Program was organised during 17-18 June 2015 at Directorate of Extension Education under Training and Visit System for Officers of the line departments.

REVIEW MEETING OF KVKs AT ANAND



Review meeting of KVKs under the chairmanship of Dr. P. P. Patel, DEE, AAU, Anand

The review meeting of KVKs of central Gujarat was held on May 15, 2015 at Krishi Vigyan Kendra, AAU, Devataj. The meeting was chaired by Dr. P. P. Patel, DEE, AAU, Anand. All Programme Coordinators of concerned KVKs presented bimonthly progress report and preparedness for APR of 2014-15 of their KVKs for the Annual Zonal Workshop of Zone-VI held at MPUAT, Udaipur during 23 to 25 May 2015.

TRAINING PROGRAMS BY KVK, ANAND



KVK Scientists conducted on-campus training program at KVK Devataj

During this period KVK, Devataj conducted five on campus and seven off campus training programme benefiting 174 farmers and 122 farm women.

VOCATIONAL TRAINING FOR RURAL YOUTH AT KVK, ANAND



Mango Value Addition training

SMS (Horticulture) organized two days vocational training on 'Mango Value Addition' for Rural Youth on May 1-2, 2015 at KVK, Devataj. Total 35 farm women participated in this training.



Tie and Dye Process training

Prog. Asst. (Home Sc.) organized four days vocational training on 'Tie and Dye Process' for Rural Youth on 30 June to 03 July 2015 at KVK, Devataj. Total 26 farm women participated in this training.

SEED AND FERTILIZER DISTRIBUTION UNDER SARDAR SAROVAR PROJECT



Input distribution to beneficiary farmers

Demonstrations on System of Rice Intensification (SRI Technique) were organized on 25, 29 and 30 June 2015 under Sardar Sarovar Project at Paddy Research Station, Dabhoi for beneficiary farmers. The distribution program was arranged at Kasumbiya, Mavli, Kukad, Boriyad and Manjrol villages. The input Kits of Paddy Seed (var. GAR-13)- 300 kg and fertilizers were distributed to total sixty beneficiary farmers.

DISTRIBUTION PROGRAM OF MAIZE SHELLER AT GODHRA



Distribution of maize shellers to ST farmers under TSP

A training and distribution program was organized by MMRS, Maize on 19 June 2015 at Conference hall, CAET, Godhra. Dr. K. B. Kathiria, DR, chaired the inaugural session. Dr. M. L. Gaur, Principal, CAET suggested to distribute maize shellers procured under the project 'Tribal Sub Plan (TSP): Encouraging Tribal Youth/Women for adopting Proven Agricultural Engineering Technology on Mechanization, Value Addition & Resource Conservation in Middle Gujarat' to along with distribution of weeder from MMRS maize. Tubular maize shellers were distributed to 49 ST farmers for the encouragement of adopting proven technologies.

TRAINING CUM DEMONSTRATION PROGRAM ON AGRICULTURAL IMPLEMENTS AT GODHRA



Agril. implements distribution to tribal farmers under TSP

A training cum demonstration program was organized on 20 June 2015 by CAET, Godhra in collaboration with KVK, Panchmahals at village Navagam under projects viz., 'Tribal Sub Plan (TSP): Encouraging Tribal Youth/Women for adopting Proven Agricultural Engineering Technology on Mechanization, Value Addition & Resource Conservation in Middle Gujarat' and 'Developing a model village incorporating farm mechanization and watershed concepts'. Dr. M. L. Gaur, Principal, CAET, Godhra chaired the training program and emphasized the use of proven agricultural engineering technologies and shared his vast experience with farmers. Dr. Kanaklata emphasized on the proper use of implements on the farms and guided according to the present weather conditions. About 100 tribal farmers/women were present in the program. Later, equipments procured under the said projects were distributed to the farmers for the effective use in their agricultural fields.

TRAINING PROGRAM ON AWARENESS ABOUT BIODIVERSITY OF NATURE AT SSK, ANAND



Training program for farmers on biodiversity of nature at SSK

One day training program was organized at Sardar Smruti Kendra on 17 June 2015 in collaboration with Gujarat Biodiversity Board, Gandhinagar, for awareness about Biodiversity of nature. Training programme was co-ordinated by Dr. Mukesh R. Patel, SSK, DOEE, AAU, Anand and Dr. Ishita Mukherjee, VLISHK, State Programme Co-ordinator, Gujarat Biodiversity Board, Gandhinagar.

