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From the Desk of Vice Chancellor.....

National Milk Day

Milk and milk products are consumed by millions of people around the world every day. These products do not only serve as a vital source of nutrition for people, but also as a source of livelihood opportunities for farmers, processors, shopkeepers and other stakeholders in the production and supply chain. In our country, milk is produced by "small land-holders". It provides relatively quick returns to small-scale producers and is an important source of cash income. Livestock in general and dairying in particular plays a vital role in the Indian economy and also in the socio-economic development of more than 70 million farmers and rural households. Within Livestock sub-sector, dairying is an important economic activity accounting for about 67 per cent of the value of output of Livestock subsector in agriculture.

Milk is a well-accepted and wholesome food and beverage for all age groups. It contains most of the nutrients necessary for growth and development. All the macro and micro-nutrients are present in an easily digestible and assimilable form in milk. Milk proteins possess high biological value. For strict vegetarians, milk is the only source of vitamin B12.

India is the world's largest milk producer and contributing about 22 percent to global milk production. India produced 198.44 million tons of milk in year 2019-20, up from the previous year's 187.7 million tons. The milk production in the country had an increase of 5.69 per cent over the previous year. The per capita availability of milk is 406 grams per day.

During the 1950s and 1960s, our country used to be milk deficient and imported milk from other countries to serve its growing population. The journey from being a milk deficit country to becoming the world's largest milk producing nation has been exemplary. It wasn't until 1965, when the Indian government decided to establish a National Dairy Development Board to develop India's dairy sector. Soon in 1970, the country aimed to enhance milk production and Dr. Kurien drew up and launch a project called Operation Flood that led to "White Revolution". Dr. Kurien was the architect of India's White Revolution. Every year, November 26 is celebrated as National Milk Day in India. The day is being observed since 2014 to commemorate the birth anniversary of the Father of India's White Revolution, Dr. Verghese Kurien. He is also nicknamed as "Milkman of India".


(K. B. Kathiria)



The Pre-Vibrant Gujarat Summit 2021 - AGRO and FOOD PROCESSING: Entering a new Era of Co-operation" was successfully organized at Anand Agricultural University (AAU), Anand during 14-16th December 2021 in the august presence of **Shri Acharya Devvrat**, Hon'ble Governor of Gujarat, **Shri Parshottambhai Rupala**, Hon'ble Union Minister of Fisheries, Animal Husbandry and Dairying, Govt of India (GoI); **Shri Jagdishbhai Ishwarbhai Vishwakarma (Panchal)**, Minister of Cottage Industries, Co-operation, Salt Industries, Protocol (Independent Charge), Industries, Forest, Environment & Climate Change, Printing & Stationary (State Minister), Government of Gujarat (GoG); **Shri Mukeshbhai Zinabhai Patel**, Minister of Agriculture, Energy and Petrochemicals, GoG. Couple of Ministers from other States (Bihar, Tripura) too graced the occasion. Shri Manish Bhardwaj, Secretary, Agriculture, Farmers Welfare & Co-operation Department, GoG; Shri N. B. Upadhyay, Secretary, Animal Husbandry, Cow Breeding, Fisheries & Cooperation, GoG; and Shri Mahesh Singh, Managing Director, Gujarat Agro-Industries, GoG; also, actively partook in the session. Hon'ble Vice Chancellors of 4 State Agricultural Universities (SAU), Kamdhenu University (KU) and Organic Agriculture University of Gujarat, attended this vital session.

A large number of participants attended this session that involved industrialist, government officers, faculties, academicians and scholars across various discipline and organization. Summit encompasses multiple focus themes (about 10), technical sessions (about 15) and eminent speakers (about 90). Aim of this vital meet was set as to show best managerial practices, challenges & policy meets for revamping Indian agriculture via natural farming; with active deliberations across varied stakeholders.

Hon'ble Governorshri, Shri Acharya Devvrat, mentioned about importance and potential of **Natural Farming** in Gujarat, looking health of soil at one end while improving farmer's income on other. He urged the need for motivating farmers for realizing enormous benefits from chemical free farming. Shri Parshottambhai Rupala, Hon'ble Union Minister of Fisheries, Animal Husbandry and Dairying, Govt of India (GoI); stated the importance of this 'pre-vibrant meet' towards gathering producers, investors, and consumers on a single platform. 'Atmnirbhar Bharat' and many other such initiatives taken by Hon'ble Prime Minister, GoI, are offering many such opportunities for Indian farmers. In his address Shri Mukeshbhai Zinabhai Patel, Ministry of Agriculture, Energy and Petrochemicals, GoG informed that in Gujarat the large scaled farmer-centric program ('Krishi Mahotsav' & 'Soil Health Card') were initiated by the than Chief Minister of Gujrat Shri Narendrabhai Modi. **Shri Raghavjibhai Patel**, Minister of Agriculture, Animal Husbandry, Cow-Breeding, GoG quoted Gujarat as one of the states having ample employment & prosperity.

