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Honey bees are very crucial and essential creatures for the conservation of ecological balance and biodiversity. They provide one of the most decipherable ecosystem services *i.e.* pollination, which makes food production possible. They contribute to genetic and biological diversification for protecting and maintaining habitats along with animal and plant species. Moreover, they also serve as indicators of the state of the environment. Their existence, absence or abundance alerts us when something is incorrect in the environment. It is important to detect changes in the environment and execute essential prevention measures in time by monitoring the development and health of bees.



To raise awareness of the importance of pollinators, the threats they face and their contribution to sustainable development, the United Nations designated 20 May as “**World Bee Day**”. Among the various bee species, honey gathering bee species are more important and called as '**HONEY BEE**'. It dominates all other species of bees and pollinating insects in the world, making them the most essential pollinator of food crops. Pollination, primarily by bees, but also by other insects, birds and bats are believed to account for one-third of the food that humans consume each day. Honey bees reared side by side in an apiary (beekeeping) is a fascinating part-time or full-time hobby. It's also a good fit for agricultural diversification. Beekeeping offers a variety of revenue streams and job opportunities, including the growth of many associated businesses, as well as increased agricultural income through production of honey and other products harvested from beekeeping.

In India, mainly two species of honey bee are cultivated *i.e.*, *Apis mellifera* and *Apis cerana*. In some pockets of India, stingless bees or dammer bees are also reared for their *Ayurvedic* honey. According to National Beekeeping and Honey Mission, the central scheme under the aegis of Ministry of Agriculture and Farmers Welfare, the country's total honey harvest in 2017-18 was 1.20 lacs Metric Tonnes (MTs), up from 76,150 MTs in 2013-14. India exported 59,999 MTs of honey worth of ₹ 71,613 lacs in 2020. This shows the increasing trend of beekeeping in our country.

Moreover to this, '**Sweet Revolution**' or '**Mithi Kranti**' of India was launched by our Hon. Prime Minister Shri Narendra Modi in 2016 to promote the development of scientific

beekeeping and production of honey to double the farmer's income. In addition, *Khadi* and Village Industries Commission (KVIC), Mumbai has launched the '**Honey Mission**' as a part of '**Sweet Revolution**' in 2017. This initiative intends to promote beekeeping as a means to boost agricultural production and providing pollination services to the beekeepers and farmers. Under the *Atma Nirbhar Abhiyan*, the government has set out ₹ 500 crores towards beekeeping.

Anand Agricultural University is engaged in promoting awareness among the farming community of Gujarat and imparting training on beekeeping to the farmers as well as on emphasizing on entrepreneurship development among the students under the experiential learning programme regarding honey production. Moreover, Department of Agricultural Entomology, BACA, AAU, Anand is committed in quality production of different flora honey and commercializing/distributing the same under the brand name of '**Anubhav**'. In addition, National Bee Board, National Beekeeping and Honey Mission (NBHM), Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi has also sanctioned a project "Diversity of honey bee, its attractants and impact of pollination by *Apis mellifera* L. on the yield of bottle gourd, *Lagenaria siceraria* (Molina) Standl" to this department which is a way forward to chalk out new milestones of beekeeping.


(K.B. Kathiria)

CORONA VACCINATION CAMP

A Corona Vaccination Camp was organized during 1-2 April 2021 at the Exam Hall of B. A. College of Agriculture, AAU, Anand under the guidance of Hon. Vice Chancellor Dr. K. B. Kathiria. University Officers, employees, farm labours, pensioners and staff members took first dose of Covid Vaccine. Total 336 persons got benefit of the camp. Dr. Dinesh H. Patel, Director, Students' Welfare coordinated the programme.



AWARENESS PROGRAMME ON COVID-19

In view of COVID 19 spread in the rural area and forecasting of the third waves may affect more to the youth, the College of Horticulture, AAU, Anand has organized two online lectures to create awareness about COVID-19 and Vaccination.

First lecture was on "COVID 19 and Vaccination" which was delivered by Dr. Abhishek Prajapati, MB, DTCD, FCCS, Shree Krishna Hospital, Karamsad on 1 May 2021. He gave the information regarding symptoms of COVID-19, care to be taken and the role of vaccination to cure COVID-19. Total 65 students of fourth and sixth semester participated in it.

Second lecture was on "Ayurveda for COVID-19", delivered by Dr. Vidhi Bapna, Professor and Head of the Department at J. S. Ayurveda Mahavidyalaya, Nadiad on 8 May 2021. She gave information regarding the immunity development by household kitchen food materials and their amount of use, role of yoga and diets for preventing the COVID-19. Total 95 students participated in this lecture.

Dr. Chintal Raval and Dr. Gita Chaudhari coordinated with the speakers and students to make this event a great success.



ADDRESS BY HON. VICE CHANCELLOR TO THE STUDENTS OF AAU

In order to prevent and bring awareness regarding the prevailing pandemic of Covid-19, Dr. K.B. Kathiria, Hon. Vice Chancellor addressed the students of Anand Agricultural University. Total 201 participants including University Officers, Principals / Deans, SRC Chairman, General Secretaries (GSs) and Class Representatives (CRs) connected online through WEBEX and total 1857 students from all the colleges / polytechnics of the University attended the programme live through YouTube.

In his address, Hon. Vice Chancellor gave a detailed account of the Corona pandemic and informed everyone about the protective measures taken by the Anand Agricultural University against the same. He urged all for the regular use of masks, frequent washing of hands, maintaining social



distancing, measures to boost immunity, etc. He also requested the students to be aware about the latest information of the pandemic and not to spread negative messages on social media, to get vaccinated and motivate others to get vaccinated as well. Further, he also entreated that the students should also tried to console the infected people as a part of their social and moral responsibility and called them to help as much as possible. He also appealed the students to help the farmers of their village as well as the surrounding villages to give proper knowledge of agriculture in the difficult times of Corona pandemic. Dr. Dinesh H. Patel, Director, Students' Welfare coordinated the programme.

