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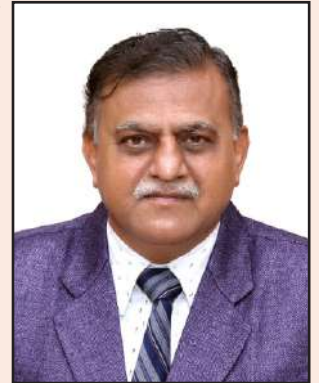
Hon'ble Vice Chancellor's Message

COVID-19 Impacts on Agriculture

India has taken prompt action against spreading of COVID-19 through a nationwide lockdown from March 25, 2020. COVID-19 has affected all the sector across the globe. Although agriculture accounts for 16.5% of India's gross domestic product (GDP), more than half the population depends on agriculture and allied sector. Therefore, addressing the Impact of COVID-19 on Agriculture is very important for ensuring the growth of country.

There will be the medium and longer-term consequences of the pandemic. Shortages of labour could disrupt production and processing of food and will impact very harshly on food supply chains. Some measures are required to keep the agricultural sector and supply chains working smoothly. Reforms and new ideas in the agriculture marketing system have to be emerged from scientific community. The e-NAM app can be helpful in this crunch situation where farmers can deal regarding quality and price of their produce remotely by uploading pictures of their samples and then getting these samples scientifically checked for quality, without having to move entire truck loads to physical markets. The e-NAM platform now has a total of 785 markets online. As lockdown measures have increased, demand has risen for home delivery of groceries and E-commerce, this trend should be encouraged and promoted. The foreign exchange contribution of agriculture in terms of exports of agricultural commodities was high as \$38 billion in 2018-19. India should grab the opportunity and export the surplus commodities like rice, meat, milk products, tea, honey, horticultural products.

The prediction of a favorable monsoon in the 2020 season has been announced by IMD. This is indeed a good news in the COVID scenario, assuming agriculture practice largely intact. As the *Kharif* season of crop is underway, seeds and planting materials must continue to flow to smallholders; animal feed to livestock breeders; and aquaculture inputs to fish farmers. This will help the farmers to overcome from crisis to much extent. Government of India has now increased its focus on nutrition (besides food)-security and raising farmers' income (rather than enhancing only farm productivity). The future research should focus on improving the labour and land productivity, food processing and value addition, farm mechanization and precise input applications.



V. P. Chovatia

Releasing of New Varieties of Groundnut

Gujarat Groundnut 23 (GG23)

Oilseed Research Station, JAU, Junagadh released a new Groundnut Variety. The Virginia bunch groundnut variety Gujarat Groundnut 23 (GG 23) has recorded mean pod yield of 2800 kg/ha, which was 13.85 and 17.17% higher over the check varieties, GJG 22 (2459 kg/ha) and GG 20 (2390 kg/ha), respectively. This variety has also recorded higher kernel yield, oil yield and number of pods per plant over the check varieties. This variety was found comparable to the check varieties against tikka, rust, stem rot and collar rot diseases. The damage due to leaf defoliators was lower in GG 23 than the check varieties.



Gujarat Groundnut 35 (GG 35)

Oilseed Research Station, JAU, Junagadh released one more new Spanish bunch groundnut variety Gujarat Groundnut 35 (GG 35) which has recorded mean pod yield of 3177 kg/ha, which was 29.54, 28.59 and 15.17% higher over the check varieties, GG 7 (2452 kg/ha), GJG 9 (2471 kg/ha) and TG 37A (2758 kg/ha), respectively. This variety has also recorded high kernel yield, oil yield and number of pods per plant over the check varieties. This variety was found comparable to the check varieties against tikka, rust, stem rot and collar rot diseases. The damage due to leaf defoliators was also lower in GG 35 than the check varieties.



Training under NAHEP (IDP)

Alternative Scientific Modalities to Improve the Learning Skills in Veterinary Anatomy

Department of Veterinary Anatomy, College of Veterinary Science & A.H., JAU, Junagadh organized a Vocational Training on “Alternative Scientific Modalities to Improve the Learning Skills in Veterinary Anatomy” on January 21-25, 2020. There were ten technical sessions having 18 technical lectures including demonstration of advanced research techniques and training modules. Eighty students of B.V.Sc. & A. H. had participated in the programme. Dr. P. H. Tank, Principal and Dean, Veterinary College, JAU, Junagadh presided over the function with motivational remarks. Dr. Arvind Kotecha, Veterinary Consultant (Canada) remained present as Chief Guest of the function. Dr. Partha Das, Professor & Head, Dept. of Vet. Anatomy & Histology,