In other segments of session, e-launching of several newly established institutions/centres, was done; by Hon'ble Governorshri and other dignitaries on dais. A vital publication namely '**AAU at a Glance**', from AAU was too released. Afterward, a large number of MoUs were signed across industries and GoG organizations, under broad areas (large scale production for ethanol, frozen potato chips, spices and fisheries); having financial outlay to the tune of INR 2500 crore.



Inauguration of Pre-Vibrant Gujarat Summit 2021 in the august presence of Shri Acharya Devvrat, Shri Parshottambhai Rupala, Shri Raghavjibhai Patel, Shri Jagdishbhai Ishwarbhai Vishwakarma (Panchal), Shri Mukeshbhai Zinabhai Patel, Dr. K. B. Kathiria and other distinguished personalities.



The summit was enhanced by an exhibition with more than 300 exhibitors from across the country. AAU had 18 stalls out of that. During the previous six years, the government has taken various steps to change agriculture in order to enhance farmers' income. Efforts are being made to promote and support projects that will lead to system sustainability. Farmers, industrialists and students from State Agricultural Universities of Gujarat flocked to the Exhibition Dome. During the visit, they actively interacted regarding agricultural technologies displayed at stalls. The students of various colleges of AAU also visited the exhibition and actively interacted with the exhibitors to get acquainted with the latest technologies demonstrated.

This vital session under pre-vibrant Gujarat summit 2021 was held in hybrid mode where **Shri Narendrabhai Modi**, Hon'ble Prime Minister, Gol, virtually graced the occasion for whole session at Validictory Function. In this function, Hon'ble Chief Minister of Gujarat, **Shri Bhupendrabhai Patel** mentioned the importance and relevance of natural farming for Gujarat state, where, the concept is being executed with a long vision extending from "Atmanirbhar Gujarat' to 'Atmanirbhar Bharat". **Shri Narendra singh Tomar**, Hon'ble Union Minister for Agriculture and Farmers Welfare, Gol, deliberated in his special address the different schemes from Union & State Govts, which can directly or indirectly promote natural farming adaptations. He mentioned about the higher sensibility of Shri Narendrabhai Modi, Hon'ble PM, Gol, what he has towards Indian farmers, and other socio-economically weak segments of society. **Shri Amitbhai Shah**, Hon'ble Union Minister for Home affairs and Co-operation, Gol; addressed the gathering by mentioning the importance of natural farming for which Hon'ble PM is instrumental. He backed that this valuable concept needs to be propagated, followed by its effectual beneficial deliverable to the farmers.

Shri Narendrabhai Modi, Hon'ble Prime Minister, Gol; started his leading address showing his happiness on seeing a huge audience (about 8 crore) which includes farmer, researchers, entrepreneurs, industrialists, academicians, and many more relevant stakeholders involved in agrarian sector. At very first he appreciated the valuable speech rendered by Hon'ble Governor on natural farming involving each and every conceptual element in a very simple but holistic manner. It was mentioned by him that the next 25 years of Indian agriculture are going to be revolutionary; where natural farming will remain on central stage. It is small and marginal farmers which are going to be most beneficiated. As usual Gujarat is going to pilot this vital concept of natural farming, where input cost for agriculture is going to be almost negligible and still offering higher benefits for the farmers being ecofriendly too. He cited many of quotes as prevails in ancient's literature (Sanskrit, Tamil & Hindi) by famous poets, to code & decode the mantras and formulas of successful, sustained and environmental friendly



Hon. Vice Chancellor, Dr. K. B. Kathiria felicitating Hon. Governor Shri, Acharya Devvratji





A National Symposium on “Recent Developments in Agronomy” was jointly organized by the Department of Agronomy and BACA Alumni Association, B. A. College of Agriculture, Anand Agricultural University on the occasion of Platinum Jubilee of BACA and *Azadi Ka Amrut Mahotsav* on 23rd October, 2021. The inaugural session of the symposium was presided by Hon. Vice Chancellor of Anand Agricultural University, Anand, Dr. K. B. Kathiria. Deputy Director General (NRM), Dr. Sureshkumar Chaudhari, ICAR, New Delhi was the Chief Guest and Ex Vice-Chancellor, Gujarat Agricultural University, Sardarkrushinagar, Dr. C. H. Rana and Director of Research and Dean, PG studies, Anand Agricultural University, Anand, Dr. M. K. Jhala were the Guests of Honour.

Principal and Dean, B. A. College of Agriculture, Anand Agricultural University, Anand, Dr. Y. M. Shulka welcomed all dignitaries and participants. Dr. M. K. Jhala briefed about the role of agronomy and plant breeding in the green revolution. He mentioned that agronomy discipline provides the various technologies to the farming community for increasing crop production. Dr. C. H. Rana, pointed that

because of increasing population in the country demand for food, fodder and fuel is increasing so, it is required to motivate farmers to use fertilizers based on soil testing, precision farming and other improved technologies to increase the production.