MoUs



- Anand Agricultural University, Anand has signed an MoU with Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), P.O. Narmadanagar, Dist. Bharuch, Gujarat for the transfer of Date Palm Tissue Culture technology on 12 May 2021 in the presence of

Dr. K. B. Kathiria, Hon. Vice Chancellor, AAU, Anand. Dr. M. K. Jhala, Director of Research, AAU, Anand and Shri Manish Billore, Head of the Department-Marketing, GNFC Ltd.

- Anand Agricultural University, Anand has signed another MoU with Gujarat Organic Agricultural University, Halol on 21st May, 2021 for collaboration in teaching, extension education and research in Organic Farming. Dr. K. B. Kathiria, Hon. Vice Chancellor, AAU, Anand and Dr. B. R. Shah, Hon. Vice Chancellor, GOAU, Halol exchanged the MoU.



Pradhan Mantri Garib Kalyan Yojana

To commemorate '*Pradhan Mantri Garib Kalyan Yojana*', a programme was organized and conducted by KVK, AAU, Dahod on 7 July 2021 at Rayan village of Garbada taluka of Dahod district. Thirty six farmers and farm women enthusiastically participated in this programme.



INAUGURATION OF JAL SAKTHI ABHIYAAN-2021

KVK Dahod

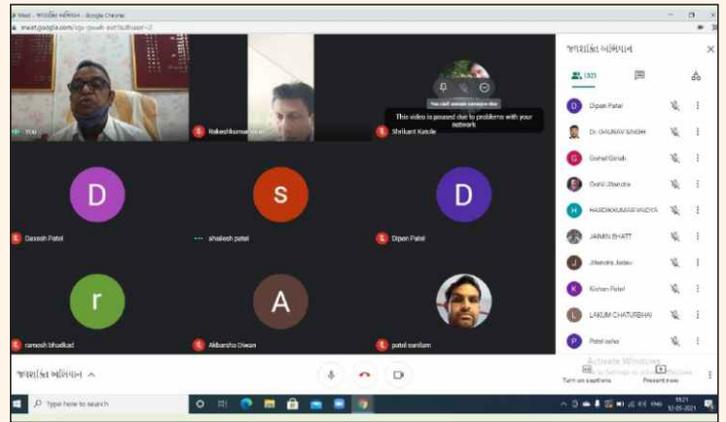
- An online programme was organized on 6th May, 2021 by KVK, AAU, Dahod to inaugurate the '*Jal Sakthi Abhiyaan-2021*'. The event started with a welcome address by Dr. H. L. Kacha, Sr. Scientist & Head (I/C), KVK, AAU, Dahod. Shri. J. J. Patel, Project Director (ATMA), Dahod addressed the participants about proper utilization of water. Then after, Dr. H. L. Kacha enlightened the participate about the different methods by which complete and proper utilization of each drop of water can be done. Dr. T.M. Bharpoda, Professor (Retd.), Department of Entomology, BACA, AAU,



Anand, Shri Dilipbhai Dhanga, Member, Board of Management, AAU, Anand and progressive farmer of KVK, Dahod motivated the participating farmers to adopt 'Per Drop More Crop' concept by using drip irrigation. Shri N. K. Rathod, Scientist (Plant Protection) shared detail about the construction of underground tanks for water storage and utilization for drinking water. At the end, in the open session, the queries of participating farmers were resolved by the Scientists of KVK, AAU, Dahod. The programme was co-ordinated by Shri G. K. Bhabhor, Scientist (Ext. Edu.). Total 61 participants including farmers, gram sevaks, extension officers and ATMs and BTMs of ATMA Project actively participated in this programme.

KVK Devataj

- KVK, AAU, Devataj organized an online awareness programme under '*Jalshakti Abhiyan*' on Google Meet. Dr. A. C. Vaidya, Sr. Scientist and Head, KVK, AAU, Devataj briefed about the importance of the *Jal Shakti Abhiyan*, a Water Conservation Campaign and urged farmers for adopting the various water conservation technologies and highlighting the importance of water harvesting. The campaign is being taken up across the country. Dr. Gaurav Singh, Scientist from ICAR-Central Soil and Water Conservation Research and Training Institute, Vasad highlighted about the water conservation, "*Per Drop More Crop*" and various other programmes of Central and State Government on water conservation. He asked the farmers to use water judiciously and discussed the technologies for water conservation like rainwater harvesting structures, drip irrigation in vegetable and field crops and water saving methods. Dr. Shrikant B. Katole, Scientist (Animal Science) discussed the importance of water in livestock rearing. He also emphasized that water can be saved if small changes can be made at household chores. The main objective of this programme was to create the awareness among the farmers and other stakeholders on water conservation.



SEED DISTRIBUTION PROGRAMME

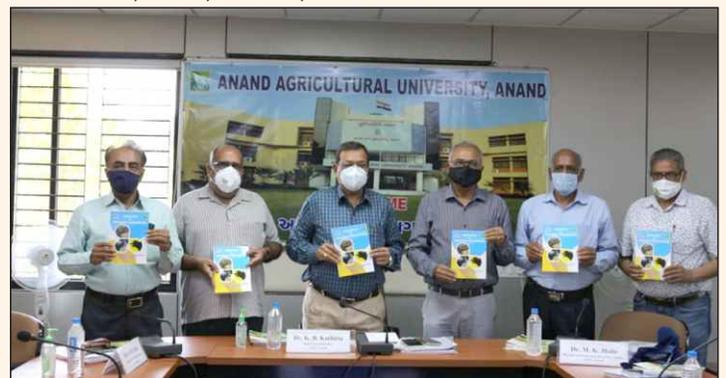


Seeds of newly released varieties of Cotton and Castor crops were distributed among the farmers at RCRS, AAU, Viramgam under the adoptive trial programme of Anand Agricultural

University. Total 844 kg seeds of high yielding desi cotton variety GADC 3 (*Wagad Gaurav*), 231 kg seeds of long linted desi cotton variety GADC 4 (*Wagad Resham*) and 300 kg seeds of Castor variety GAC 11 were distributed to the farmers for *Kharif* cultivation.

