



# AAU

## NEWSLETTER

Volume : 16 & 17

No. : 4 & 1

Jan-June : 2020

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@aau.in](mailto:aaunews@aau.in)

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### Message

In India, around 85 per cent farm holdings are less than two hectares and constitute core production system. Studies suggest that even though these holdings are efficiently managed, their small volumes of production lead to their poor bargaining power and thus they cannot earn net profits. This is thus a structural weakness and so the Government called for the setup of 10,000 Farmer Producers Organizations (FPOs) by 2024 to overcome this weakness and help such farmers realize the economies of scale and enhance their income. The FPOs are the best development institutions, which through aggregation, can immensely help small and marginal farmers connect both forward and backward in the Food Supply Chains.



Recently, the Operational Guidelines issued by the GoI calls for professional support to FPOs so as to infuse business culture in them. The leadership in this regard will be coming from SFAC, NABARD and NCDC, who will be supported by various national academies/institutions, as also the state governments whose pro-active support is well recognized. The GoI's thrust is thus on establishing economically sustainable FPOs while facilitating adequate market and credit linkages. An equity grant with a limit of ₹ 15 lakh per FPO and credit guarantee facility up to ₹ 2 Crore of project loan has been ensured by the Government. It is however critical to review the performance of FPOs for strategic decisions. Gujarat is having the strong hold of FPOs with the proven track record of AMUL, so FPOs have fertile ground for establishment and development. There is a felt need that FPOs shall be more promoted in case of perishables. The clusters may be developed which may later be connected to the Agri Export Zones and e-NAM and commodity markets as well. AAU has a World Bank-ICAR funded NAHEP-CAAST project on 'Center for Agricultural Market Intelligence', in which one of the core objectives is to find the status of existing FPOs in Gujarat, the challenges faced by them etc. and suggest appropriate policy interventions. The project is working in consultation with knowledgeable experts stakeholder. We have found several farmers interested in forming FPOs. I see FPOs as the future for Indian farming, which will enable India's small and marginal farmers realize their true potential, thereby enhancing their incomes.

(R.V.Vyas)



16<sup>th</sup> Annual convocation of Anand Agricultural University, was organized on 24 January 2020 in the esteem presence of Shri Acharya Devvrat ji, Hon. Governor Shri, Gujarat; Shri Jaydrathsinhji Parmar, Minister of State, Agriculture, Panchayat, Environment (Independent Charge); Dr. R. C. Agrawal; Deputy Director General (Education), ICAR; New Delhi. Dr. R. V. Vyas, Hon. Vice Chancellor, Anand Agricultural University, Anand; other dignitaries, AAU staff members and students.

Dr. R. V. Vyas in his welcome address, outlined the various activities & programmes undertaken by the university. He also briefed about the salient research activities by the university as well as MoUs signed by the university with Indian and Foreign Education Institutes.

On this occasion, 99 students were awarded with Gold Medals as well as Cash Prizes and 719 students were awarded Bachelor's - Postgraduate Degree by the Governor of Gujarat and Chancellor of Anand Agricultural University, Shri Acharya Devvrat ji who urged the younger generation to be proactive in tackling the recent challenges. He also emphasized that the graduates should focus on natural farming using natural resources. Natural resources help to maintain the fertility of the land where the productivity of the land is declining due to chemical fertilizers and pesticides. According to him, the cost of farming is higher due to chemical fertilizers while the cost of



natural farming is less and so income is increasing. Farmers can double their income through natural farming. He expressed concern over the changes taking place in the environment & climate and urged today's young generation to be aware of the environment and think seriously about quality farming for the welfare of the people.

Hon. Minister of State for Agriculture, Shri Jaydrathsinhji Parmar recalled the slogan given by the Hon. Prime Minister Shri Narendra Modi i.e. "Per Drop More Crop" to create awareness for efficient water utilization. Gujarat State has taken the lead in the implementation of micro irrigation system, which is a matter of pride. He gave an overview of the various schemes undertaken by the State Government for raising the water table such as check dams, farm ponds, bore dams, interconnection of rivers etc. Further, he asked the students to utilize the knowledge and techniques acquired by them for the overall development of agriculture and farmers as well as the villagers dependent on agriculture and to truly extend their hands to the society and the country in the field of agriculture. The Minister congratulated all the students who had graduated and received medals.

Dr. R. C. Agrawal, Hon. Chief Guest of the Convocation emphasized to the students that challenges and difficulties are a part of life. There will be many challenges and difficulties in life but right education is the key to overcome these challenges and difficulties. He further asked the students to educate the farmers about the available incentives to improve the farming system. Dr. Agrawal highlighted various measures taken by the ICAR to improve agricultural education in the country. On this occasion, Hon. Governor Shri Acharya Devvrat and the dignitaries released the '15<sup>th</sup> Annual Report' of Anand Agricultural University and a book entitled '*Khedutoni Avak Bamani Karva Mateni Margdarashika*'.





During the ceremony, the deserving faculty / scientists of AAU were honored with Best Teacher Award, Best Research Award and Best Extension Award by the certificates from the Hon. Governor Shri. Before starting of convocation foundation stone of girl's hostel laid by Hon. Governor Shri in august presence of other dignitaries at the main campus

## A WEBINAR ON AGRICULTURE AND IMPACT OF COVID-19

**State Level Key Webinar** (Attended and viewed by 10325 participant)

**Webinar on Agriculture and Impact of Covid-19**  
May 15, 2020, 10.30 am

Organized by  
Dept. of Education (GoG)  
&  
Conducted by  
State Agricultural Universities  
of Gujarat

Speakers:  
Shri. Acharya Devvrat  
Hon. Minister of State, Agriculture and Farmers' Welfare, Government of Gujarat  
Shri. Parshottam Rupala  
Hon. Agriculture Minister, Government of Gujarat  
Shri. R. C. Faldu  
Hon. Education Minister, Government of Gujarat  
Shri. Bhupendrasinh Chudasama  
Hon. Vice Chancellor, AAU, Anand  
Additional Chief Secretary, Department of Agriculture, Cooperation & Farmers Welfare, Government of Gujarat

Live <https://www.facebook.com/anandagrih1>

A webinar on "Agriculture and Impact of Covid-19" was organized by SAUs of Gujarat under the chairmanship of Hon. Governor Shri of Gujarat, Shri Acharya Devvrat on 15 May 2020. Hon. Minister of State, Agriculture and Farmers' Welfare, GoG, Shri Parshottam Rupala; Hon. Agriculture Minister, GoG, Shri R. C. Faldu and Hon. Education Minister, GoG, Shri Bhupendrasinh Chudasama addressed the participants. Though it was a new challenge in the era of Covid-19 pandemic, the webinar was successfully hosted under the chairmanship of Dr. R. V. Vyas, Hon. Vice Chancellor, AAU, Anand. The programme was graced by the Additional Chief Secretary, Department of Agriculture, Cooperation & Farmers Welfare, Shri Punamchand Parmar, Vice-Chancellors of all the SAUs of Gujarat, Officers, Scientists, Farmers and Students.

## ACTIVITIES OF AAU DURING LOCK-DOWN 1.0 to 4.0

During this difficult time of COVID-19 pandemic, which now has become a global health crisis and the greatest challenge

for human being, Anand Agricultural University has successfully continued its mandated activities *i.e.* Education, Research and Extension. Since Agricultural activities require time bound farm operations, all of our research farms were operated by limited staff with utmost personal hygiene and social distancing. Our teachers and scientists have made their constant efforts to remain connected with students even by working from home. A large numbers of online tutorials/ lectures delivered to the students through various online tools, so that lock-down time of students does not go waste and the same could be utilized for effective learning. In this tough time, many scientists of the university have actively participated in on-line conferences, workshops, certificate courses, webinars, technical discussions & brain storming sessions, which ultimately gave recognition to the University. Some of the important activities carried out at the colleges and offices of the University during lock-down 1.0 to 4.0 summarized in the following section.

### A. EDUCATIONAL ACTIVITIES

As an educational institute, first and foremost duty of an institution is to educate its students. Being one of the pioneer institutions in the country for quality education in agricultural & allied sciences to making up for the lock-down time of students was one of the concerns the faculty faced during lockdown. This long hiatus can result in significant gap in the process of education. To ensure that the students get almost the same quality education, the institution decided for online teaching using following tools.

- ♦ **Impartus:** <https://a.impartus.com/>
- ♦ **WebEX:** <https://www.webex.co.in/>
- ♦ **Zoom:** <https://zoom.us/>
- ♦ **WhatsApp:** <https://www.whatsapp.com/>
- ♦ **Google Meet:** <https://meet.google.com/>

Teachers of the institute developed course materials and presentations to communicate the subject materials to students. The university's established internet connectivity helped a lot during the process. Professors and other faculties took initiative and even conducted lectures from their home, during to lockdown situations. The faculty distributed the recorded lectures and other audio-visual materials by various means of communication. Even social media tools have been used for ensuring the continued education. While teaching the students, teachers have tried to get the feedback and

addressed queries of the students to satisfy their concerns. All the teaching materials compiled for different semesters and were shared through following link.