Dr. Sureshkumar Chaudhari discussed that agronomy is integration of many things and explained about the role of agronomy with suitable examples. He also said that molecular breeding, irrigation, weed management, crop production technology, sustainable soil management and crop husbandry indirectly connected with agronomy. He appreciated the work of agricultural scientist and told that integrated farming system will solve the challenges to doubling of the farmers' income. He also told that ICAR has decided to push the organic farming in hotspot area with selective commodity. He stressed on optimum use of irrigation water for crop production. He informed that all the IFS and sensor based precision farming will help in increasing farmers' income. Further he told that in India 30 % land is under irrigation and 70 % land is under rain fed cultivation, so it is needed to increase irrigation facility to reach 50: 50 (50 % irrigation and 50% Rain fed).

The inaugural session was ended with a vote of thanks by Convener and Head of Department, B. A. College of Agriculture, Anand Agricultural University, Anand, Dr. V. J. Patel.

In symposium session, first key note lecture (virtual) was delivered by Extension Weed Management Specialist, Department of Agronomy and Horticulture, University of Nebraska, LINCOLN, USA, Dr. Amit J. Jhala. He explained about the *Management Practices of Herbicide Resistance in weeds*. He also focused on weed resistance in diversified



cropping system. The second key note lecture was delivered by Joint Director of Agriculture, Government of Gujarat, Gandhinagar, Dr. Y. I. Sihora. He explained the **Modern Techniques in Farm Mechanization for Agriculture production**. He described the benefits of agriculture mechanization, better seedbed preparation, mechanic methods for weed and pest control, mechanization of harvesting of crop and better crop residue management and various scheme of Government of Gujarat to support the farm mechanization in the present era of agriculture.

NATIONAL WORKSHOP (ONLINE) ON INTELLECTUAL PROPERTY RIGHTS & INNOVATIONS

Intellectual Property Rights Cell (IPR Cell), Directorate of Research, Anand Agricultural University, Anand organized one day national workshop (online) on “Intellectual Property Rights & Innovations” on 27th October, 2021 in collaboration with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur. The main aim of this webinar was to create awareness and enrich knowledge of IPR, generate understanding about patent drafting, filling and granting procedure as well as awareness about importance of patenting novel ideas and innovations. More than 380 participants benefited by this one day National Workshop.

ORIENTATION PROGRAMME FOR PG STUDENTS

Post-graduation is indeed a phase of training when a graduate is expected to acquire skills under supervision, in a particular specialty, so that he/she may become capable of mastering skills & functioning independently. Often, new graduates start this period without any clear aim. An innovative effort was made by Dean P.G. Studies, to chalk out and flinch a formal orientation program at University level, which remains entirely dedicated to post graduate students. Faculty members & administrators, PG studies also participated in this vital event on 22-10-2021 at Auditorium, B. A. College of Agriculture, AAU Anand. The program comprised a knowledge full presentation from Dr. M. K. Jhala, Director Research and Dean P. G. Studies. It



remained highly worthwhile and eye opener for newly admitted PG scholars as well as relevant faculty members to get along with updated modes of various learning experiences. It was focused towards developing a needful sensitization for seeking knowledge, skills & attitudes as required for their respective subject lines / profession; via smarter ways of erudition through interactive lectures, digital technologies & group discussions. About 150 P.G. Guides/Teachers of Agriculture/Horticulture Faculty (at the main campus as well as at the Sub-Centers) physically attended this vital event; along with about 125 newly admitted (2021-22) Masters/PhD students.

INAUGURATION OF 10TH BATCH OF DAESI

Inaugural ceremony of 10th batch of Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course was organized at Yagyavalkya Hall,



University Bhavan, Anand Agricultural University, Anand on 1st October, 2021 under the chairmanship of Dr. K. B. Kathiria, Hon. Vice Chancellor, AAU, Anand. Dr. M. K. Jhala, Director of Research and Dr. H. B. Patel, Director of Extension Education, AAU, Anand remained present as the Guest of Honor. Deputy Director of IDEA, Prof. R. B. Chauhan also graced the programme by his presence.

TRIBUTE TO BRAVE HEROS OF THE NATION : GENERAL BIPIN RAWAT AND OTHER MARTYRED SOLDIERS



Tribute was paid to General Bipin Rawat and other martyred soldiers by the officers/staff and students of Anand Agricultural University. On 9th December 2021. *Shradha Suman* was offered by Anand Agricultural University to Chief of Defense Staff, Late Shri Bipin Rawatji, his wife and 11 other soldiers who were martyred in the helicopter crash. Prayers were held at the main campus of Anand Agricultural University as well as at all sub-centers / colleges for all martyred soldiers. In addition, the students of the university paid homage by making a video showing the biography of Shri Bipin Rawatji and his bravery as well as gallantry. The prayer meeting was attended by a large number of all the University officials, staff, students and especially the NCC cadets of the University, including Hon. Vice Chancellor, Dr. K. B. Kathiria.