ONE DAY WORKSHOP ON SOFT SKILL



Lectures delivered by experts to AIT students

A one day workshop on 'Soft Skill' was organized by College of Agricultural Information Technology for the students of B. Tech. (AIT) on 30 May 2015. In this workshop, two lectures (1) Future Skill & Carrier Opportunity' by Mr. Sailendra Gupta, Registrar, Carlox Teacher's University, Ahmedabad and (2) 'Development of Skill for Better Writing & to be More Presentable' were delivered by Mr. Uren Bhatt, SMILE-Synergy Education a partner of SCOPE, Ahmedabad were delivered. All students of B. Tech. (AIT) participated in this event.

ADMISSION GUIDANCE SEMINAR AT CAET, GODHRA



Guidance given to parents and students in seminar

An admission guidance seminar was organized during 01 June 2015 at CAET, AAU, Godhra for the students and parents. The Dean & Principal of the College and the experts from the various colleges of AAU, guided for admission, and provided information about scope and benefits of studies in agricultural sector to the participants. About 150 students and their parents attended the awareness program.

EDUCATIONAL TOUR CUM INDUSTRIAL VISIT



Visit of vocational course students of CAET under educational tour

Educational Tour cum Industrial Visit of Vocational Course students of CAET, Godhra was organized on 22 June 2015. In the tour, five students from Module-1 and 15 students from Module-2 participated. During the tour, students visited ICAR-Indian Institute of Soil & Water Conservation, Vasad and Anand Shakti Tractors, Mogar, Anand.

PLACEMENT OF CAET STUDENTS



Placement meeting at CAET, Godhra

Placement activity is being conducted every year at CAET, Godhra. A total of 16 out of 28 B.Tech and 4 out of 4 M.Tech students got placements in various reputed companies till June 2015.

Sr. No.	Name of Company	No. of Students	
		B.Tech	M.Tech
1	Jain Irrigation system Ltd.	08	02
2	Central Bank of India	-	01
3	JAU, Junagadh	-	01
4	Netafim Irrigation India Pvt. Ltd	06	-
5	TAFE	01	-
6	Parul Univeristy	01	-

TABLETS TO CAET STUDENTS

The tablets procured under the project 'Tribal Sub Plan (TSP): Encouraging Tribal Youth/Women for adopting Proven Agricultural Engineering Technology on Mechanization, Value Addition & Resource Conservation in Middle Gujarat' were distributed to the B. Tech. and vocational students on 20 May 2015 at CAET, Godhra. Dr. M. L. Gaur emphasized the use of tablet for the academic studies and professional activities.

AGRIUNIFEST 2014-15 AT KARNAL



Participation of AAU students in AGRI UNIFEST 2014-15

AAU students participated in various cultural events such as Skit, Mono-acting, One Act Play and Mime in AGRI UNIFEST 2014-15 held at NDRI, Karnal. AAU students performed well in all events. Students of AAU got Bronze Medal in Skit event.

MOUNTAINEERING CAMP OF GIRLS STUDENTS AT JUNAGADH



Participation of girl students in mountaineering camp

Girls students of AAU, Anand participated in Basic Course of Mountaineering at Pandit Dindayal Upadhyay Mountaineering Training Center, Junagadh during 3-12 June 2015. Total 34 girl students of SMC college of Dairy Science and College of FPT&BE participated in the camp. Students learned various techniques of mountaineering during the training program like rock climbing, rappelling, river crossing, chimney climbing, dribbling etc.

'AMAZE-IT' 2015



Glimpses of 'AMZE-IT' 2015

College of Agricultural Information Technology has celebrated 3rd Annual day – "Amaze-IT" on 9 May 2015 at Auditorium Hall, BACA, Anand. Shri R K Sugoor, IFS, Joint Managing Director, GGRC, Vadodara was the chief guest of the occasion. Dr. N. C. Patel, VC, AAU and President of the function said that in coming years, every student must have a laptop to compete the IT world. Main attraction of the evening was colourful cultural program and prize distribution,.

DIFFERENT DAYS AND SPORTS ACTIVITIES BY IABMI, ANAND

During the first week of May, students of IABMI celebrated different days like activities mismatch day, Swachhata Abhiyan day, traditional day, signature day, twins day and sports activities like table tennis, Chess, carom and volley ball within college premises. Students have actively participated in all the activities.