- ♦ **For UG courses :** (<https://sites.google.com/site/jkparmarsoil/>)
- ♦ **ICAR e-courses** (<https://ecourses.icar.gov.in/>)
- ♦ **Thesis** (<https://krishikosh.egranth.ac.in/>),
- ♦ **E-books** (<https://icar.org.in/e-books>),
- ♦ **E-journals** (<http://epubs.icar.org.in/ejournal/>).
- ♦ All the educational materials were provided and taught online through ppt/ video/youtube link/Zoom/ Google link/ Impartaus to the Under graduate and Post graduate students . Remaining syllabus for under graduate students was completed by means of using different online tools as decided at university level.
- ♦ The foreign students staying at International Hostel (ICAR funded) given all necessary support during lockdown period and taken parental care by the Deans, Warden and University Officers.

## **B. RESEARCH ACTIVITIES**

- ♦ All the essential research activities including departmental experiments, other agency experiments, P.G. students' experiments, seed production, maintenance of microbial cultures, maintenance of *Azolla* nurseries, maintenance of crop cafeteria, plant grafting, maintenance of botanical garden, salient operations of Tissue culture Laboratory, Honey bee keeping and extraction and selling of honey, mass multiplication-Isolation and spawn production of mushroom, reading and observations of weather parameters, preservation and DNA isolation etc. were operated by the employees taking due care of personal hygiene by following the norms of social distancing.
- ♦ In this difficult time, the Veterinary Clinical Complex remained committed to the animals. Extraordinary efforts put for affirming the continued health service to animals. Cases of pet animals are frequently being referred to the hospital from all over the Gujarat as well as neighboring states. During this lockdown, the Veterinary Clinical Complex has ensured the pet owners the same quality of treatment they expect from the hospital. During this lockdown, the Veterinary Clinical Complex has treated a number of dogs, horses, goats, birds and other species of animals. More than 25 surgical operations performed in emergencies. The media has also taken note of this.

Personal Protective Equipments (PPE) kits provided to the Doctors working at the Veterinary Clinical Complex to ensure their safety during their duty.

- ♦ Livestock Research Station (LRS) of AAU maintains more than 340 cattle with efficient management and support from whole staff of LRS farm has efficiently maintained routine activities during the lock-down. Various farm activities like F.M.D. vaccination of 300 animals, deworming of 300 animals, Artificial Insemination of 42 animals and calving of 15 animals were attended. The milk production increased by 13.47 per cent during lock-down period and more than 700 vermicompost bags supplied to university farms.
- ♦ Livestock farm complex is the heart of institute. The establishment serves as a place for research, experimenting new technologies, carrying out nutritional requirement calculations and serves as a model livestock farm in the country which possess more than 250 cattle and buffaloes, more than 100 sheep and goats, about a dozen laboratory animals and 2 horses. Providing all these animals regular feed & water and taking care of their health are one of the primary tasks of the farm managers. To manage about 400 animals is a challenging job, with lockdown imposed. The workers were less in number due to transport restrictions, feed and fodder cannot be easily managed which was being imported from external sources. In this situation, scientists and manager of the farm took up the task to manage the farm as efficiently as in normal situation, with the limited resources available. LFC's large source of income is selling of milk and that has been managed quite efficiently.
- ♦ During the lock-down, Poultry Research Station carried out its essential activities. Initially, hatching of eggs already loaded in incubator carried out and selling of hatched chicks was done. Routine vaccination and medication were done. Feeding, watering as well as cleaning and disinfection of poultry houses were carried out. Daily collection of eggs and appropriate storage of eggs were done. Selling of eggs was also done. Due to hot environment, sprinkling of water in the sheds and on the birds along with cold water supply to birds were carried out. Purchase of poultry feed ingredients and manufacturing of various poultry feeds for the research station were carried out.



## C. OTHER ACTIVITIES

### 1. Hostel (UG / PG / International)

- i. Four girl students sent to Bhutan on special evacuation flight on 22 April 2020.
- ii. Rectors and Assistant Rectors visited hostels regularly to know the health status of hostel residents and arranged all essential items for the international students during the lock-down period.
- iii. Monitoring of *Balram* PG Boys hostel and *Gargi* girls hostel to take care of boys and girls students staying in the hostel during lockdown.
- iv. Cleanliness around the hostels and sanitization of hostel office.



### 2. Sanitization Drive

- While allowing the employees and faculties of the institute to work during lock-down, ensuring the safety of the employees and the premises was a matter of concern. The longevity of the virus on inanimate surfaces explained thoroughly by scientists. This required an extensive individual initiative and all the faculties of the institute, took up the job of sanitization of all premises with the help of District Health Department. A Sanitization Tunnel designed in house by the faculty installed at Veterinary Clinical Complex, where the animal owners were coming from



different parts of Gujarat and at the entry level of the institute.

- Anand Agricultural University, Anand in collaboration with Anand Nagar Palika, Anand carried out Campus sanitization programme on 19 April 2020 by sanitizing office buildings, roads etc. to prevent the spread of COVID-19.

### 3. Appreciation

- Charotar Horse Society (CHS) Anand, recognized the efforts put in by the Veterinary Clinical Complex staff. While the whole world remained fearful, the doctors of this institution provided their services with utmost care and concern for animals. The society took note of this and appreciated the doctors as the 'Corona Warriors'.

### 4. Humanitarian Services

- The employees of the university remain sympathetic to the daily wage workers employed at farms and departments of the institution. The entire faculty gathered and decided to co-operate the daily wage workers and provided ration and other daily required needs.

### 5. Students' Whereabouts

- The institute is in constant touch with the students. Regular updates are taken from the students regarding their wellbeing and the conditions in their respective areas, so that effective and efficient resuming of the education can be started, whenever the condition permits. This kind of proactive approaches ensure that no student gets left in the process of online education and other administrative measures.

### 6. Administration and Management

- Employees and faculties of the University were instructed to develop a schedule where they handle the tasks of their respective department alternatively. That way, research work and other administrative work has been performed with utmost professionalism and there has not been any major delays in work, including payment of the daily wages and other farm laborers as per the university guidelines.

### 7. National Service Scheme

- The NSS volunteers of the College of Veterinary Science and Animal Husbandry actively participated in various activities during this





lockdown period like iGOT learning module registrations, Arogya Setu application and Preparation of Media for COVID-19 Outbreak Awareness. Poster as well as essay writing competitions were held to pay tribute to the selfless corona warriors. Exercise 'Yogdan' was organized for COVID-19 by NCC in Anand during April and May-2020. The students of the CAET, Godhra actively participated in various activities during this period. They have registered and participated on the iGOT online platform along with the NSS officer and received training related to COVID-19. They have also prepared a motivational video on COVID-19 to boost moral and helped people to boost up their fight against COVID-19 by posting it on several social media platforms. Students also participated in online awareness campaign through Quiz organized by Sigma Institute of Engineering, Bakrol, Vadodara and received an e-Certificate of the same.

### 8. Celebration of World Milk Day

- SMC College of Dairy Science and its Alumni Association organized Slogan Writing and Cartoon Making contests to celebrate 20<sup>th</sup> World Milk Day on 1 June 2020. Total 19 slogans and 25 cartoons were received from present students and alumni of the college. These entries were evaluated by a panel of eminent referees.

### 9. Celebration of World Veterinary Day

- On 25 April, the institute celebrated World Veterinary Day by arranging seminars, lectures, competitions and events every year. This year however, students of the institute showed their best by showing their technological prowess. They took this challenging time, to form a quiz that can help refresh the knowledge of the veterinarians. They made it available to public. More than 1200 people participated in the quiz.

### 10. Celebration of World Environment Day

- Final year students of B.Tech. (Dairy Technology)

contributed to celebration of World Environment Day. They planted trees at home and shared the photos.

### 11. Social Services

- The university has given entire guest house of more than 100 bed capacity to the district administration, which was used as a quarantine facility center for the suspects of COVID-19. The college of Agricultural Engineering and Technology, Godhra has played an active role in fighting the pandemic by extending support to the local administration by providing 280 students capacity hostel for creating a district level quarantine centre.
- Further, AAU officers, teachers and staff have also extended one day salary to CM relief Fund (for COVID-19), Govt. of Gujarat ` 21,31,270/- and retired pensioner faculties have also extended support of ` 6, 93,000/- .