ORGANIZATION OF TRAINING PROGRAMMES

TRAINING PROGRAMME ON OILSEED CROPS

Under the aegis of ICAR sponsored Seed Project, Regional Research Station, Anand Agricultural University, Anand organized one day training programme on **Oilseed Crops** at Pundhra, Ta. Mansa, Dist. Gandhinagar on 17th November 2021. Total 58 progressive farmers participated in this programme.

Ex. Nodal Officer (Seed) & Research Scientist, RRS, AAU,



Anand, Dr. A. D. Patel and Technical Coordinator, M/s Vadilal Industries, Pundhra invited the progressive farmers of Mansa area to get knowhow of oilseed crops in general and newly released varieties in particular.

Nodal Officer (Seed) & Research Scientist, RRS, AAU, Anand, Dr. A. S. Bhanvadia, informed farmers about suitability of the recently released Groundnut variety GG 34 in that area. He also gave the information on Castor GCH 10 and Castor GAC 11. Asst. Research Scientist, RRS, AAU, Anand, Dr. K. V. Patel has briefed about new varieties of Castor and their peculiarities.



TRAINING PROGRAMMES BY ARS, SANSOLI

Four different training programmes were organized by the Agricultural Research Station, AAU, Sansoli during Oct 2021 to Dec 2021. Total 374 farmers of Mahemdavad and Kathlal taluka of Kheda district participated in these programmes. During the training programmes, lectures on different aspects viz., procedure of soil sample collection for analysis, precision farm management, pesticide selection, its effective use, safeguards for use, pesticide residue and its management, participative irrigation management, natural farming, etc. were delivered by the scientists of the centre and experts from the state department.



PRAKRUTIK KHETI TRAINING PROGRAMME

Total 11 trainings on 'Natural Farming for sustenance and enhancement of productivity and profitability' were conducted by KVK, AAU, Dahod from October to December. These trainings saw an enthusiastic participation by 601 farmers and farmwomen of Dahod. Scientists of KVK, AAU, Dahod created awareness among the farmers about the methods for preparation of *Jivamrut*, *Ghan Jivamrut*, *bijaamrut*, *Nimastra*, *Brahmastra*, etc. and the ways to use them.



TRAINING ON COW-BASED NATURAL FARMING

Two sponsored training programmes on Cow based Natural Farming were organized during October to December 2021. Total 49 farmers and farm women participated in these programmes. Dr. Y. C. Lakum, Scientist (Agronomy),

discussed the concept and different aspects of natural farming. Demonstration of the preparation of *Jivamrut*, *Bijamrut*, *Dasparini Ark* was done in this training.



INTRODUCTORY LECTURE SESSION UNDER ICDS SCHEME

Seed Spices Research Station, AAU, Sanand organized an introductory lecture session for 32 girls under the Integrated Child Development Service (ICDS) scheme. ICDS scheme is one of the flagship programme of the Government of India and represents one of the world's largest and unique programme for early childhood care and development. The girls were acquainted with the basic activities of research station, farming system and weather station equipments.



CELEBRATION OF NATIONAL FARMERS' DAY

SARDAR SMRUTI KENDRA

Kisan Divas or National Farmers' Day was celebrated by Sardar Smruti Kendra, AAU, Anand on 23rd December 2021 and Dr. Mukesh R. Patel talked about different extension activities of university and importance of *Kisan Divas*.

KVK, DEVATAJ

Krishi Vigyan Kendra, AAU, Devataj celebrated *Kisan Divas* in memory of the 5th Prime Minister of India Late Shri Chaudhary Charan Singh on 23rd December, 2021 at KVK campus under *Swachhhata* Pakhwada. Total 30 farmers from different villages actively participated. Farmers were also informed about the role of Shri Chaudhary Charan Singh for welfare and development of farmers in India. He also discussed the cleanliness surrounding our areas and the activities of *Swachh Bharat Abhiyan*.



CELEBRATION SWACHCHHATA ABHIYAN

SMC POLYTECHNIC IN AGRICULTURE



Students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand celebrated 2nd October, 2021 as *Swachchhata Abhiyan* and on this occasion students cleaned their rooms and surrounding areas of their hostel. They also took pledge to keep all these areas clean round the year.

KVK, DAHOD

Two different Programmes, a Special Swachhta Campaign from 02nd October to 31st October 2021 and a Swachhta Pakhwada from 16th to 31st December were organized by KVK, AAU, Dahod. Total of 17 different events and activities were organized during these two programmes, wherein total 455 participants involved actively.



KVK, DEVATAJ

KVK, AAU, Devataj organized various programs under *Swachchhata Pakhwada* from 16th-31st December 2021 at the KVK campus and various villages of Anand district. Total 13 programmes consisting different activities like taking swachhta pledge and plantation of trees, cleaning of offices and disposal of old records, Cleanliness drive in residential colony and disposal of non-biodegradable waste, waste management and utilization of organic waste, composting of kitchen and home waste were organized. Awareness programme on recycling of wastewater, awareness camp on *Swachchhata and Swachchhata* rally, sanitation camp for farmers and farm women, awareness on Single-Use Plastic, an essay writing competition for school children were organized in which total 465 farmers, farm women and students participated.