RESEARCH BULLETIN ON 'ENDOCRINOLOGY OF BUFFALO REPRODUCTION'

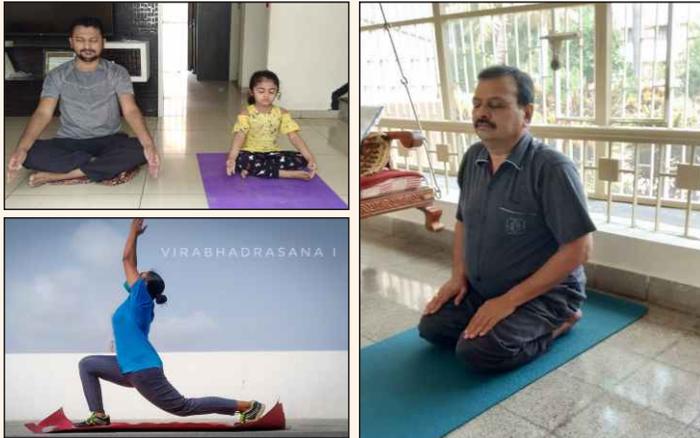
Research Bulletin on '*Endocrinology of Buffalo Reproduction*' (Compiled and Edited by Dr. N. P. Sarvaiya and Dr. A. J. Dhami) was released, on the Occasion of 17th Joint AGRESO meeting on 5 April 2021 by the Hon. Vice Chancellor, AAU, Anand, Dr. K. B. Kathiria.



This bulletin consists data of more than 30 years of research on Endocrinology of Buffalo (*Surti, Mehsani and Jafrabadi*) Reproduction; carried out at Veterinary College, Anand, Navsari, S. K. Nagar and Junagadh, respectively. It will be very much useful to the students, researchers, academicians and field veterinary officers working on this aspects as a reference book.

CELEBRATION OF INTERNATIONAL DAY OF YOGA

- June 21 is declared as the 'International Day of Yoga' by the United Nations. The Ministry of AYUSH announced to celebrate International Day of Yoga by maintaining social distancing due to the current COVID-19 pandemic. All the Colleges and Polytechnics of AAU celebrated 7th International Day of Yoga on 21 June 2021 in which unit/sub-unit officers, employees, students, NSS volunteers and NCC cadets performed yoga at home along with their family members.



Sheth M. C. Polytechnic in Agriculture

- An international Yoga day was celebrated virtually by the students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand. The students actively participated by performing Yoga and various Asans through online guidance mode with their mentor.



Polytechnic in Food Science & Home Economics

- Yoga gained more importance due to the corona virus pandemic and accordingly the theme for International Yoga Day 2021 has been decided by the UN was Yoga for well-being. Under this theme, 7th International Yoga Day was celebrated by the Polytechnic in Food Science & Home Economics. Students and staff members of polytechnic participated in the programme.



College of Agricultural Information Technology

- The College of Agricultural Information Technology, AAU, Anand celebrated the "International Yoga Day" as per the Guidelines of The Ministry of AYUSH (CYP - Common Yoga Protocols), Government of India on 21 June 2021.



College of Agriculture, Vaso

- College of Agriculture and Polytechnic in Agriculture, AAU, Vaso celebrated the 7th "International Day of Yoga" by following the guidelines of the Ministry of AYUSH, Gol of India on 21 June 2021 under the guidance of Dr. K. M. Patel. The staff-members and the students performed different Asans of Yoga and pledge to perform Yoga every day.



IABMI

- 7th International Day of Yoga was celebrated on 21 June 2021 by the International Agribusiness Management Institute. Students and faculties of the institute participated and performed various Yogasans and Pranayama with their family. The celebration was done by following COVID 19 protocols. Students, faculty members of IABMI and staff of Centre for Agricultural Market Intelligence under NAHEP-CAAST enthusiastically took part to celebrate the International day of Yoga. The programme was framed as

per common yoga protocol circulated by Dr. Ashish Mahera, SRC Chairman under the guidance of Dr. Y. C. Zala, Principal and Dean of the Institute.



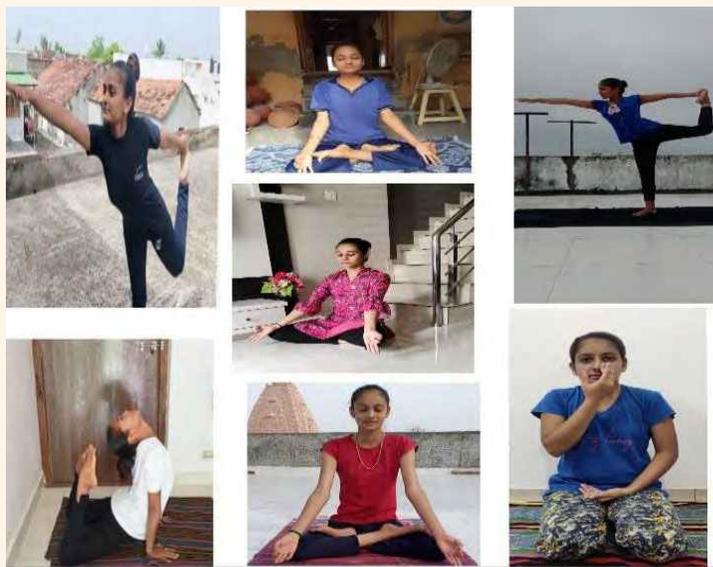
College of Agriculture, Jabugam

- The College of Agriculture, AAU, Jabugam celebrated 7th International Yoga Day on 21 June 2021. Students and faculties of college participated and performed various *yogasans/ pranayama* with their family at home. The programme was framed as per common yoga protocol circulated by Dr. Vinod B. Mor, SRC Chairman under the guidance of Dr. Sunil R. Patel, Principal, CoA, AAU, Jabugam.