Swachhata Abhiyan Day



Table Tennis & Chess

'INSPIRE-2015' of Sheth M C Polytechnic in Agriculture, AAU, Anand



Glimpses of 'INSPIRE' 2015

Various activities were organized by the students of SMC Polytechnic in Agriculture, AAU, Anand under the guidance and supervision of Dr. V. J. Patel, Associate Professor with coordination of Dr. J. I. Nanavati, SRC Chairman and other staff members on 25 May 2015. Students performed in various cultural activities like dance, drama etc. during the Annual Day function.

The event named as INSPIRE-2015 was inaugurated by the Hon. Vice Chancellor, Dr. N. C. Patel with Dr. K. B. Kathiria, DR; Dr. K. P. Patel, Principal & Dean (Agriculture); Dr. S. H. Akbari, Director of Student Welfare; Dr. P. R. Vaishnav, Registrar. Dr. N. C. Patel, Hon. VC inspired the students for higher education and also blessed for their bright future. The last year students, Miss. Jasmin Shekh and Mr. Parasara Mohamadmakhdum got the prize for securing the highest OGPA in third and second year, respectively. Mr. Indradat Patel and Mr. Dharmesh Patel got the prize for the General Secretary and Mess Secretary, respectively.

CELEBRATION OF INTERNATIONAL YOGA DAY

- Yoga has been practiced in India since ancient time; and it is recently its importance is being realized at international level and with hearty endeavors of our Prime Minister Shri Narendrabhai Modi, 21st June has been declared as 'International Yoga Day'. Accordingly, the first 'International Yoga Day' was celebrated all over the world on 21 June 2015.



At Police parade ground, Anand

- International Day of Yoga was celebrated enthusiastically by AAU staff and students at the Police Parade ground, Anand.

- A special Program of NCC Cadets was organized at Shashtri

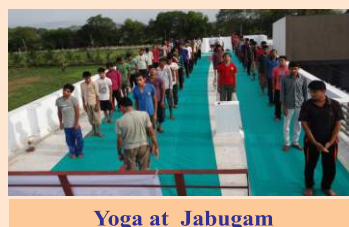
Ground, V.V.Nagar. This day was also celebrated at off-campus colleges, research stations, KVKs and other centers.



At CAET, Godhra

- First International Yoga day was celebrated at College of Agricultural Engineering & Technology, AAU, Godhra on 21 June

2015 from 7:00 to 7:33 am. The program of Yoga practicing was organized as NSS and SRC activity. Total 61 Officers, staff members, contractual labour, and students voluntarily remained present in the program. They were informed about the theme and program of Yoga day. All the participants practiced different *Yogasans*, *Pranayam* & *Dhyan* as per the instruction given through the DVD. It was health worthy experience for all and all enjoyed the event.



Yoga at Jabugam

- The celebration of Yoga day was made with enthusiasm on terrace of Hostel mess at College of Agriculture, AAU, Jabugam. All 45 students

and staff members along with Principal Dr. Sunil R. Patel, participated in celebration with fervor and zeal. Different *Pranayam* & *Yogasans* were practiced from morning 7.00 to 7.45 hours at this centre. The students enjoyed the celebration and made up their mind to inculcate the habit of *Pranayam* & *Yogasans* every day.

SPECIAL LECTURES DELIVERED

- Dr. H. R. Patel Agrometeorologist, AICRP on Agromet. BACA, AAU, Anand delivered lectures on Impact of climate change on wheat, maize and groundnut productivity in central Gujarat and Saurashtra region of Gujarat in workshop on 'Climate change and its effects on agriculture and allied fields' for Extn. Functionaries of line Dept./ SAMETI/ ATMA/NGO/scientists of SAUs/KVK/ICAR Institutes on 05 June 2015.
- Dr. Manjusha Kulshreshtha Asso. Prof. Mathematics, delivered two lectures on 23 and 30 June 2015 on 'Applications of Artificial Neural Networks in Agriculture and Agricultural Meteorology' in Summer School on 'Numerical Technique & Its Application To Agricultural & Food Engineering Problems' organized by college of FPT&BE, AAU, Anand during 07-17 June 2015.