CELEBRATION OF AGRICULTURAL EDUCATION DAY

SMC POLYTECHNIC IN AGRICULTURE

The Agricultural Education day was celebrated by the students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 3rd December, 2021. Total 110 Students actively participated in this programme. NSS Programme Officer, Dr. J. I. Nanavati informed about Agricultural Education. He gave information on various agricultural courses run by the State Agricultural Universities of Gujarat, as well as importance of polytechnic diploma courses, UG courses and PG courses in agriculture and allied subjects.



KVK, DAHOD



Agricultural Education Day was organized and celebrated at KVK, AAU, Dahod on 03rd December 2021. The participants were made aware about their role of agricultural education in

agriculture and its allied fields. The programme was conducted smoothly and successfully by KVK scientists and was actively participated by 70 students.

KVK, DEVATAJ



Agricultural Education Day was celebrated on 03rd December 2021 at KVK Campus. Total 64 students from primary school of Devataj village actively participated. They learned

basic knowledge of agriculture and general farming practices of different crops.

CELEBRATION OF WORLD SOIL DAY

SMC POLYTECHNIC IN AGRICULTURE

As a part of celebration of world soil day 2021, Department of Soil Science and Agricultural Chemistry, BACA, AAU organized a poster competition for the students of agriculture faculty. In this competition, total 20 students of Seth M. C. Polytechnic in Agriculture participated and jury



adjudged three posters for the prize from all the polytechnic colleges of SAU. Mr. Raj Aniruddh, 2nd year students S. M.C. Polytechnic in Agriculture, AAU, Anand got 1st rank among all the participants of all polytechnic colleges of Anand Agricultural University, Anand and also got 1st ranked among all the participants of SAU Polytechnics. Beside this, Miss Harshita Tripathi, 2nd year student of S.M.C. Polytechnic in Agriculture, AAU, Anand got 2nd rank among all the participants of all polytechnic colleges of Anand Agricultural University, Anand.

KVK, DAHOD



World Soil Day was celebrated at KVK, AAU, Dahod on 05th December 2021. The participants and organizers took pledge themselves for conserving and improving the fertility of the soil. The farmers were

informed about the bleak future, if the present scenario is continued. Further, the Scientists of KVK, AAU, Dahod, created awareness among the farmers about the various advantages of soil testing and various ways in which the fertility of the soil can be conserved and improved. This celebration was enthusiastically attended by 62 farmers.

KVK, DEVATAJ

Krushi Vigyan Kendra, Anand Agricultural University, Devataj celebrated World Soil Day on 05th December 2021 at KVK Campus. Total 51 farmers participated in this program. Asso. Prof, Dept. of Agril. Chem. and Soil Science, BACA, AAU, Anand, Dr. J. K. Parmar remained present as a chief guest and informed farmers about the importance of soil testing, soil health card, and steps to control soil salinization.



CELEBRATION OF NATIONAL MILK DAY

KVK, DAHOD

Both 'Constitution Day' and 'National Milk Day' were celebrated by KVK, AAU, Dahod on 26th November 2021 in collaboration with PAE, AAU, Dahod. The scientists of KVK, and faculty of PAE, AAU, Dahod, took part in creating awareness about the importance of our constitution and imparting knowledge about the fundamental rights and fundamental duties of an Indian citizen. All those attending the programme took oath together and pledged to abide by our nation's constitution. A detailed presentation, explaining the before and after scenario of 'White Revolution' and 'Operation Flood' and the accomplishments of Indian dairy sector was elaborated. Total of 84 participants attended the programme with great enthusiasm.

KVK, DEVATAJ



Krushi Vigyan Kendra, Anand Agricultural University, Devataj celebrated National Milk Day on 26th November 2021 at Dali village, Ta. Sojitra. Scientist (Animal Science), Dr. Shrikant B.

Katole informed about the history behind the celebration of National Milk Day and the initial development of the co-operative movement in the dairy sector of India. Total 40 farmers of the village actively participated.

KHEDUT SHIBIR

Paddy Research Station, Anand Agricultural University, Dabhoi, organized Khedut Shibir on 07th December 2021. Total of 51 farmers, enthusiastically participated in it. Deputy Director, Water Management Forum-Ahmedabad, Shri Vijaybhai Solanki remained present as a Special Guest.

In the beginning of the program, Shri. D. K. Rathwa, Agriculture Officer warmly welcomed the chief guest, officers of the centres and all the participants.

The Chief Guest Shri. Vijayabhai Solanki gave a speech on irrigation management. He advised the farmers to adopt the micro-irrigation method to make efficient use of available water and to protect soil from detrimental effect on the health of soil.

Unit Head, Mr. A. G. Pampaniya, explained the farmers about the scientific way of cultivation of wheat. He briefed about the newly released variety of wheat GW 451.

Senior Research Fellow, Dr. Vipul Patel, gave his talk on integrated weed management in wheat crop.