PG Students recording Observations



Castor Seed production Programme

Honey Processing



Treatment of Animals with safety of the staff by using PPE kit



## DISTRIBUTION OF AYURVEDIC KAVA FOR BOOSTING IMMUNITY



The whole world is suffering from a pandemic due to COVID-19. In such a difficult time, everyone should make efforts to boost their immunity. Keeping this in mind, under the guidance of Hon. Vice Chancellor, Dr. R. V. Vyas, Anand Agricultural University, Anand, with the intention of boosting the immunity of scientists, officers, employees and farm labourers, *Ayurvedic Kava* distribution programme was organized during 9-10 June 2020. More than 1500 employees, officers and farm labourers were benefited. The entire programme was successfully organized by Dr. H. L. Dhaduk, Research Scientist of Medicinal and Aromatic Crop Research Center and Dr. Dinesh. H. Patel, Director, Students' Welfare, Anand Agricultural University, Anand.

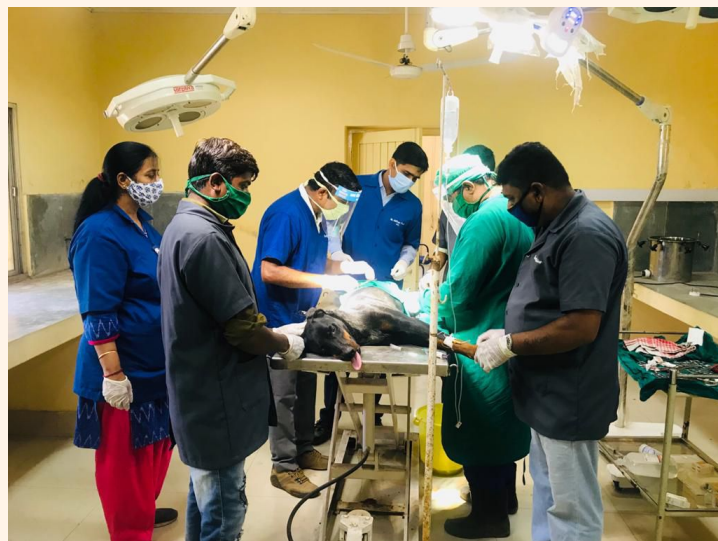
## AWARENESS PROGRAMME ON COVID-19

NSS Volunteers and employees of Anand Agricultural University joined in awareness programme on Novel CORONA Virus during COVID-19 pandemic and lockdown



period. University Officers, Unit/sub unit officers, employees, students, NSS Volunteers and NCC Cadets downloaded the Arogya Setu Mobile app and started using the app in their day to day life.

## CORONA WARRIORS OF VETERINARY COLLEGE



Veterinary Clinical Complex, College of Veterinary Science and Animal Husbandry, AAU, Anand is very well known for its expert Veterinary Treatment services to the pet and dairy animals referred from different parts of Gujarat State. During the period of lock-down due to pandemic COVID-19, the pet animals were brought for the treatment from various parts of the Gujarat State. Under this situation of lock-down in the whole of the Gujarat State, the technical and other staff members of the Veterinary Clinical Complex remained present and treated more than 850 animals of different species including 646 dogs, 114 sheep and goats, 17 horses, 16 cows, 9 buffaloes and 15 birds and 36 animals of other species under emergency and critical care. Whenever required, major and minor surgeries were also performed. The animals with conditions like colic in horses, fractures, automobile accidents, food poisoning, dystocia, urinary obstruction and certain congenital anomalies needed emergency surgical interventions which were also provided to save and extend the life of the animals.

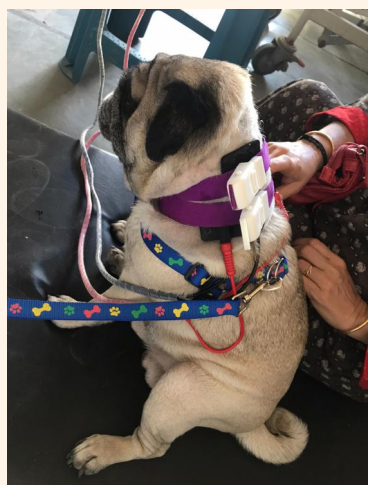
## SURGERY PERFORMED DURING COVID-19 LOCK-DOWN PERIOD

- Department of Veterinary Surgery and Radiology, College of Veterinary Science & A.H., AAU, Anand is the main referral centre for treatment of large animals like cow, buffalo etc. brought by livestock owners and also referred



by co-operative dairy veterinarians for surgical intervention. Pets are referred mostly by local practicing Veterinarians from cities like Ahmedabad, Vadodra, Surat, Rajkot, Jamnagar and other. Pets are brought not only from Gujarat but also from neighboring states for expert diagnosis and treatment. During the lock-down period, surgical treatments of animals were successfully carried out by Corona Warriors of Department of Veterinary Surgery & Radiology. Moreover, many others pet owners are also being advised on Whatsapp or others forms of communication during lock down period.

- ♦ Lots of people are inquiring if COVID -19 can infect Animals. Proper counseling has been given to them and adequate knowledge has also been provided to them, including safety measures.



- ♦ Veterinary Surgery Department daily operated more than 20 cases of Birds, Dogs, Cows, Equine, Peacock, Turtle, Goat and Parakeet for major and minor surgical work performed by Dr. P. V. Parikh and his team, which included 10 high risk surgeries with 50% staff as per Government guidelines for COVID-19. Animal owners brought their pet for surgery at Anand with prior permission from Ahmedabad, Vadodra, Rajkot, Surat and Mahisagar Districts. Department of Surgery and Radiology remained functioning during lockdown period.

## ACTIVITIES OF IT CENTRE DURING COVID-19 PANDEMIC

### e-Learning

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

### Live Streaming

IT center facilitated the live streaming of the state level webinar on Agriculture and Impact of COVID-19 organized by Dept. of Education (GoG) & conducted by State Agricultural Universities of Gujarat on 15 May 2020.

IT center facilitated the live streaming on Facebook for the webinar series organized by the College of Food Processing Technology and Bio Energy, AAU on 'Innovative Agro Food Processing Technologies for Entrepreneurship Development' during 30 May to 4 June 2020.

### Online Meeting

IT center, provided infrastructure and facilitated different departments of AAU for handling the online meetings as and when required.

### Online Exam

During pandemic of COVID-19, Online Objective Examination System developed and managed by the IT center is used by different colleges of the AAU. More than 700 students have appeared for the online examination.

## ACTIVITIES OF PVK AND TRTC DURING LOCK-DOWN PERIOD

During the Lockdown situation, Tribal Research cum Training Centre and *Pashu Vigyan Kendra*, Anand Agricultural University, Devgadhi Baria explained the precautions to be taken to avoid CORONA and persuaded farmers to download the 'Aarogya Setu App' developed by the Government of India. A webinar (Online Seminar) on 'Krishi and COVID-19' broadcasted on 15 May 2020 was chaired by Hon. Governor of Gujarat, Shri Acharya Devvrat ji and attended by the 57



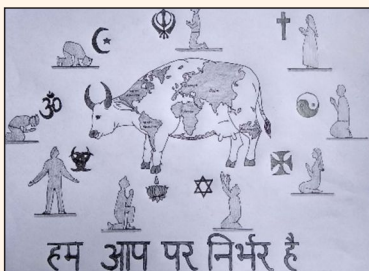
Dr. Girish J. Patel, Unit Head, TRTC guided farmers through radio talk about the precautions to be taken in farming practices like cleaning of agriculture equipments, wearing gloves and using hand sanitizer etc. TRTC and TFWTC have given messages to 334 farmers on seed treatment, fertilizer calculation and scientific cultivation practices of *Kharif* crops as well as information on value addition of Maize and Soybean during the lock-down.

Dr. Gunavant Thorat (Assistant Professor), PVK informed the dairy farmers through radio talk about the precautions and care to be taken in animal husbandry to avoid CORONA. PVK provides information to the livestock keepers (230 Nos) on various topic of the dairy technology and animal husbandry practices like clean milk production, vaccination, importance of water in animal husbandry, scientific cultivation of fodder crops, silage making, benefits of chaff cutter by preparing

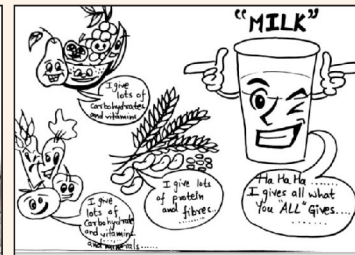
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## SLOGAN WRITING AND CARTOON MAKING CONTESTS

- ◆ SMC College of Dairy Science and its Alumni Association organized Slogan writing and Cartoon making contests to celebrate 20<sup>th</sup> World Milk Day on 1 June 2020. Total 19 slogans and 25 cartoons received from students and alumni of the college. These entries evaluated by a panel of eminent referees including Mr. Meenesh Shah, Executive Director, National Dairy Development Board; Prof. Hitesh Bhatt, Director, Institute of Rural Management, Anand; Mr. Amit Vyas, Managing



Director, Amul Dairy, Anand; Mr. Jayen Mehta, Sr. General Manager, Gujarat Coop. Milk Marketing Fed. Ltd. Winners received prize money of ₹ 3000/- (First position), ₹ 2000/- (Second position) and ₹ 1000/- (Third position) as well as certificates.