WORKSHOPS/SEMINARS/MEETINGS ATTENDED

- Dr. A.J. Dhami, Prof. & Head, Department of Animal Reproduction, Gynaecology & Obstetrics (ARGO) and Principal Investigator of the project entitled "AICRP on Nutritional and Physiological Approaches for Enhancing Reproductive Performance in Cattle and Buffaloes", Veterinary College, AAU, Anand attended first annual review meet of the project on 16-17 April 2015 at Veterinary College, RAJUVAS, Bikaner.
- Dr. Manoj Lunagaria, Asso. Prof. Agril. Meteorology, Dept. of Agril. Meteorology, BACA, Anand, attended the one day national level Nano satellite for Earth Monitoring and Observation- Aerosol Monitoring (NEMO-AM) Science Workshop on 28 April 2015 at ISRO, Ahmedabad and presented a research proposal on 'Analysis and modelling of MADPI Observation for crops'.
- Dr. Manjusha Kulshreshtha, Asso. Prof. Mathematics, Dept. of Agril. Meteorology, BACA, AAU, Anand attended the one day national level Nano satellite for Earth Monitoring and Observation- Aerosol Monitoring (NEMO-AM) Science Workshop on 28 April 2015 at ISRO, Ahmedabad and submitted a research proposal for collaborative project AAU-SAC, Ahmedabad for 'Determining Aerosol Forcing on Incident Photosynthetically Active Radiation over Cropped Surfaces Using NEMO-AM Observations.'
- Prof. N.J. Chaudhary, Jr. Agronomist, AICRP on Agromet. BACA, AAU, Anand attended Annual workshop of NICRA project at Agriculture College and Research Institute, Madurai during 28-30 April 2015.

- Shri. C. F. Makwana, Prog. Asst. (Farm Manager), KVK, Devataj attended the Workshop on 'Farmer to Farmer Extention' at EEI, Anand from 19-22 May 2015.
- Dr.G.G.Patel, PC and Shri. Y.C. Lakum, SMS (Agronomy) attended a workshop on 'New policies on organic farming in Gujarat' which was organised by Gujarat Vidhyapith on 8 June 2015 at KVK, Ambheti, Valsad.
- Smt. A. N. Jadav, Prog. Asst. (Home Sci.), KVK, Devataj attended the Workshop on 'Video Production Technology' at EEI, Anand from 08-12 June 2015.
- Dr. A.J. Dhami, Prof. & Head, Dept. of ARGO, Veterinary College, AAU, Anand attended Technical Seminar on 'New Horizons in Veterinary Research and Automation in Dairy Industry' on 30 June 2015 at Gandhinagar.

OUR PRIDE

- Mr. Sandeep Kumar, Final Year student and Mr. Yuvraj Siddarth, M. Tech. student of CAET Godhra cracked Engineering (GATE) examination for PG entrance and joined Indian Institute of Technology, Kharagpur for M. Tech. in Water Resource and Management.
- The final year students of Veterinary College, AAU, Anand, appeared in ICAR-JRF examination, 2015 for admission in Post Graduation courses. We feel proud that Rohit Kumar Jaiswal secured 1st rank in All India level under Animal Sciences group and Abhishek Kumar secured 14th rank in Veterinary Sciences group.



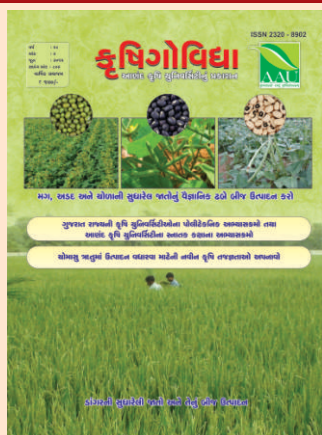
1st Rank (Animal Sciences)



14th Rank (Veterinary Sciences)

Few other students also performed very well to figure in the list of candidates eligible for counseling, as per their ranks were Radhika R. Kumar (Category rank: OBC 48; Overall Rank: 151) and Dharmeshkumar B. Bhinsara (Category rank: ST 5; Overall Rank: 179) were within the rank of 200 while Urvish P. Mistry (Category rank: OBC135; Overall Rank : 333), Bhaumik N. Patel (Overall Rank 457), Jhanvi M. Chitariya (Overall Rank: 513), Sachinkumar M. Kalaswa (Category rank: ST(110); Overall Rank 730) and Tushna S. Karkaria (Overall Rank: 1110) were among the successful candidates.