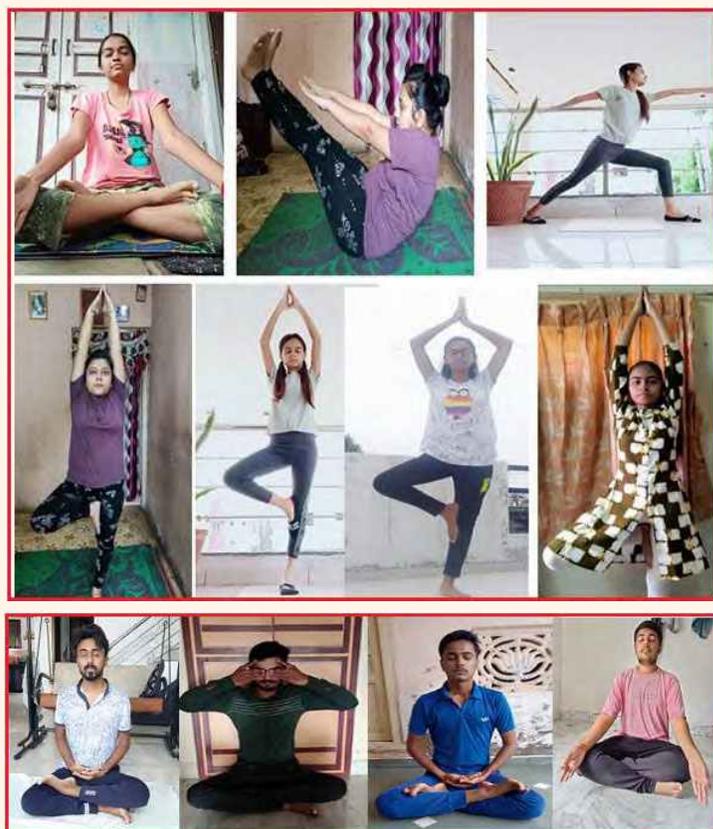
College of Horticulture

- International Yoga Day was celebrated by the College of Horticulture, AAU, Anand through online mode. Students of 2nd and 4th semester have been participated in the International Yoga Day from their home. They performed different types of yoga and warming up exercises, viz *kapal bhati, pranayam, suryanamaskar, vajrasan, makrasan, hastasana, savasan*, squats and arm circles.



College of Food Processing Technology & Bio Energy

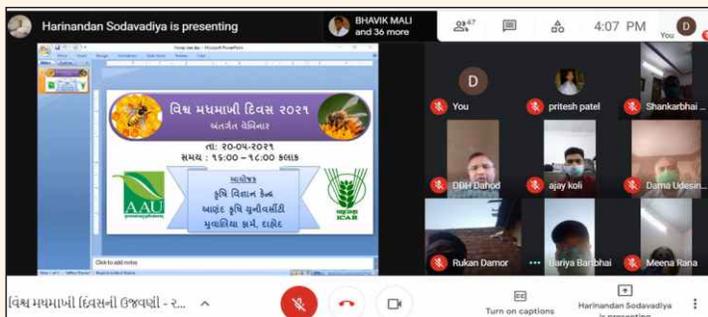
- The College of Food Processing Technology & Bio Energy, AAU, Anand celebrated 7th International Day of Yoga as per guidelines provided by Ministry of AYUSH, Government of India on 21st June, 2021.
- Staff members and students performed yoga individually as well as with their family. The programme was framed by NSS Programme Officer Dr. K. V. Vala as per the guidelines provided by Ministry of AYUSH and under the guidance of Dr. R. F. Sutar, Principal & Dean, College of FPT & BE, AAU, Anand.



CELEBRATION OF WORLD HONEY BEE DAY

KVK, Dahod

- World Honey Bee Day was celebrated at KVK, AAU, Dahod through virtual platform on 20 May 2021. The programme began with a welcome address by Dr. H. L. Kacha, Sr. Scientist & Head (I/C), Deputy Director of Agriculture, Dahod, Shri C. M. Patel imparted knowledge about the various species of bees and the possibilities and constraints of bee farming in Dahod district. Thereafter, the Chairperson of the meet, Shri H. B. Parekh, Deputy Director of Horticulture, Dahod recounted various on-going government schemes for bee-keeping. A presentation on commercial bee keeping and its various products was given by the Chief Guest, Shri Dipenbhai Patel, Founder, Bee Farm Project, Vadodara. Shri N. K. Rathod, Scientist (PI. Prot.), enumerated the importance of this day in our lives. The highly informative lecture was given by Dr. T. M. Bharpoda, Professor (Retd.), Department of Entomology, BACA, AAU, Anand in which in-depth knowledge about predators and parasites of bees and the diseases that affect bees was shared. The event was culminated with the vote of thanks given by Shri N. D. Makwana, Scientist (Agron.), and the smooth and successful management of the entire programme was carried out by Shri G. K. Bhabhor, Scientist (Ext. Edu.).