## DISTINGUISHED VISITORS

- Prof. VO Netshandama, Director community Engagement , University of Venda visited biofertilizers project on 15 February 2020.



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- ♦ Shri Rajendra Shende, Chairman TERRE Policy Center, Pune visited Dept. of Agril Microbiology on 18 February 2020 and discussed about research on microbial management of methane.
  - ♦ Shri S K Mishra , Chief Executive Officer, GSFC Agrotech Ltd., Vadodara and Priyanka Giri Deputy Manager - Agri Business & Editor *Krishijivan* visited on 25 February 2020 and appreciated AAU Anubhav Biofertilizer production and sales activity for the benefit of farming community.



## CELEBRATION OF 71<sup>st</sup> REPUBLIC DAY





- ♦ Anand Agricultural University Celebrated 71<sup>st</sup> Republic Day on 26<sup>th</sup> January 2020. All University Officers, staff, students of different faculties and family members remained present to grace the occasion. Dr. R. V. Vyas, Hon. Vice Chancellor hoisted the flag saluted by all. The National Anthem '*Jan Gan Man*' and National Flag Anthem '*Zanda Uncha Rahe Hamara*' were sung by all.



- ♦ The 71<sup>st</sup> Republic Day of India was celebrated with gaiety and patriotic fervor at Polytechnic in Agricultural Engineering, Anand Agricultural University, Muvaliya Farm,



Dahod amidst the foggy morning of 26 January 2020. Dr. M. M. Trivedi, Principal of the College hoisted the National Flag and accepted the salute and guard of honour.

- ♦ In his speech, he highlighted the importance of the Constitution and its unique features such as Sovereign, Socialist, Secular, Democratic and Republic enshrined in the preamble of the constitution. He also gave an insight on various accomplishments achieved by the college and motivated the students, staff members for bringing more laurels to the college through their accomplishments.
- ♦ The staff of Krishi Vigyan Kendra, Hill Millet Research Station, Teaching and Non- Teaching Staff, NSS volunteers and students (60 members) remained present on this auspicious day. The program ended with the message to create a great nation through collective efforts of all individuals.
- ♦ College of Agriculture and Polytechnic in Agriculture, AAU, Vaso celebrated 71<sup>st</sup> Republic Day on 26 January 2020 at Vaso campus. Dr. Y. M. Shukla, Principal, unfurled the national flag amidst the singing of the national anthem, national song and the flag song. He congratulated staff members and students on this special occasion. In his address, he talked about how India as a nation has been cherishing the ethos of equality, fraternity, and liberty as laid down by the Constitution of India since last 70 years. He encouraged the students to follow these ethos in future as well and to become responsible citizens. His speech also covered how India has made progress in the field of agriculture and allied sectors. The celebration ended with the distribution of sweets to everyone present.





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- Dr. S.V. Vyas, Vice C...
- Dr. Govind Tagadkar
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- R.F. Sutar
- Ranapratap Salunk...
- Dr. Dinesh Patel
- Kanaksinh Vals
- Dr. Jayanna Pathak
- zoom

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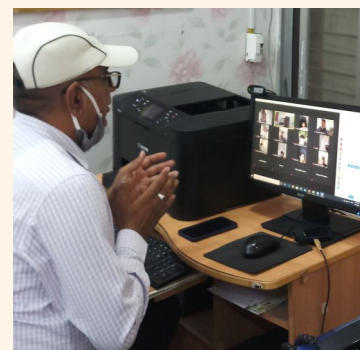
Gender Committee, Anand Agricultural University welcomed the guests and speaker. Dr. Dinesh Patel, Director of Students' Welfare, AAU, graced the event and spoke about the genesis of Women's day and its importance. Dr. Jarita Mallik, Assistant Professor, SMC College of Dairy Science compered the event.

- ♦ Dr. Jaynaben Param Pathak, Yoga Trainer in skill India, delivered a lecture on 'The Science of Living'. She narrated many common women related issues based on her vast experience. She emphasized for women empowerment through improving physical fitness through Yoga, *Pranayama* and change in thinking. She discussed the importance of Yoga and Meditation in understanding the life. For motivating the audience, she demonstrated few difficult yoga poses and emphasized the importance of internal beauty. As a part of task assigned by Dr. Jaynaben, four girl students Ms. Dhruvika Prajapati, Ms. Kirti Chaudhary, Ms. Dhruvi Shah and Ms. Disha Chavda collected the views of the audience and narrated their views on beauty, strength, knowledge and love respectively. At the end of the event, Dr. Jarita Mallik, Assistant Professor, SMC College of Dairy Science proposed the vote of thanks and the ceremony ended with National Anthem.
- ♦ A fund was raised through voluntary contributions from the women faculty members and girl students of AAU and useful articles gifted to Class IV women employees and women farm labourers of AAU.
- ♦ Krishi Vigyan Kendra, Anand Agricultural University, Anand celebrated 'International Women's Day' on 8 March 2020.

Mr. Bhaveshbhai Shastri, Sarpanch of village Devataj was the Chief Guest for this program. Mrs. Rekhaben J. Patel, Progressive farm women, Mrs. Ashaben Ketanbhai Patel and Mrs. Geetaben R. Jadav, ICDS, Sojitra remained present as the guests of honor. Dr G. G. Patel, Senior Scientist and Head, KVK welcomed all the guests and farmers and farm women. This programme attended by more than 80 farm women.

## CELEBRATION OF WORLD ENVIRONMENT DAY

Krushi Vigyan Kendra, Anand Agricultural University, Anand organized a programme on World Environment Day on 5 June 2020 through Zoom app. The welcome speech was given by Dr. G.G. Patel, Senior Scientist & Head, KVK Anand. He discussed the role



of farmers in soil conservation and conservation of environment. Dr. Shrikant B. Katole, Scientist (Animal Science), discussed the theme of this year's World Environment Day i.e. 'Conserving Biodiversity' and requested to plant at least one tree and nurture it. He also discussed about how to prepare total mixed ration at home by using local feed ingredients. Dr. R. M. Patel, Scientist (Plant Protection) gave information about the control of pest and diseases in paddy nursery. Total 45 farmers of Anand District attended this online Zoom meeting.

## INTERNATIONAL PROJECT AT MAIN MAIZE RESEARCH STATION, GODHRA

Main Maize Research Station, AAU, Godhra operates one International Project 'Improving Rainfed Kharif Maize Productivity' in collaboration with ICAR-CIMMYT. This center has been identified as an ideal site for drought screening research in maize due to low rainfall, light soil and high temperature. This center conducted various drought and heat screening trials based on calculation of Growing Degree Day's (GDD), PWP and FC protocol decided by CIMMYT. CIMMYT has installed 12 automatic soil moisture probes across the trial plot randomly for drought phenotypic. AICRP (Maize) drought screening seven trials were conducted in Rabi 2019-20. Under



this project, this center obtained \$ 10,000 for drought research. This center has well equipped scientific instruments and manpower for conducting drought trials. This international project was sanctioned due to fruitful results obtained from Climate Resilient Maize for Asia (CRMA). The hybrid VH 1130, CAH-1511 and ZH161032 promoted to advanced stage testing in AICRP trials as well as also obtained exclusive right from CIMMYT. The main objective of this project is to accelerated deployment and scale-out of stress-resilient hybrids in collaboration with seed partners in the country.



### REGISTRATION OF GREEN GRAM VARIETY GAM 5 UNDER PPV&FRA



The green gram variety Gujarat Anand Mungbean 5 ( G A M 5 ) released by Pulse Research Station, AAU, Vadodara. The proposal for registration of this

variety sent to PPV&FRA, New Delhi and they accepted the proposal. The variety registration no. is 43/2020 dtd:17/01/2020. This variety is highly resistant to Yellow Mosaic Virus (YMV) having bold seed size with attractive shiny grain appearance and average yield is 1811 kg/ha. This variety is released for summer season under irrigated condition of Gujarat state.