WBUAFS, Kolkata remained present as Guest of Honor; Dr. K. N. Vyas, Retd. Dean, College of Veterinary Science & A.H., AAU, Anand; Dr. K. A. Khunt, Principal and Dean, PG Institute of ABM and Dr. Y. L. Vyas, Retd. Professor & Head, Dept. of Vet. Anatomy, College of Vet. Science & A.H., AAU, Anand along with other delegates graced the function with their presence. The participants got sensitized with the alternative scientific modalities, recent advancement in the field of veterinary anatomy and they also got the chance to have hands on training on various techniques. The Eminent speakers from various institutes like; GADVASU Ludhiana, LUVAS Hisar, TANUVAS Chennai, WBUAFS Kolkata, MAFSU Nagpur, Gannavaram, and other SAU's from Gujarat delivered the talk. The valedictory function, was presided by Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh with motivational remarks. Dr. Geetha Ramesh, Professor and Head, Dept. of Vet. Anatomy, TANUVAS, Chennai remained present as Chief Guest of the function and Dr. P. H. Tank, Principal and Dean along with other delegates graced the function with their presence.



Honeybee Farming for Entrepreneurship Development

To develop skills and entrepreneurship of apiculture amongst the students of under graduation, Department of Entomology, College of Agriculture had organized 5 days Vocational Training on “Honeybee Farming (Apiculture) for Entrepreneurship Development” under NAHEP (IDP) during February 11-15, 2020. Total 34 students had participated the training. Total 10 scientific lectures were delivered and 4 practical were conducted during this training. The field visits were also arranged at apiary site of Entomology department at Sukhpur.



GIS Application in Fisheries

Five days Vocational Training on “GIS Application in Fisheries” was organized during January 13-17, 2020 by College of Fisheries Science, JAU, Veraval under the aegis of Institutional Development Plan, ICAR. Total 55 students of 4th semester B.F.Sc. participated. Overall 13 different resource persons from various institutes delivered expert lectures.



Fisheries under the Era of Automation and Artificial Intelligence

Five days Vocational Training on “Fisheries under the Era of Automation and Artificial Intelligence” was organized during January 13-17, 2020 by College of Fisheries Science, JAU, Veraval under the aegis of Institutional Development Plan, ICAR. Total 49 UG students of 6th semester participated.

English Speaking and Communication Skills Training

College of Fisheries Science, JAU, Veraval organized “English Speaking and Communication Skills” training under IDP during January 17-18, 2020, to improve the fluency and confidence of the student and improve the ability of the student to communicate effectively in English. A total of 73 students participated in this workshop.



Social and Human Values

College of Fisheries Science, JAU, Veraval organized a training on “Social and Human Values” under IDP on January 16, 2020 to understand the moral values that ought to guide the management profession, resolve the moral issues in the profession among young students. A total of 73 students participated.



Challenges and opportunities in the field of seafood processing sector

Vocational training on “Challenges and opportunities in the field of seafood processing sector” was organized by College of Fisheries Science, JAU, Veraval during January 20-24, 2020. Total 55 UG students of 4th semester participated. This vocational training programme was immensely useful to all the students for their future professional life in the field of Fish Processing Technology.



Advances in Fish Processing Technology

College of Fisheries Science, JAU, Veraval organized Vocational Training on “Advances in Fish Processing Technology” during January 20-24, 2020. Total 49 students of 6th semester B.F.Sc. participated.

Advances in fish disease diagnosis and health management in aquaculture

Vocational Training programme on “Advances in fish disease diagnosis and health management in aquaculture” was organized by College of Fisheries Science, JAU, Veraval during March 2-6, 2020 under the aegis of IDP. Total 40 UG students of 7th semester participated. Overall 7 resource persons from various Universities and National Institutes were invited to address the participants.



International Training

The qualified students of 6th Semester from College of Fisheries Science, JAU, Veraval were selected for international training under Institutional Development Plan (IDP), NAHEP (ICAR) Project. The student has to undergo the training on Application of Smart Aquaculture Technologies under the guidance of Dr. Krishna Salin, Course Director during January 16 to April 16, 2020 at School of Environment, Resources and Development, Asian Institute of Technology, Thailand.