B. A. College of Agriculture

- Department of Agricultural Entomology, B. A. College of Agriculture in collaboration with Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand celebrated World Honey Bee Day-2021 during 19-20 June 2021. On the occasion, a webinar on beekeeping, poster competition for the students and inauguration of a Research Project on honey bee funded by the National Bee Board, New Delhi was also organized at AAU, Anand. Total 169 students actively participated in the poster competition and submitted their ideas through posters on the theme 'Save Bee'. During the inaugural session, Dr. K. B. Kathiria, Hon. Vice-chancellor, AAU, Anand and President of the function



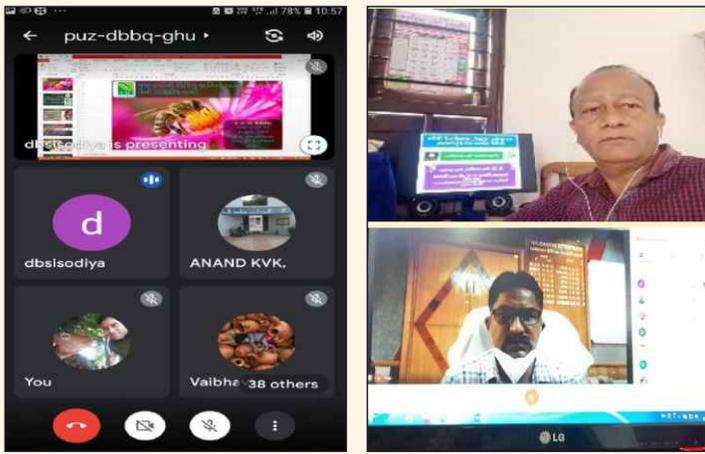
announced the first, second and third winners of the poster competition and appreciated the efforts made by the students who took part in the competition. Further; in his inaugural address, he explained about the importance of honey bee in agriculture and emphasized on how value addition is being carried out in honey under the brand *Anubhav* which is being sold after collecting from different flora by the Department of Agricultural Entomology. Moreover, he also narrated about the impact of pesticides on honey bees and environment. In the august presence of Dr. B. L. Sarswat, the Chief Guest & Executive Director, National Bee Board, New Delhi, the honey bee project funded by NBB was inaugurated.

Dr. M. K. Jhala, Director of Research & Dean, PG Studies; Dr. H. B. Patel, Director of Extension Education, AAU, Anand; Dr. Y. M. Shukla, Principal & Dean, BACA, AAU, Anand, Dr. Y. C. Zala, Principal & Dean, IABMI, AAU, Anand and Dr. Yogeshwar Singh, Honey Bee Expert (Former Executive Director, NBB), Agra addressed the webinar.

In this two-days webinar, total 18 lectures were delivered with discussion on different topics related to bee and beekeeping by renowned scientists, honey bee experts and beekeeping entrepreneurs. The entire programme was coordinated by Dr. D. B. Sisodiya, Professor & Head, Department of Agricultural Entomology, BACA, AAU, Anand and Dr. R. S. Pundir, Professor & PI, NAHEP-CAAST, AAU, Anand.

KVK, Devataj

- KVK, AAU, Devataj organized World Honey bee Day on 20 May 2021 through online mode. The Chief guest of the programme was Professor (Rtd.) Dr. T. M. Bharpoda and Dr. D. B. Sisodia, Professor & Head, Dept. of Entomology, BACA, AAU, Anand. Introductory remarks were given by Dr. A. C. Vaidya, Senior Scientist and Head. Dr. Shrikant B. Katole, Scientist (Animal Science) gave welcome speech and explained the main objective of celebrating this day. He also briefed-up about importance of honey bees in enhancing the crop production and maintaining balance of

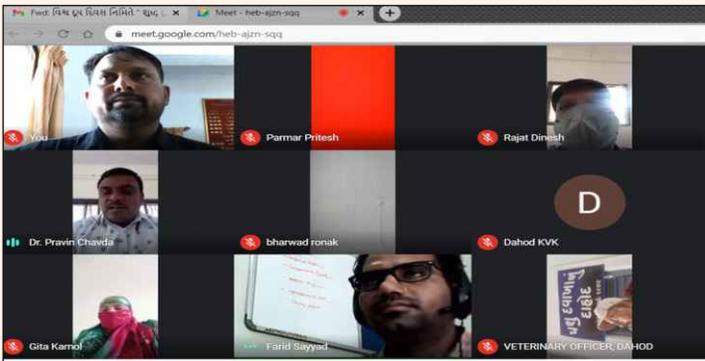


environment. Dr. D. B. Sisodiya discussed about the characteristics of honey bees. He also narrated the history of honey bee keeping and different varieties of honey bees. He told that beekeeping is a viable rural enterprise for employment generation in rural sector of India. Dr. T. M. Bharpoda, Professor (Rtd.) highlighted the effect of change in agriculture and increased use of chemicals in agricultural practices on honey bee species. He guided farmers on the importance of seasonal bee management, diversification in beekeeping, role of bees in crop pollination and management of bees against bee enemy pest and diseases. Total 46 farmers joined the programme virtually.