Agriculture Officer, Mr. Dhansingh Rathwa informed the farmers about the usefulness of NADEP compost and organic manure.



ACTIVITIES OF INFORMATION TECHNOLOGY CENTER

Technical support and Infrastructure - Live Streaming

Information Technology Center facilitates the well-furnished and Wi-Fi equipped computer lab for the use of university staff (faculty/students) as and when they required. IT center facilitates the different departments for conducting the online workshop, webinar, training, meeting, and live streaming at the computer lab.

Online exam

In this pandemic of COVID 19, Online Objective Examination System developed and managed by the IT center is used by different departments/colleges of the AAU. Online entrances exams of different programme, internal and semester end examinations of different colleges were conducted using this system.

Entrance test

Following entrance tests/online tests were conducted at the Computer Lab of IT Center in the month of October to December, 2021:

- ◆ NAHEP - RA recruitment entrance exam
- ◆ NAHEP - SRF recruitment entrance exam
- ◆ Online exam (ASCI) - Extension Education Institute

Online Admission

Online B-group admission process (merit and online allocation process) of students of all the 4 SAUs was completed.

e-Learning

IT center is supports the e-learning at AAU through the smart and virtual classroom during this COVID pandemic.

ACTIVITIES OF SARDAR SMRUTI KENDRA

- ◆ One day training programme was organized at Sardar Patel Agricultural Educational Museum for officers of Krishak Bharti Cooperative Limited (KRIBHCO) on 11th October 2021 under the chairmanship of Hon. Vice Chancellor, AAU, Anand, Dr. K.B. Kathiria.
- ◆ Farmers of Kamareddy district, Telangana state visited Sardar Patel Agricultural Educational Museum during the Interstate exposure visit on 7th December 2021.



ACTIVITIES OF SMC POLYTECHNIC IN AGRICULTURE

CELEBRATION OF RASHTRIYA EKTA DIVAS

31st October, 2021 is the birth anniversary of Sardar Vallabhbhai Patel, which is a special occasion to foster and reinforce our dedication to preserve and strengthen unity, integrity and security of our nation by reinforcing the value of united India. Considering these values, Sheth M. C. Polytechnic in Agriculture, AAU, Anand celebrated Sardar Vallabhbhai Patel Jayanti as *Rashtriya Ekta Divas* by taking pledge along with Dr. V. J. Patel (Principal), Dr. J. I. Nanavati (NSS Program Officer), other staff members and 118 students actively participated in this occasion.



CELEBRATION OF SARDAR PATEL JAYANTI

As a part of celebration of Sardar Patel Jayanti guest lecture on “Sardar Patel as Iron Man of India” was organized at SMC Polytechnic in Agriculture,



AAU, Anand. On this occasion, Principal & Dean, B. A. College of Agriculture, AAU, Anand, Dr. Y. M. Shukla remained present as chief guest. Former Principal, College of Horticulture, AAU, Anand, Dr. H. C. Patel delivered talk on important life activities of Iron Man of India. This programme was organized by the Principal, S.M.C.P.A., Dr. V. J. Patel, SRC Chairman, Mr. S. V. Rathod and other staff members and students.

THALASSEMIA AWARENESS AND TEST

Sheth M. C. Polytechnic in Agriculture, AAU, Anand arranged programme for thalassemia awareness and test on 27th November, 2021. Total 78 Students of first and third semesters participated in this programme. Expert from Red Cross Society, Ahmedabad gave a talk on thalassemia problems in social life and its preservative measures. The blood samples of first and third semester students were collected for thalassemia test.



ACTIVITIES OF B. A. COLLEGE OF AGRICULTURE

- ◆ KRIBHCO marketing team of Gujarat led by Deputy General Manager (Mktg.) visited Department of Agricultural Microbiology, BACA, AAU, Anand on 11th October 2021 for getting information about production, quality testing and field testing of biofertilizers and showed interest in Bio NPK liquid biofertilizer technology for further collaboration.
- ◆ Dr. Kasamali and team from GOLDENSOL producers Company Ltd., Sabarkantha, Gujarat visited biofertilizer production unit, BACA, AAU, Anand on 18th October 2021 and got information about technology knowhow and commercialization of the LBF technology.
- ◆ Women farmers of Babara taluka of Amreli district visited Department of Agricultural Microbiology & Biofertilizer Projects, BACA, AAU, Anand through ATMA Project, Amreli on 23rd December 2021. The farm women were informed about liquid biofertilizers and their benefits and encouraged to use liquid biofertilizers largely to reduce chemical fertilizer usage and nurture soil health.

ACTIVITIES OF KVK, DAHOD

FIELD DAYS ON SOYBEAN & MAIZE

- ◆ A Field Day on Maize was organized and conducted by KVK, AAU, Dahod, at Thala (Limdi) village of Jhalod Taluka on 08th October 2021. Wherein, scientists of KVK, AAU, Dahod, Shri N.D. Makwana and Shri G.K. Bhabhor, showed the results of Frontline demonstration and enumerated the various benefits of



Maize variety GM-6 as compared to other varieties. All farmers were motivated to adopt the GM-6 variety of maize for higher profitability. This programme saw an enthusiastic participation of 46 farmers and farm women.