### TRAINING PROGRAMME ON 'SCIENTIFIC CULTIVATION OF MEDICINAL AND AROMATIC CROPS'

Regional Cotton Research Station, Anand Agricultural University, Viramgam organized one day farmers' training programme on 'Scientific Cultivation of Medicinal and Aromatic Crops' under MIDH (Mission for Integrated Development of Horticulture) scheme of National Horticulture Mission on 19 February 2020. Total 152 progressive farmers from different

villages of Viramgam, Dhandhuka and Mandal talukas participated in the training programme. The programme started with floral welcome of AAU scientists and Chairmen of farmers' cooperative societies. Dr. T. T. Patel, Associate Research Scientist and Head, RCRS, Viramgam briefed about the research activities carried out at the centre. Dr. P. K. Borad, Professor & Head, Dept. of Ag. Entomology, BACA, Anand delivered a lecture on 'Insect Management of Seed Spice Crops'. Dr. R. G. Parmar, Professor & Head, Dept. of Plant Pathology, BACA, Anand addressed the farmers on 'Disease Management of Seed Spice Crops'. Dr. H. L. Dhaduk, Associate Research Scientist, Medicinal and Aromatic Plants Research Station, Anand described about 'Medicinal Uses of Seed Spice Crops'. Dr. V. P. Ramani, Associate Director of Research, AAU, Anand Chaired the session and addressed farmers about 'Integrated nutrient management in Seed Spice Crops'. At the end, Dr. D. R. Patidar, Assistant Research Scientist, RCRS, Viramgam conveyed vote of thanks to all the scientists, Chairmen of cooperative societies and farmers for their presence. The farmers also visited the farm and briefed about AAU research activities. All the chairmen of cooperative societies and farmers highly appreciated the programme.

### TRAINING PROGRAMME ON QUALITY SEED PRODUCTION

Under the aegis of ICAR sponsored Seed Project, Regional Research Station, Anand Agricultural University, Anand organized one day training programme on 'Quality Seed Production in Castor at village Goriyad, Ta. Padara, Dist. Vadodara on 18 February 2020. 100 progressive farmers participated in the programme. Dr. R. R. Acharya, Nodal Officer (Seed) & Research Scientist, RRS, AAU, Anand informed the farmers about objectives of the scheme and efforts being made by the University for increasing availability of quality seeds. Dr. M. P. Patel, Asst. Research Scientist, RRS, AAU, Anand encouraged the farmers/ seed dealers for utilizing quality seeds and briefed about new varieties of



Castor and their peculiarities. Prof. V. K. Chaudhary, Asst. Research Scientist, RRS, AAU, Anand explained in detail about insects-pests and its control for getting higher yield in Castor. Field trip accompanied by Dr. A. S. Bhanvadiya and Shri V. B. Patel to practically show the Castor Production plots. Shri. J. S. Doshi, Asst. Research Scientist, RRS, AAU, Anand coordinated the training programme.

### ONLINE TRAINING PROGRAMME ON 'CARP SEED REARING'

KVK, AAU, Devataj organized online training on 'Carp Seed Rearing' during 23-24 June, 2020 in which, total 25 participants joined through google meet including fish farmers, youths, entrepreneurs and students. During the two days of



training, the trainees introduced to the topics like carp fish seed identification, seed rearing techniques, soil and water quality

management, feed management, disease management, packing & transportation of fish seeds and economics of carp seed rearing. Online guidance provided by Mr. J. H. Bhatt, Scientist (Fisheries), KVK, Devataj, Dr. A. K. Chaudhary, Scientist, RRC, ICAR-CIFA, and Dr. C. K. Mishra, Senior Scientist, RRC, ICAR-CIFA, Anand.

Scientist (Animal Science) prepared 10 audio messages covering different aspects of Animal Husbandry and circulated among the farmers. These advisory on animal husbandry has been sent to the farmers of Anand District and also sent to Dy. Director (Animal Husbandry), all veterinary officers of all talukas of Anand district and also Project Director, ATMA, Anand with as request to send to all ATMA farmers. All livestock farmers of KVK, Devataj were also informed about this advisory and were asked them to forward this animal advisory to all dairy farmers through Dairy Cooperatives and AMUL. In this way, large number of livestock farmers were benefitted through these audio clips.

### TRAINING PROGRAMME ON 'SCIENTIFIC ANIMAL HUSBANDRY'

One-day off campus training programme was organized by the Dairy Vigyan Kendra, AAU, Vejalpur on 'Scientific Animal



Husbandry' in collaboration with Panchmahal District Cooperative Milk Producers' Union Ltd. at Adadara village of Kalol taluka of Panchmahals District on 29 January 2020. Total 106 dairy farmers and farm women actively participated in this programme. The training started by lighting of the lamp by the dignitaries followed by floral welcome of the guests.

Dr.J.B.Prajapati, Principal & Dean, SMC College of Dairy Science graced the occasion as the Chief Guest. In his address, he showed his concern about activities of Dairy Vigyan Kendra for dairy farmers. He also expressed his views about animal husbandry practices in the district and briefed the participants about the steps taken by the union for promotion of quality milk production.

Mr. Yusuf I. Pathan, General Manager, Panchmahal District Cooperative Milk Producers' Union Ltd. remained present as the Guest of Honour. He expressed his views about animal husbandry programmes of Government of Gujarat and Panchamrut Dairy.

Dr.D.C.Patel, Professor, RBRU, AAU, Anand delivered a lecture on animal nutrition. Dr. M. J. Patel, Veterinary Officer of Panchamrut Dairy and Group Coordinator also remained present. Dr. M. J. Patel delivered lecture on calf rearing practices. Dr. S. J. Jadav, Asst. Prof., DVK delivered a lecture on animal health and animal management. In the training programme, Sarpanch of Adadara Shri Yujvendrasinh L. Jadav and other supporting staffs of Panchamrut dairy also remained present. Literature on calf rearing distributed to the participants.





### TRAINING PROGRAMME ON 'EMPLOYMENT ORIENTED ANIMAL HUSBANDRY'

Tribal farm women training centre, Anand Agricultural University, D'Baria (Dist. Dahod) and Dept. of Animal husbandry, on 8 January 2020 jointly organized a training programme on 'Employment Oriented Animal Husbandry' under the scheme of Tribal Sub Plan (TSP) of Dahod district, in which the livestock keepers from various villages of D'Baria i.e. *Sevaniya, Jhaptiya, Ruparel, Fulpura* participated.



### TRAINING PROGRAMME AND VOTERS DAY CELEBRATION



Paddy Research Station, AAU, Dabhoi conducted one Day Training under Sardar Sarovar Project on 24 January 2020 at Paddy Research Station, Dabhoi. Total 35

farmers of nearby villages of Dabhoi and Bodeli taluka participated. Shri R. L. Chotaliya, Unit Head, Paddy Research Station, Dabhoi addressed on new improved techniques in agriculture.

After Training programme, 'Voters Day' was also celebrated at Paddy Research Station, Dabhoi. In this event, Unit Head, all staff members and all farmers remained present to grace this occasion. The programme ended with the concluding remarks by Shri R. L. Chotaliya, Unit Head and A. R. Patel, SRF, Paddy Research Station, Dabhoi.

### LECTURE SERIES ON FISHERIES MARKET INTELLIGENCE

The Center for Agricultural Market Intelligence under National Agricultural Higher Education project (NAHEP - CAAST), Anand Agricultural University, Anand organized a Lecture Series on "Fisheries Market Intelligence and Environmental Sustainability" on February 15 and 17, 2020.

### MEETING FOR PLANNING OF ANNUAL SEED/ PLANTING MATERIALS' PRODUCTION PROGRAMME OF AAU



A meeting to finalize Seed/ Planting materials' Production Programme, 2020-21 of Anand Agricultural University, Anand organised under the Chairmanship of Hon. Vice Chancellor Dr. R. V. Vyas on 11 June 2020 at the Yagyavalkya Hall, University Bhavan, AAU, Anand. Total 22 Scientists representing all the 31 Centres/ Departments of the University producing different Seeds/ Planting materials participated in the meeting. Quality seed production and its associated points were briefed by Hon. Vice Chancellor and centre wise indent/ input requirements were discussed by coordinating scientists. Total 367 ha. area is planned for seed production of major crops of the middle Gujarat, viz. Paddy, Maize, Wheat, Castor, Green Gram, Pigeon pea, Soybean, Lucerne, Oat, Gram, *Deshi* Cotton & Tobacco during *Kharif* and *Rabi* seasons of 2020-21.

### TELECONFERENCES FOR FARMERS

KVK, AAU, Anand organized two teleconferences for farmers on 21 April 2020 and 04 May 2020 in which more than 200 farmers actively participated. Dr. Arun Patel, Director of Extension Education, AAU, Dr. G. G. Patel, Senior Scientist and Head, KVK, Dr. Shrikant B. Katole, Scientist (Animal Science), Dr. R. M. Patel, Scientist (Plant Protection) and Dr. Y. C. Lakum Scientist (Agronomy) interacted with the farmers. Dr. Arun Patel, Director of Extension Education, AAU, Anand discussed with the farmers regarding precautionary measures during COVID-19 lockdown. He advised the farmers to utilize the tele services of AAU Anand on 1551 toll free number for agricultural and animal husbandry related queries. Dr. G. G. Patel requested the farmers to make use of *Aarogya Setu* App and *Kisan Rath* app. All scientists gave technical guidance regarding their area of expertise.