CELEBRATION OF WORLD MILK DAY

KVK, Dahod

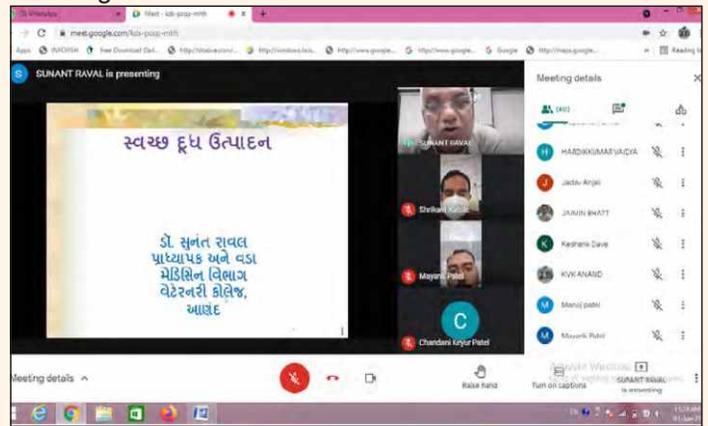
- World Milk Day was organized and celebrated by KVK, AAU, Dahod on 1 June 2021 on a virtual platform. The event was inaugurated with a welcome address by Dr. H. L. Kacha, Sr. Scientist & Head (I/C), KVK, AAU, Dahod. The programme began with the lecture of Dr. P. K. Chavda, Assistant Director of Animal Husbandry, Dahod. In his lecture, he briefed-up about the importance of 'World Milk Day' and also imparted in-depth knowledge about Clean Milk production. Thereafter, the various Governmental schemes pertaining to the Animal Husbandry were discussed in detail by Dr. Jayesh Panchal, Veterinary Officer, Department of Animal Husbandry, Dahod. Later on,



Assistant Professor, PAE, AAU, Dahod, Dr. F. G. Sayyed, enumerated the various milk products and their preparation methods. The programme was concluded with the vote of thanks by Shri G. K. Bhabhor, Scientist (Ext. Edu.), KVK, AAU, Dahod. Total 36 farmers and *gopalmitras* participated in this event.

KVK, Devataj

- KVK, AAU, Devataj organized World Milk day on 1 June 2021 virtually in which total 52 farmers and farm women participated. Introductory remarks and welcome speech were given by Dr. A. C. Vaidya, Senior Scientist and Head, KVK, AAU, Devataj. He told that milk is the complete food as it can easily be digested. The Chief Guest of the programme, Dr. S. K. Raval, Professor, College of Veterinary Science & Animal Husbandry, Kamdhenu University, Anand discussed about the clean milk production. He urged farmers to follow practices that can produce clean milk which can help them to fetch more market price. Dr. Shrikant B. Katole, Scientist (Animal Science) discussed about the management of animal during summer season.



CELEBRATION OF WORLD ENVIRONMENT DAY

IABMI

- On the occasion of World Environment Day, tree plantation programme was organized at the Center for Agricultural Market Intelligence under NAHEP-CAAST. On this



occasion, Dr. Y. C. Zala, Principal and Dean, IABMI, Dr. R. S. Pundir, Principal Investigator of NAHEP-CAAST Project, faculty members of IABMI and staff of Center for Agricultural Market Intelligence under NAHEP-CAAST remained present in tree plantation programme. Keeping in mind the current COVID situation, the World Environment Day was celebrated with limited staff, by maintaining the COVID-19 protocol.

KVK, Devataj

- ♦ KVK, AAU, Devataj organized online programme on “World Environment Day” on 5 June 2021. Welcome speech and introductory remarks were given by Dr. A. C. Vaidya, Senior Scientist and Head, KVK, AAU, Devataj. He requested all the participants to plant one tree on their birthday and to nurture it. Mrs. Veeruben Goradia, Range Forest officer, Sojitra discussed various schemes of the state Government for the conservation and protection of environment. Dr. Shrikant B. Katole, Scientist (Animal Science) discussed about the importance of environment and asked to take up tree plantation as a mass campaign. He also discussed the plantation of medicinal and aromatic plants in our household and make use of those under Ayurvedic consultant during this life threatening Corona pandemic. Dr. R. M. Patel, Scientist, Plant Protection discussed about the terrace gardening and told that by doing terrace gardening one can get fresh vegetables at household.

TREE PLANTATION

Students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand performed plantation activity at surrounding areas of their residence in the month of June-2021. They have also created awareness among the neighbourhood/villagers for growing more and more plants which then can prevent environmental pollution.



ACTIVITIES OF INFORMATION TECHNOLOGY CENTER

e-Learning

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

Technical support and Infrastructure - Live Streaming

IT center facilitated the different departments for conducting the online workshop, webinar, training, meeting and live streaming at the computer lab.

Online exam

In the pandemic of COVID-19, Online Objective Examination System developed and managed by the IT center was used by different departments/colleges of the AAU. More than 1600 students benefitted from this online exam system.

NAHEP CAAST Project Recruitment test

In the month of June, SRF and PA recruitment online tests were conducted at the computer laboratory of the Information Technology Center.

NADCP Computerized Data Entry

IT Center facilitated the computer lab of the NADCP - Animal Husbandry Department District Panchayat Anand – for the Computerized Data Entry of Registration and Vaccination.

ORGANIZATION OF TRAINING PROGRAMMES

KVK, Dahod

- ♦ Five different on-campus training programmes were organised by KVK, AAU, Dahod on various topics concerned to agriculture and allied subjects wherein 105 farmers and farm women participated actively. An online webinar was also conducted on 'Scientific Soybean Cultivation' which was keenly attended by 42 farmers.



Two off campus village level training programmes were organised and conducted by KVK, AAU, Dahod. Total 59 farmers and farm women participated in these programmes.

KVK, Devataj

- ♦ During this period KVK, AAU, Devataj organized fifteen online on campus training programmes benefitting 594 farmers and farmwomen.
- ♦ KVK, AAU, Devataj organized online training programme on 'Preparation of Paddy Nursery and Agricultural Practices for Direct Seeded and Transplanted Paddy'. Welcome speech was given by Dr. A. C. Vaidya, Senior Scientist and Head. He discussed the qualities of paddy and requested all participants to use rice brand oil and unpolished paddy for human consumption.