- ◆ Two different programmes of Field Day on Soybean (NRC-37) were organized and conducted by KVK, AAU, Dahod, one each at Sanjeli village of Sanjeli Taluka on 20/10/2021 and Rayan village of Garabada 23rd October 2021, respectively. In these programmes scientists of KVK, AAU, Dahod, Dr. H. L. Kacha, Dr. N.D. Makwana and Dr. G.K. Bhabhor, showed the results of Frontline demonstration and enumerated the various benefits of Soybean variety NRC-37 as compared to other varieties. All farmers were motivated to adopt the said variety of soybean for higher profitability. These programmes saw an enthusiastic participation from a total of 102 farmers and farm women.



INM CERTIFICATE TRAINING COURSES FOR INPUT DEALERS

Two separate training programmes on 'Integrated Nutrient Management' for two batches of input dealers were organized and conducted by KVK, AAU, Dahod in the month of October 2021. The first batch had 36 trainees while the second batch had a total of 31 trainees. Lectures were conducted both in physical and virtual mode which covered in detail all the aspects of Integrated Nutrient Management. The trainees were evaluated on the basis of a written exam, a practical exam and viva-voce. 66 trainees were awarded with the certificates.



CELEBRATION OF JAL SHAKTI ABHIYAAN 2021

Jal Shakti Abhiyaan was organised by Krishi Vigyan Kendra, AAU, Dahod from 01st October to 30th November 2021. During this period, 19 training programmes were organised wherein a total of 1055 participants showed enthusiastic involvement and 10 awareness programmes were also organised which had a total of 380 keen attendees. A total of 75 seed packets and 76350 saplings were distributed among the participants.



LIVE WEBCASTING OF HON. PM'S ADDRESS

On 16th December 2021, our Hon. Prime Minister, who is dedicated to improve agriculture in our country addressed

the nation about Natural Farming in a live streaming through a webcasting programme organized during Pre Vibrant Gujarat Summit 2021 jointly organized by KVK, AAU, Dahod and Line Department of Dahod District at Topi Hall, Dahod, wherein total 814 participants participated actively.

CELEBRATION OF JAY KISAN JAY VIGYAN WEEK

Rashtriya Kisan Divas was celebrated at KVK, AAU, Dahod on 23rd December 2021.



CAPACITY BUILDING TRAINING PROGRAMMES

Two training programmes of three days were conducted on 'Scientific Goat Farming for Sustainable Livelihood' during 15th-17th December 2021 and 27th-29th December 2021 at KVK, AAU, Dahod. Total 57 farmers and farm women participated in these training programmes.



ACTIVITIES OF KVK, DEVATAJ

CERTIFICATE COURSE ON INM FOR INPUT DEALERS

KVK, AAU, Devataj organized 15 day residential certificate course for input dealers from 20/07/2021 to 8/10/2021 on "Integrated Nutrient Management" at Aniket Farmers Hostel, AAU, Anand. A total of 43 participants from middle Gujarat actively participated in this program.

CELEBRATION OF MAHILA KISAN DIVAS

KVK, AAU, Devataj celebrated *Mahila Krishi Divas* on 15th October 2021 at Devataj in which 68 girls and farm women participated. Senior Scientist & Head, KVK, AAU Devataj, Dr. A.C. Vaidya discussed the role of women in agriculture. He insisted that farm women play a key role in value addition in agriculture and animal husbandry.

CELEBRATION OF WORLD FOOD DAY

Krushi Vigyan Kendra, AAU, Devataj celebrated World Food Day on 16th October 2021 at village Mahiyari, Ta. Tarapur. This program was attended by 25 farmers and 35 farm women. Dr. A.C. Vaidya briefed all about the World Food Day and shared the role of Food and Agriculture Organization of the United Nations and solutions to mitigate the hunger issues.



CELEBRATION OF KVK FOUNDATION DAY

KVK, AAU, Devataj celebrated its 36th Foundation Day on 20th November 2021. Total 49 participants actively participated in this programme. Mr. Jayeshbhai Patel, Progressive Livestock farmer, Zarola, Mr. Harshadbhai Patel, Progressive farmer from Piplav, Mr. Vimalkumar Patel Progressive farmer from Isnava and Mrs. Sagunaben Patel from Israma shared their experiences with the participants. Dr. A.C. Vaidya discussed activities of KVK and the success stories of KVK.



TELECONFERENCE ON WORLD FISHERIES DAY

A teleconference was organized on 21st November 2021 on the occasion of World Fisheries Day in collaboration with the Reliance Foundation. Total 51 participants attended the programme. Mr. J. H. Bhatt, Scientist (Fisheries), KVK, Devataj, and Mr. Amit Masani from Reliance Foundation discussed the various technologies of freshwater aquaculture with the participants.