PUBLICATION OF FARM MAGAZINE



The publication unit, DEE, AAU, Anand publishes the monthly farm magazine '*Krushigovidya*' regularly for the benefit of the farming community since May 1948. There are 8765 subscribers registered for this farm magazine upto June 2015.

PUBLICATION OF BOOK ON USE OF INSECTICIDES IN AGRICULTURE



The publication unit, DEE, AAU, Anand published the book entitled '*Krushi kshetre vaprata kitnashako*' covering all information regarding use of insecticides in agriculture for the benefit of farmers. The sale price of this book is ₹ 40/- and by registered post parcel is ₹ 80/-

RETIREMENTS

April 2015

- 1 Shri Dhirajsinh Balvantsinh Parmar, Assistant Research Scientist, Devgadbaria
- 2 Dr. Babulal Hargovindbhai Patel, Training Associate, Directorate of Extension Education, Anand
- 3 Shri Kanjibhai Khodabhai Parmar, Agril. Officer, BACA, Anand
- 4 Shri Ratilal Maganlal Sevaj, Skilled labour, Polytechnic in Horticulture, Vadodara

May 2015

- 5 Shri Devubhai Shibhabhai Chauhan, Associate Professor, BACA, Anand
- 6 Dr. Prahladbhai B. Patel, Assistant Research Scientist, Devataj
- 7 Dayalsharan R. Panchal, Agril. Supervisor, Thasra voluntarily retired
- 8 Shri Somabhai S. Vasaa, SRA, BACA, Anand
- 9 Ramilaben B. Prajapati, Senior Clerk, Office of the Comptroller, Anand
- 10 Smt. Vandevi G. Mahida, Senior Clerk, Office of the Director of Information Technology, Anand voluntarily retired.
- 11 Shri Kirankumar K. Shah, Senior Clerk, Office of the Director Student Welfare, Anand
- 12 Shri Jayantibhai B. Makwana, Peon, ICAR Unit, Anand
- 13 Shri Chandubhai S. Chavda, Lab. boy, Office of the Director Student Welfare, Anand
- 14 Shri Bachubhai S. Gohel, Helper, College of Vet. Science & AH, Anand
- 15 Shri Udesingh D. Parmar, Khet Majdur, BTRS, Anand
- 16 Sirajunisha Ahemadali Saiyad, Peon, Office of the Director of Extn. Education, Anand

June 2015

- 17 Dr. Subhash Narayan, Professor, Biotechnology Unit, Anand
- 18 Dr. Bhailalbhai Manibhai Patel, , Professor, BACA, Anand
- 19 Shri Sanjivkumar, Asst. Professor, IABMI, Anand
- 20 Dr. Gordhanbhai M. Patel, Assoc. Extension Educationist, EEI, Anand
- 21 Shri Ramjibhai C. Patel, Asstt. Research Scientist, Nawagam
- 22 Shri Morubhai Jivanbhai Gadhvi, Agri. Supervisor, Dhandhuka
- 23 Shri Yusufbhai Shankarlal Parmar, SRA, BTRS, Anand
- 24 Shri Narsinghbhai Hircabhai Maliwad, Sr. Clerk, Polly. Dahod
- 25 Smt. Alkaben Jitendrakumar Desai, Sr. Clerk, ICAR, Anand
- 26 Shri Himatsingh Pratapshing Mahida, Driver, DSW, Anand
- 27 Shri Hisamudin Nazimkhan Kurashi, Driver, FPT&BE, Anand
- 28 Shri Maksudali Aminudin Saiyad, Compressor Attendant, Dairy Science, Anand
- 29 Shri Chimanbhai Girdharbhai Gohel, Dairy Worker, Dairy Science, Anand
- 30 Shri Madhushin Khodabhai Zala, Dairy Worker, Dairy Science, Anand
- 31 Shri Chandrakant Bhanubhai Parmar, Dairy Worker, Dairy Science, Anand
- 32 Shri Shanabhahi Fulabhai Parmar, Peon, Exe. Engineering, Anand
- 33 Shri Udesingh Aitarambhai Chavda, Animal Bird Attent (Suprim), Veterinary College, Anand
- 34 Shri Zaverbhai Nanabhai Tadvi, Helper, Derol
- 35 Smt. Sudhaben Kabhabhai Solanki, Animal Attent. (Suprim), Veterinary College, Anand

*'FAILURE is not the opposite of SUCCESS
it's a part of success'*

Book-Post

To

From :
The Editor
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