Dr. M. B. Parmar, Assoc. Research Scientist & Head, Main Rice Research Station, AAU, Navagam discussed the use of area specific varieties of paddy and their characteristics. He urged all the participants to follow the scientific cultivation of paddy to obtain more production.

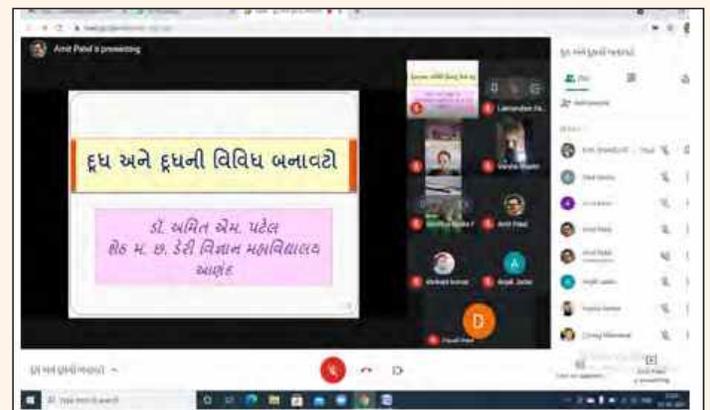
- Dr. Y. C. Lakum, Scientist (Agronomy) discussed about scientific preparation of bed for raising rice seedlings, how to prepare ideal paddy nursery, fertilization and irrigation in paddy nursery, weed control and efficient use of mineral/fertilizer in paddy nursery. Dr. R. M. Patel, Scientist, Plant Protection discussed about seed treatment and other protection measure for disease/ pest control in paddy nursery.
- KVK, AAU, Devataj organized online training programme on 'Kitchen Garden' on 25 June 2021. Welcome speech was given by Dr. A.C. Vaidya, Senior Scientist and Head. He discussed the importance of kitchen garden to get fresh and healthy vegetables for human consumption daily. Mrs. A. B. Parmar, Asst. Prof., College of Horticulture, AAU, Anand discussed in detail about the package of practices of various vegetable crops in kitchen garden. She also discussed about the location of kitchen garden, seasonal vegetables, use of organic manures and vermi-compost, terrace gardening, hydroponics, details about fruits, flowers and medicinal plants in kitchen garden. Mrs. A. N. Jadav, Prog. Asst. (Home Science) talked about the various nutrients present in fruits and vegetables. Dr. R. M. Patel, Scientist, Plant Protection described about the



occurrence of pest and disease control in kitchen garden. Dr. Shrikant B. Katole, Scientist, Animal Science suggested to make use of cow dung and urine in kitchen garden to get more economical return in vegetable crops.

ONLINE PROGRAMME ON MILK AND MILK PRODUCTS

KVK, AAU, Devataj organized online programme on milk and milk products. Welcome speech was given by Dr. A. C. Vaidya, Senior Scientist and Head, KVK, AAU, Devataj. The Chief guest of the programme Dr. Amit Patel, Asst. Prof. from SMC Dairy Science College, Kamdhenu University, Gandhinagar gave schematic presentation on preparation of various milk products such as *Basundi*, *Gulabjamun*, *Rasgulla*, *Burfi*, *Ghee*, *Paneer*, *Chhana*, Curd, Butter milk etc. Dr. Shrikant B. Katole, Scientist (Animal Science) discussed about the importance of water in livestock and summer stress management in animals. He informed farmers about the importance of milk and milk products in diet. Mrs. A. N. Jadav, Prog. Asst. (Home Science) discussed about the various nutrients present in milk.



NAHEP-CAAST

A three-day online training on 'Sandalwood Cultivation' at Anand Agricultural University has been jointly organized by the Center of Agricultural Market Intelligence, NAHEP, CAAST and Sandalwood Development Association on 4 April 2021 under the chairmanship of Hon. Vice Chancellor, AAU, Anand Dr. K. B. Kathiria

The Chief Guest Shri A. S. Rawat (I.F.S.- Director General, ICFRE, Dehradun), Advisor Dr. Prabhat Kumar (National Coordinator, NAHEP-CAAST, ICAR, New Delhi), Dr. M. K. Zala (Director of Research and Dean PG studies, AAU, Anand), Convener Dr. R.S. Pundir (Professor and Principal Investigator, NAHEP-CAAST, AAU, Anand), Co-Convener Dr. Y. A. Lad (Core Co Principal Investigator, NAHEP-CAAST, AAU, Anand), Organizaing Secretary Shri Nitinbhai Patel (President, Chandan Vikas Association), The Guest of Honors, Dr. J. L. N. Shastri (CEO-NMPB, Delhi) and Dr. M. P. Singh



(I.F.S. Director, IWST-Bengaluru) remained present in the programme.

On the occasion of this online training, the experts had a detailed discussion on the cultivation of sandalwood as well as how to select sandalwood seedlings from an authorized seller. In addition, preventive measures of sandalwood smuggling and its cost were discussed. The experts opined that, there is need for more research by postgraduate students, agricultural experts and agricultural scientists on sandalwood cultivation which can go a long way in enhancing farmers' income.

BEST CENTRE AWARD 2020

In recognition of the outstanding contribution made in the weed management in Gujarat State, the team lead by Dr. B. D. Patel, Agronomist and PI, AICRP-Weed Management, BACA, Anand Agricultural University, Anand was presented Best Centre Award-2020 of AICRP-Weed Management for the year 2020 as **"OUTSTANDING ALL INDIA COORDINATED RESEARCH PROJECT ON WEED MANAGEMENT AWARD-2020"** amongst all the AICRP centres on the 18 June 2021 by the Directorate of Weed Research, Jabalpur in the 28th Annual Review Meeting held online during 18-19 June 2021.