KISAN GOSHTHI

KVK Devataj celebrated *Kisan Goshthi* on 24th December 2021 at Tarapur village under Jay Javan Jay Kisan week. The theme of the program was *Uttam Kheti Unnat Kisan*. Dr. A. C. Vaidya discussed the importance of this week and elaborated the benefits of adopting cow-based natural farming. Professor, Dept. of Medicine, Veterinary College, Anand, Dr. S. K. Raval provided information to control Brucellosis, Mastitis, Parasites in cattle. Dr. Y. C. Lakum discussed about irrigation management and weed management and integrated nutrient management in wheat.



CERTIFICATE COURSE ON INSECTICIDES MANAGEMENT FOR INSECTICIDES DEALERS/ DISTRIBUTORS

Krushi Vigyan Kendra, AAU Anand organized a 12 Day Certificate Course on Insecticides Management for Insecticides Dealers/ Distributors from 01st October 2021 to 20th December 2021. In this programme Director of Extension Education, Dr. H. B. Patel emphasized that there should be proper guidance and input to Insecticides dealers for optimum use of Insecticides. He also stated that such type of training will improve the economic status of the farmers. Total 49 Insecticides dealers/ Distributors participated in this training program. Total 20 lectures and 10 practicals were arranged during this training program on various topics such as brief study on management of weeds, insects, and diseases of crops, pesticide classification based on the mode of action, entry, types of formulation and usage

recommendations, symptoms of pesticides poisoning first aid and their specific antidotes, brief on responsibilities of dealers/ distributors and manufacturers, etc. Technical information and lectures were delivered by the distinguished faculty of Anand Agricultural University, Anand, and staff of KVK, Anand. This resource information was also given in the form of a manual and a kit distributed to the participants. In the valedictory program Dr. A.C. Vaidya, expressed vote of thanks for successful completion of this training program.



VISIT OF DELEGATION

- Dr. S. K. Chaudhari, DDG (NRM), ICAR, New Delhi visited Anand Agricultural University, Anand on 23rd October, 2021. He visited Sardar Patel Agricultural Educational Museum, Tissue Culture Laboratory and Pesticide Residue Laboratory. He was impressed by the research activities carried out at AAU, Anand.



- Dr. Aravazhi Selvaraj, Head Agribusiness Incubator, ICRIASAT, Hyderabad visited Department of Agricultural Microbiology on 14th December 2021.
- Dr. Sanjive Kumar, MAHU, Director Seed, ICAR visited Department of Agricultural Microbiology on 16th December 2021.
- Dr. Gagnesh Sharma, Director In-charge, NCOF, Ghaziabad visited Department of Agricultural Microbiology & Biofertilizer production plant on 15th December, 2021.

NCC

On 12th December 2021, Cleanliness campaign was organized by NCC cadets of BACA under the guidance of Hon. Vice Chancellor, Dr. K. B. Kathiria and in the presence of Director, Students' Welfare, Dr. Dinesh H. Patel and Capt. P. A. Gohil, Associate NCC



SPORTS

- ◆ Intercollegiate Table Tennis (M & W) and Chess tournaments were held on 27th November 2021 at Anand. B. A. College of Agriculture became Champion in all three events. Parmar Krishnakant, Ronak Patel and Naiya Patel and Janki Patel are selected as the university players in Table Tennis. Piparva Dharmik and Dhoriyani Dashant are selected as the university players in Chess .



- ◆ On 30th November 2021, Intercollegiate Badminton Competition (M & W) was held and BACA became champion in both the groups. Vadodariya Hrushik and Jay Italiya, Taral Jinali, Padaliya Meera and Kaklotar Hina are selected as the university players.

CERTIFICATE COURSE ON "FOOD PROCESSING TECHNOLOGY"

Three months Certificate Course on "Food Processing Technology" was started from 30th December 2021 and total 12 trainees of first batch are admitted in this course for the year 2021-22.

PUBLICATION OF FARM MAGAZINE



The Publication Unit, DoEE, AAU, Anand publishes the monthly farm magazine 'Krushigovindya' regularly for the benefit of the farming community since May 1948. There are 10,500 subscribers of this multicolored farm magazine as on December 2021.

RETIREMENTS

October 2021

- 1 Shri Vinayshing Samatsingh Kumpavat, Agri. Office, BTRS, AAU, Anand- Superannuation
- 2 Shri Rameshbhai B. Sangada, Watchmen Kalam-1, HMS, AAU, Dahod- Death

December 2021

- 3 Shri Arvindbhai Johnbhai Dabhi, Head Clerk, Registrar office, AAU, .Anand- Superannuation
- 4 Dr. Prafulkumar Jeshankar Joshi, Asso. Res. Scientist, ARS, AAU, Arnej - Superannuation
- 5 Shri G.A.Patel, Assistant Research Scientist, ARS, AAU, Viramgam, Superannuation

"Make more moves and less announcements"

- The Bald Brothers

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