## ORGANIZATION OF FIELD DAY ON GRAM (GJG-3)

Krishi Vigyan Kendra, AAU, Dahod organized a "Field Day on Gram (Variety GJG-3)" under NFSM cluster based FLDs at village *Moti handi*, Ta: Zalod Dist. Dahod on 27 February 2020. KVK scientists Shri. N. D. Makwana (Agronomy), Shri. N. K. Rathod (Plant protection) and Shri. H. L. Kacha (Horticulture) interacted with the farmers and urged them to adopt GJG-3 variety, bio-fertilizers and their vast horizontal spread & also explained importance of pheromone traps and benefits of vegetable cultivation respectively. This programme also graced by the presence of Shri C. M. Patel, Dy. Director Agriculture (Extension), Dahod who informed the farmers about various government schemes followed by distribution of drumstick plants to the farmers. Total 164 farmers participated in this programme with great enthusiasm. The entire event was successfully conducted and hosted by Shri G. K. Bhabhor, Scientist (Extension).



## KHEDUT SHIBIR AT MMRS

A Khedut shibir on "Scientific Maize Cultivation Technology" was organized by the Main Maize Research station, AAU, Godhra at Bakor village of Khanpur taluka of Mahisagar district on 24 February 2020 under the Transfer of Technology Project. 51 farmers participated in *Khedut Shibir*. This center also organized two on-campus training programmes in collaboration with Foundation for Ecological Security, Dahod on 18 and 19 February, 2020. Total 67 farmers from various talukas of Dahod District participated in on-campus training at MMRS, Godhra. Lectures on various aspects of scientific maize cultivation practices delivered. At the end all questions



related to maize cultivation answered by the scientists. The main objective of this training was seed replacement by hybrid seeds and improve livelihood through generating more income from farm.

## FIT INDIA MOVEMENT AWARENESS RALLY



Fit India Movement is a Nation-wide movement in India to encourage people to remain healthy and fit including physical activities and sports in their daily lives. It was launched by the Prime Minister of India Shri Narendra Modi at Indira Gandhi Stadium, New Delhi on 29 August 2019.

As a part of this movement, a Fit India Movement Awareness Rally was organized in nearby villages of Godhra by NSS unit of CAET, Godhra on 18th

January, 2020 to bring awareness in people about fitness in their routine life. First and Second year students of B. Tech (Agril. Engg.) and NSS volunteers of the college actively participated in Fit India Awareness Rally. The NSS Programme Officer Er. Kamlesh Jethva coordinated and framed the programme.



## SPECIAL NSS CAMP

- ♦ College of Agriculture & Polytechnic in Agriculture, AAU, Vaso organized a Special NSS Camp at Run village, Tal: Vaso, Dist: Kheda during 1 to 7 March 2020 to facilitate intense social connectivity between the society and the volunteers. The NSS camp started with the blood donation camp inaugurated by Dr. Y. M Shukla, Principal & Unit Head, College of Agriculture & Polytechnic in Agriculture, AAU, Vaso.





- During the period of seven days, the volunteers engaged themselves in various activities; starting with Prabhat Pheri in early morning, Demographic Survey, Drugs Abuse Awareness, Swachha Bharat Abhiyaan, Personal Health & Hygiene Awareness, Self Defence Session, Story Telling Session, Good Touch-Bad Touch Awareness, Road Safety Rally and Various Expert Sessions on Social Issues. The whole day programme of camp used to end with the singing of Bhajans by involving local people.
- The valedictory function of the special camp was organized on 7 March 2020 in the gracious presence of Dr. Dinesh Patel, Director, Student Welfare, AAU, Anand. He highlighted the importance of NSS volunteers in nation building. He congratulated the students for the successful completion of NSS special camp and insisted that volunteers should continue their social awareness activities in future. During this camp, the villagers enthusiastically supported the NSS volunteers and also offered a lunch to all the NSS volunteers on the last day.



- The aim of the NSS special camp is to educate the people and empower them. With this motto the NSS Unit of College of Food Processing Technology and Bio Energy,



- comprising of 46 students, organized a special camp from 29 January to 4 February 2020 at village Khadol, Taluka-Anklav, District- Anand. The camp was conducted under the supervision of College Management and NSS Programme Officer of the college, Dr. K.V. Vala. The NSS team members divided in different groups and participated in this 7 days special camp at Khadol village.
- The camp began with the interaction with community members for rapport building and to develop understanding about welfare of the village. For the Special Camp, Dr. K.V. Vala, Programme Officer, NSS cell visited the village before commencement of the camp and met *Sarpanch* of the village, ward members and other local leaders of the community. The plan of organizing the special camp discussed with them. The plan and its utility appreciated by the *Sarpanch* and other members of the village and they agreed for the camp. After the confirmation, a meeting with NSS volunteers arranged on 28 January, 2020. In this meeting a brief presentation was given to the volunteers and plan for the camp discussed. The volunteers excitingly participated in the discussion and planned the road map for camp under the supervision of NSS Program Officer.





## CLEANLINESS DRIVE 2020

The Government of Gujarat celebrated Observation of 'Swachhhta Pakhwada', 2020 during 16 to 31 January 2020. In response to that 'Cleanliness Drive' conducted by NSS Unit of College of Agricultural Engineering and Technology, AAU, Godhra. First and second year students of B. Tech (Agril. Engg.) and NSS volunteers of the college actively participated in the Swachhhta Pakhwada campaign.

Swachhhta Pledge taken by students and NSS Volunteers in the beginning of the programme. After that, cleaning of various areas of campus was carried out by NSS volunteers. The NSS Programme officer Er. Kamlesh Jethva coordinated and prepared the guidelines for the successful completion of this Programme under the guidance of Principal & Dean, Dr. R. Subbaiah.



## FIRE SAFETY AWARENESS CUM DEMONSTRATION PROGRAMME

The National Service Scheme Unit of College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra organized a 'Fire Safety Awareness cum Demonstration Programme' on 28 February 2020 in collaboration with Disaster Management Department, Godhra under NSS Special Camp running at Ambali Village & Doctor Na Muvada, Godhra during 27 February 2020 to 4 March 2020.



The programme started in the presence of Fire Team staff of Godhra Nagarpalika, NSS Programme Officer, NSS Volunteers of Second year B.Tech (Agril. Engg.) and Ambali primary school children.

Mr. Hitendra Limbasia, Mr. Mahesh Bharwad, Mr. Jignesh Baria and Mr. Dinesh Dindor from the fire team of Godhra Nagarpalika delivered a very good lecture on fire safety and also displayed various equipments used during fire. At the end of session, they gave a practical demonstration to the students regarding rescue during fire in building and precaution measures.



## ONLINE ESSAY WRITING COMPETITION

CAET Godhra organized an online essay writing competition during COVID-19 lockdown period on 20 April 2020. The themes of competition were 'COVID-19 War with Virus: Who are the front line warriors, COVID-19', 'Social and Economic Challenges Posed' and 'COVID-19 lock-down and air quality: Lessons for India'.

## MAMMARY TUMOR SURGERY PERFORMED IN GERMAN SHEPHERD DOG

Surgery Department, Veterinary College, Anand Agricultural University performed successful canine mammary tumor surgery on German Shepherd Dog to remove 5 cancerous growths present at different mammary glands by 4 hrs long surgery performed by Dr. P. V. Parikh and his team.

## RABIES AWARENESS PROGRAMME

Department of Veterinary Microbiology, COVSAH, AAU, Anand in collaboration with Gyanyagya Vidyalay, Mogari, Anand with support of APCRI, Bengaluru, Karnataka held Rabies Awareness Programme for children of Gyanyagya





Vidhyalay, Mogari, Anand, on 4 March 2020. This activity consisting of interactive session with children for the purpose of creating awareness regarding rabies and its spread among children of small age successfully carried out at Seminar Hall of Gyanyagya Vidyalay, Mogari, Anand and around 460 students along with their parents and staff members of the school participated in the same. During the programme, Dr. M. K. Jhala, Associate Director of Research (Animal science) A.A.U., Anand remained present as the Chief Guest. Programme executed by staff members of Departments of Veterinary Microbiology and VPH (Dr. B.B. Bhanderi, Dr. R. A. Mathakiya, Dr. J. H. Chaudhry and Dr. V. R. Nimavat) and Principals (Mrs. Pannaben and Mrs. Pratibhaben) along with staff members of Gyanyagya Vidyalay, Mogari, Anand.