STUDENT CORNER

VACCINATION AWARENESS

Students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand carried out campaign for vaccination awareness. They took vaccine at their village place, prepared slogan for vaccination and gave message to the youth and society in

general for vaccination against COVID-19. They also made promotional video of vaccination and shared among the group of students.



COVID-19 AWARENESS CUM PREVENTION CAMPAIGN

As a movement to fight against COVID-19 and current pandemic conditions in all over India, COVID-19 awareness is the only tool to prevent corona virus by following rules and guidelines given by GOI.

As a part of this movement, an "Online COVID-19 Awareness cum Prevention Campaign (#Unite2FightCorona)" was run by NSS Unit of College of Agricultural Engineering and Technology, AAU, Godhra. First and second year NSS volunteers actively participated in the campaign by preparing and circulating various posters and slogans (#Unite2FightCorona) related to COVID-19 among the students, faculties, communities, society and other people who suffered from this pandemic conditions through online mode. In addition to this students also prepared two short videos from their home. Whole campaign was run under the guidance of Dr. R. Subbaiah, Dean, CAET, Godhra.



CAMPUS PLACEMENT 2021



Considering need of collaboration between Agriculture sector and Information Technology, Anand Agricultural University has brought out unparalleled and unique under-graduate programme "Bachelor of Technology in Agricultural Information Technology" to fill up this gap and to provide quality education in Information Technology assisted Agriculture. In the recent years, the graduates of this college have manifested their caliber in the industry as well as in higher education.

Despite the sluggishness in the global economy due to COVID pandemic, the College of Agricultural Information Technology (CAIT) has witnessed a 100% placement this session.

The maximum salary offered is ₹ 3.00 lakh per annum (LPA) and mean salary stood at ₹ 1.76 LPA. Previous year maximum salary offered was ₹ 3.36 LPA and mean salary was ₹ 1.80 LPA. As many as 18 students secured placements with offers being rolled out by 12 recruiters during campus placement and internship.

Under ITC Excellence Scholarship Programme (ITC-ESP), a student from this batch has secured admission in Master's Programme on "Geo-Information Science and Earth Observation" at Faculty of Geo-Information Science and Earth Observation, University of Twente.

PUBLICATION OF FARM MAGAZINE



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

RETIREMENTS

April 2021

- 1 Dr. D.H. Desai, Associate Res. Scientist, BTRS, AAU, Anand (Death)
- 2 Dr. Girishbhai G. Patel, Senior Scientist & Head, AAU, Devataj (Death)
- 3 Dr. Sasidharan N., Asso. Res. Sci, Hill Millet Research Station, AAU, Dahod (Retired)
- 4 Dr. D. D. Patel, Asso. Ext. Education, DoEE, AAU, Anand, (Voluntarily Retired)
- 5 Shri Prakashbhai M. Patel, Mechanical Draftsman, Dairy Science College Anand (Death)
- 6 Shri Dineshbhai Chotabhai Patel, Argil. Supervisor, BACA, AAU, Anand (Retired)
- 7 Smt. Krutika R. Jani, Lab Technician, Vet. College, AAU, Anand (Retired)
- 8 Shri Abhesingh Udeshing Dabhi, Lab Attendant (Kalam -I Kayami), BTRS, AAU, Anand (Retired)
- 9 Shri Udeshing Mohansingh Jadav, Peon (Kalam -I Kayami), DoR, AAU, Anand (Retired)

May 2021

- 10 Shri Vinodbhai Dayabhai Vaghela, Junior Clerk, AAU, Thasara (Retired)
- 11 Shri Ibrahim V Shikh, Lab Technician, Vet College, AAU, Anand (Retired)
- 12 Shri Manilal Shankarbhai Parmar, Peon, DoEE, AAU, Anand (Retired)
- 13 Shri Amarsinh Samatsinh Parmar, Peon, BTRS, AAU, Anand (Retired)

June 2021

- 14 Dr. Narendrasinh Balvantsinh Chauhan, Professor & Head, BACA, AAU, Anand (Retired)
- 15 Dr. Raghupatruni Venkateswara Prasad, Professor, FPT&BE, AAU, Anand (Retired)
- 16 Shri Bhagvanbhai Valjibhai Hirpara, Assistant Res. Scientist, ICAR, Anand (Retired)
- 17 Shri Raiyabhai Popatbhai Vaghela, Sr. Clerk, DSW, AAU, Anand (Retired)
- 18 Shri Raiyigibhai Mangalbhai Khat, Agril Assistant, AAU, Thasara (Retired)
- 19 Shri Baldevbhai P.Gurjar, Stockmen, Vet. College, AAU, Anand (Retired)
- 20 Shri Bhagvansinh Dayabhai Vaghela, Kayami rojamdarkalam-1, Vet. College, AAU, Anand (Retired)
- 21 Shri Shankarbhai Ravjibhai Gohel, Kayami rojamdarkalam-1, BTRS, AAU, Anand (Retired)
- 22 Shri Kalyansinh Jitsinh Sisodiya, Kayami rojamdarkalam-1, AAU, Sanand (Retired)
- 23 Shri Shantilal Iswerbhai Vaghela, Kayami rojamdarkalam-1, BACA, AAU, Anand (Retired)
- 24 Shri Dharmansinhbhai Kanjibhai Dabhi, Kayami rojamdarkalam-1, AAU, Arnej (Retired)
- 25 Shri Vasudevabhai Pragjibhai Patel, Kayami rojamdarkalam-1, Office of the Exe. Eng., AAU, Anand (Death)

Do not watch the clock; do what it does, Keep going.

- Sam Leveson

Book-Post

To

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