## FACULTY NEWS

- Mrs. H. N. Shelat, Associate Res. Scientist and Dr. Y. K. Jhala, Asstt. Professor from Ag. Microbiology and Biofertilizer Projects participated as experts and delivered a talk on Biofertilizer : An Organic Input, Scope and Market Potential in Panel discussion with producers, traders and farmers in a conference : Microbial Biotech Interactions for Sustainable Agriculture and Societal development, on 6 & 7 February 2020 at Gujarat University, Ahmedabad.
- Mrs. H. N. Shelat, Associate Res. Scientist and Dr. Y. K. Jhala, Asstt. Professor as well as Dr. Paresh Pandya, Research Scientist, Animal Nutrition from AAU participated in a state level brainstorming session on 'Developing a Proposal for Climate Resilient and Low carbon Gujarat', at IIMA on 14 February 2020.



- Dr. J. B. Prajapati, Dairy Microbiology Department actively involved in sensitizing the society about immunity boosting in the time of COVID-19. He prepared 2 minutes video in Gujarati, Hindi and English to sensitize the society about immunity boosting dairy foods in the times of corona pandemic on 27 April 2020.
- Dr. J. B. Prajapati delivered a live lecture through TV9 live on face book on how to improve immunity on 1 May 2020. It was watched live by more than 33000 people and had more than 600 likes on line. On the same day, he gave Akashwani (Radio) interview on use of immunity boosting foods in the time of COVID-19.
- Dr. J. B. Prajapati worked as panelist in the NDDDB Webinar series on Managing Hygiene & Safety in Milk processing during COVID-19 Pandemic held on 19 May 2020. Dr. Prajapati prepared a video lecture for webcasting by the Institute of Food Technologists (USA) on Immune Boosting Foods – a way for future products on 20 May 2020. It is kept on IFT website also.
- Dr. J. B. Prajapati, Dairy Microbiology Department delivered a number of lectures as Invited /lead speaker in various Webinars. He was an invited speaker in webinar on Global Game Changers-Shaping NPD in Dairy Industry organized by Suruchi Consultants, Benison Media and Dairy Technologists Forum, which was also available live on Youtube. On the occasion of World Milk Day Celebration on 1 June 2020, Dr. Prajapati presented a special lecture on 'Prospects and Challenges of Indian Dairy Industry'. It was broadcast live by TANUVAS, Chennai. Dr. Prajapati was the Lead Speaker in a webinar organized by Nutrify India and GITAM University on Future of probiotics in India on 12



TV9 Gujarati was live.

May 1 at 11:57 AM · Facebook for Android ·

ઈમ્યુનિટી પાવર શરીરમાં કેવી રીતે વધી શકે? ક્યાં પ્રકારના ખોરાક અને પ્રવાહી લેવાથી ઈમ્યુનિટી પાવર વધી શકે

Dk Dharmendra

#TV9News #TV9Live #Anand #Gujarat #Corona  
#CoronaVirus #FightAgainstCorona  
#GujaratFightsCovid19 #ImmunityPowerFoods  
#ImmunityPower



June 2020. He was the Lead Speaker in a webinar organized by BIRAC Regional Techno-Entrepreneurship Centre (BRTC) at KIIT, Bhubneshwar on 24 June 2020, supported by DBT and he talked on Technological Aspects of Nutraceutical and Probiotic Foods Development. Dr. Prajapati moderated an e-conference on Role of Fermented Foods in Pandemic Era organized by SASNET-FF, Khalsa College, Mumbai, AAU, Anand and Lund University, Sweden on 25 June 2020.

- Dr. Subrota Hati, Assistant Professor from Dairy Microbiology Department delivered a number of Lectures as Invited Speaker in various National Webinars such as : Application of Naturally occurring Bio-preservatives in milk and milk products” under the online workshop of Advances in Milk and Milk processing sponsored by NAHEP-IG (ICAR) organized by Sanjay Gandhi Institute of Dairy Technology, BASU, Patna on 13 May 2020 through ZOOM platform; “Probiotic Fermented Dairy Foods: Current challenges and Future Scopes” in The National Webinar on Fermented Dairy products under IDP cell NAHEP (ICAR) organized by College of Dairy Science and Technology, Dairy technology Department, GADVASU, Ludhiana on 23

May 2020 through Teamlink platform. 'Bioactive Milk peptides: Science to Application' under NAHEP-IG (ICAR) organized by Faculty of Dairy Technology, WBUAFS, Kolkata on 2 June 2020 through ZOOM platform. 'Science and Application of Biomolecules from Fermented Foods Developed using Starters from NE India' under the series “Innovations for Boosting Sustainable Agriculture and Agri entrepreneurship: With Special Reference to North East region of India” sponsored by KIIT-TBI, BRTC, KIIT University, Bhubaneshwar, Odisha on 24 June 2020 using Googlemeet platform. Dr. Hati also delivered a lecture on 'Immune Boosting Functional Foods' under a Seven-Days International Webinar Series on Addressing Multiple Jeopardies in the Era of Pandemic, at Belda College, West Bengal on 24 June 2020 using ZOOM platform.

- Dr. G.G. Patel, Senior Scientist & Head, KVK, AAU, Anand attended Online Zonal Review Workshop on Attracting and Retaining Youth in Agriculture (ARYA) Organized by ICAR-ATARI, Pune on 16 June 2020.
- Dr. A.J. Dhami, Professor & Head and PI of AICRP, Department of Gynaecology & Obstetrics, Veterinary College, AAU, Anand participated in One Day Animal Health cum Fertility Camps and *Pashupalak Goshthi* organized under AICRP in collaboration with College of Veterinary Science, JAU, Junagadh and District Panchayat, Junagadh on 6 February 2020 at Balagam (Ghed) village, Taluka Keshod, District Junagadh. The cases presented were for general health check up, deworming, pregnancy diagnosis, nutritional supplements and 43 cases of estrus synchronization in infertile animals. Similarly he did estrus synchronization in 33 infertile *Gir* and *Jaffrabadi* animals of CBF, Junagadh and BMF, Amreli on 7 February 2020 under AICRP. A very good interaction took place with farmers and faculty during the *Shibir* and on farm camps.







- Dr. A.J. Dhimi, Professor & Head, Department of Veterinary Gynaecology & Obstetrics of College of Veterinary, AAU, Anand

Anand and President of ISSAR, Gujarat participated in the State Level ASCAD-ISSAR Seminar entitled 'Innovative Perceptions and Tactics for Improvement of Farm Animals Fertility' jointly organized by the Department of Animal Husbandry, GoG, Gandhinagar, ISSAR, Gujarat Chapter and College of Veterinary Science & AH, NAU, Navsari on 07 March 2020.

He also delivered his lead paper on 'Impact of Estrus/Ovulation Synchronization of Dairy Animal in Doubling the Farmer's Income' which appreciated by all.

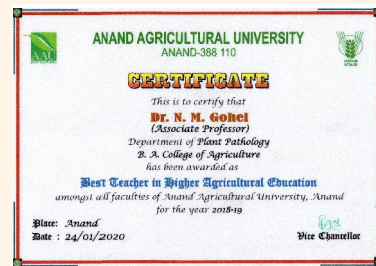


## OUR PRIDE

- Dr. M. N. Brahmbhatt, Principal & Dean, College of Veterinary Science & A.H., AAU, Anand conferred with Fellowship (F.A.A.S.- 2020) award of Association of Animal Scientists (A.A.S.) for his outstanding contribution for Advancement of Science and Welfare during first Annual Convention of Association of Animal Scientists at College of Veterinary Science and Animal Husbandry, Mhow (M.P.) on 6 March 2020.



- Dr. N. M. Gohel, Associate Professor, Department of Plant Pathology, B. A. College of Agriculture, Anand Agricultural University, Anand awarded as Best Teacher in Higher Agricultural Education amongst all faculties of Anand Agricultural University, Anand for the year 2018-19. The award certificate along with a cash prize of ₹ 50,000 received from Shri Acharya Devvratji, Hon. Governorshri of Gujarat and Hon. Chancellor of Anand Agricultural University during 16<sup>th</sup> Annual Convocation of Anand Agricultural University held on 24 January 2020.



- Dr. Girishbhai Jethalal Patel, Research Scientist, Tribal Research cum Training Centre, Anand Agricultural University, Devgadhbariya received the "Best Extension Award" from Shri Acharya Devvratji, Governorshri of Gujarat and the Chancellor of Anand Agricultural University. The award presented during 16<sup>th</sup> Annual Convocation of Anand Agricultural University, Anand held on 24 January, 2020 at Sports Complex, AAU, Anand. The award was given on the basis of his significant contribution in the field of Agricultural Extension amongst all faculties for the year 2019. He was the first person receiving this award from Anand Agricultural University in the field of Agricultural Extension.







- Dr. Subrota Hati, Assistant Professor, Dairy Microbiology Department, SMC College of Dairy Science, Anand conferred with the most prestigious ISCA Dr. (Mrs.) Gouri Ganguly Memorial Award for Young Scientist: 2019-2020 in the category of Animal Sciences, Veterinary Sciences and Fishery Sciences sponsored by Indian Science Congress Association (DST, Ministry of Science & Technology, Govt. India). The award presented during 107<sup>th</sup> Indian Science Congress held in University of Agricultural Sciences, Bangalore on 4<sup>th</sup> January, 2020. He was the first person receiving this award from Dairy Science background (B.Tech. in Dairy Technology). He received Plaque, Cash Prize and Certificate. The award was given on the basis of published research papers with citation, h-index, book chapters, published books, other awards at National and International level, recipients of fellowships from National Academies for his outstanding contribution on Animal Sciences, particularly in Dairy Microbiology. His work on purification and characterization of antihypertensive peptides derived from different species of fermented milks (cow, buffalo, camel, goat and soy milks) produced by indigenous well characterized lactic acid bacteria helps to manage the hypertension without side effects.
- 20<sup>th</sup> All India Inter Agricultural Universities Youth Festival-2020 was organized by *Indira Gandhi Krishi Vishwavidyalaya*, Raipur, Chhattisgarh during 8 to 12 February 2020. Around 72 universities participated in the festival. Among these, Anand Agricultural University participated in various events. Anand Agricultural University secured Gold Medal in Debate and Collage Events, Bronze Medal in Extempore and Clay Modeling

events. AAU also secured overall runner-up in literary events.



- A team of two students Mr. Mukesh Rajpurohit and Mr. Anoop Kumar of College of Veterinary Science & A. H., AAU, Anand participated in 6<sup>th</sup> National LPM Quiz Competition held during 27<sup>th</sup> Annual convention and National Conference of Indian Society of Animal Production & Management (ISAPM) at Post-Graduate Institute of Veterinary Education & Research (PGIVER),





Jaipur, Rajasthan from 4 to 6 February, 2020 under the guidance of Dr. S. V. Shah, Professor and Head, Department of Livestock Production Management and Dr. M. M. Islam, Assistant Professor. Team secured runner up position in Quiz Competition and awarded with '*Bhagwan Parsuram Poker Kamla Ramrai Award*' along with trophy and cash prize.

- ♦ L. J. Innovation Village-2020 was organized by The L. J. Group of Institutes during 7- 8 Feb, 2020 at L. J. Campus, Ahmedabad. Mr. Chirag Matholiya and Vishal Agravat (PhD students of Dept. of Farm Machinery and Power Engineering, CAET, Godhra) represented their Ph.D. projects. The programme organized under two events, namely Project Showcase and Pitching Event. In first event, over 250 projects across India were showcased and among them, only 20 projects selected for the Pitching Event. Mr. Chirag Matholiya, a student of Dr. Pankaj Gupta became Runner up in the pitching event presentation by presenting his Ph.D. project entitled 'Development of Autonomous Fertilizer Side Dressing Machine'.



- ♦ Dr. R. J. Modi, Assistant Professor, Dept. of Livestock Production Management bestowed for 'Best Research Article' award for publishing research article entitled 'Effect of different floor types on body weight of *Surti* goats under asbestos roofed house' in Indian Journal of Animal



Production and Management. The Award conferred during National Conference on 'Paradigm Shift in Livestock Management to obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship' at Post-Graduate Institute of Veterinary Education & Research (PGIVER), Jaipur, Rajasthan from 4 to 6 February 2020.

- ♦ **National Poster Making Competition:** Ms. Shrushti Makwana, PhD Scholar & Dr. Subrota Hati, Assistant Professor from Dairy Microbiology Department, SMC College of Dairy Science, Anand won the Best Poster Award (First Position) on 'Food Safety and Hygiene during COVID-19 Pandemic' jointly organised by Indian Dairy Association- Eastern UP Chapter and Department of Dairy Science & Food Technology, Institute of Agricultural Sciences, Banaras Hindu University (BHU), Varanasi during 15-16 May 2020.
- ♦ **National Essay Competition:** Dr. Subrota Hati, Assistant Professor from Dairy Microbiology Department, SMC College of Dairy Science, Anand won the Essay Writing Competition Award (Third Position) on 'Food Safety and Hygiene during COVID-19 Pandemic' Jointly organised by IDA- Eastern UP Chapter and Department of Dairy Science & Food Technology, Institute of Agricultural Sciences, Banaras Hindu University (BHU), Varanasi during 15-16 May 2020.
- ♦ **Innovative Idea contest through Webinar:** Dr. Subrota Hati, Assistant Professor from Dairy Microbiology Department, SMC College of Dairy Science, Anand won the Second Prize by presenting the innovative idea on 'Milk Bioactive Peptides: Science to Application' in the competition of Innovative Idea on 'Opportunities in Healthcare to Build *Atmanirbhar* Bharat Post COVID-19' organized by Indrashil University, Rajpur, Kadi, Gujarat held on 4 June 2020.
- ♦ **Muqabala-e-innovation Competition :** Dr. Krupa Ramani, Alumni of SMC College of Dairy Science, won the First Position in *Muqabala-e-innovation* Competition organized by NDDDB, Anand on the celebration of World Milk Day on 1 June 2020. She developed 'Lasagna Dessert' recipe in this competition.

## 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 11,564 subscribers registered for this multicolored farm magazine upto June 2020.

## RETIREMENTS

### January 2020

- 1 Shri Vikramsinh Bharatsingh Solanki, Agriculture Supervisor, BACA, Anand
- 2 Shri Bhimabhai Maganbhai Bariya, Agriculture Supervisor, RRS, Anand
- 3 Shri Kiritbhai Chotabhai Vaghela, Peon, Dairy Science College, Anand

### February 2020

- 4 Dr. Naranshin Prabhatsing Chuahan, Professor (P), BACA, Anand
- 5 Dr. Deepakkumar Manvantaray Mehta, Research Scientist (P), ICAR Unit, Anand
- 6 Shri Udabhai Bhathibhai Solanki, Agriculture Assistant, ICAR Unit, Anand

### March 2020

- 7 Shri Chartasingh Mohansingh Chuahan, Peon, Veterinary College, Anand
- 8 Smt. Vimlaben K.Chavda, Peon, Veterinary College, Anand (Death)

## April 2020

- 9 Dr. Parbatbhai Khimjibhai Borad, Professor (P), BACA, Anand
- 10 Shri Babubhai Ramabhai Bhambhi, Steno Gr. I, DEE, Anand, Anand
- 11 Shri Jayantibhai Pranbhai Patel, Agril. Supervisor, BTRS, Anand, Anand
- 12 Shri Bhupendrakumar Becharbhai Limbachiya, Senior Clerk, Office of the Registrar, Anand

## May 2020

- 13 Shri Surabhai Lakhabhai Rabari, Helper, Veterinary College, Anand
- 14 Shri Kanubhai Shanabhai Harijan, Sweeper, Veterinary College, Anand
- 15 Shri Ramanbhai Atabhai Bhoi, Peon, Rice Research Station, Nawagam
- 16 Shri Chhotubhai Raysingbhai Jariya, Helper, Office of the Executive Engineer, Anand

## June

- 17 Dr. Maheshkumar Vaghjibhai Patel, Professor, BACA, Anand
- 18 Dr. sureshchandra Bhagvandas Patel, Associate Professor, College of Agriculture, Vaso
- 19 Dr. Hardas Bhagvanbhai Patel, Assistant Research Scientist, ARS, Arnej
- 20 Shri Lakhabhai Nanubhai Baraiya, Asst.Res. Sci., Vegetable Research Station, Anand
- 21 Shri Bharatbhai Laxmanbhai Satsiya, Office Superintendent, Off. of the Registrar, Anand
- 22 Shri Jamadar Mahamadamin Abdulrahim, Head Clerk, DEE, Anand
- 23 Shri Bharatkumar Sureshchandra Jayswal, Head Clerk, ICAR Unit, Anand
- 24 Shri Bhupendra Shankarlal Pandya, Senior Clerk, Cotton Research Station, Viramgam
- 25 Shri Ravjibhai Shantilal Chavda, Laboratory Technician, Veterinary College, Anand
- 26 Shri Kanubhai Hemubhai Dodiya, Tractor Driver, ARS, Arnej
- 27 Shri Bahadursinh Becharsinh Raulji, Peon, Veterinary College, Anand
- 28 Shri Mangal Dahyabhai Padhiyar, Peon, Office of the Registrar, Peon
- 29 Shri Fulabhai Dhulabhai Thakor, Peon, Veterinary College, Anand
- 30 Shri Somabhai Badharbhai Vasava, Peon, Office of the DEE, Anand
- 31 Shri Vinubhai Mangalbhai Jadhav, Dairy Worker, Dairy Science College, Anand
- 32 Shri Kantibhai Harmanbhai Vaghela, Peon, BACA, Anand
- 33 Shri Chandubhai Motibhai Bhoi, Peon, BACA, Anand

*You must be the change you wish to see in the world*

*- Mahatma Gandhi*

Book-Post

To

From :  
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