MoU under IDP (NAHEP)

In a bid to inculcate advanced techniques of Drug Discovery and Development to the students, JAU, Junagadh has signed a MOU with Prerana Bio-Innovations Research Pvt. Ltd., Gandhinagar on December 28, 2019 under Institutional Development Plan (ICAR, New Delhi). Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh; Dr. P. Mohnot, Associate Director of Research; Dr. D. D. Garg, In-charge Principal, Veterinary College; Dr. Deepak Barot, Director, Prerana Bio-Innovations Research Pvt. Ltd., Gandhinagar and other staff of JAU were present. As a part of this programme, both institutes mutually may design and conduct scientific programmes and short duration training programmes for students. The students are expected to gain expertise in *in vitro* and *in vivo* techniques for testing efficacy of drug molecules through advanced automated instrumentation. Besides, continuous hand-holding will also be given to the students in the field of laboratory animal science. Under this MOU, JAU and PBR may organize joint seminar, workshop and meetings on research issues in the area of mutual interest. PBR may also propose to design and conduct short-duration international training programme and exposure visits for both UG students and faculties of JAU. Students may have more opportunity to get employment in Private Pharma sector with this industry-academia bridge.



Special Lectures under IDP (NAHEP)

Lecture on Social & Human Values

One day programme on “Social and Human Values” organized under IDP (NAHEP) for the students of 4th Semester B. Tech. (Agril. Engg.) on Jan 20, 2020 at CAET, JAU, Junagadh. The tutors Shri Yatinbhai Karia, Director and Shri Hirenbhai Mehta, National Trainer, JCI, Junagadh nicely delivered the lecture. Dr. N. K. Gontia, Principal & Dean, CAET presided over the function; Dr. P M Chauhan, I/C Registrar and Co-PI, IDP-NAHEP and Dr. V. R. Malam, Director of Students'

Welfare boosted the students by remaining present in the inaugural as well as valedictory programme. A total 67 students were benefited through the programme.



Lecture on English Speaking and Communication Skills

Two-days programme on “English Speaking and Communication Skills” organized under IDP (NAHEP) for the students of 2nd Semester B. Tech. (Agril.Engg.) during Jan 21-22, 2020 at CAET, JAU, Junagadh. The tutors, Mr. Pradeep Sharma and Mr. Prakash Nanda nicely taught the techniques to improve word power, the factors to be given importance for improving fluency in English speaking. Various activities were conducted by them for increasing the involvement of students. Total 83 students were benefited through the programme.



Brackish water Aquaculture Farmers' Conclave

Total 37 students of 8th semester B.F.Sc. attended 'Brackish water Aquaculture Farmers' Conclave (BAFAC-2020) during February 19-20, 2020 conducted by ICAR-CIBA at Surat International Exhibition and Convention Centre, Surat. It included a field visit to model shrimp farms in vicinity of Surat and the thematic presentations by the farmers on field level issues in brackish water aquaculture and innovative practices to manage them and associated discussions with students and other participants.



Dog Carnival and Fun Show 2020

Department of Animal Genetics and Breeding, College of Veterinary Science and A.H. in joint collaboration with Dog Care Hospital, Junagadh organized a “Dog carnival and fun show 2020” on March 7, 2020. A small booklet containing comprehensive information of Indian dog breeds and pamphlets containing information for pet owners were also released. Pet owners along with their pets participated in various events like; Best of Breed, Best of Show, Prettiest Bitch, Handsome Dog, Adorable Puppy, Most appealing eyes and Best child handler. An obedience test was also performed by Shri Shivraj Jhala from Jamnagar. Around 170 pet owners registered for the event. At the end of the event the winners were awarded trophies in various categories by Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU; Dr. V. R. Malam, Director of Students' Welfare; Dr. P.H. Tank, Principal and Dean, CoVSAH and various other dignitaries. Pet owners were also provided deworming, Dog grooming, deticking, shampoo bath, counselling and technical guidance on various areas like; vaccination, nutrition and management of pet keeping. It was a good learning experience for all students of Veterinary College as they were exposed to various breeds of the dogs.



Rugose spiraling whitefly on coconut in Gujarat

Rugose Spiraling Whitefly (RSW), *Aleurodicus rugioperculatus* Martin firstly reported from Tamil Nadu state in India and recently, this invasive pest has entered in the coconut growing areas in Gujarat state. A survey was conducted for the identification of this invasive pest infesting coconut in Saurashtra region of Gujarat during August, 2019. Under the guidance of Hon'ble Vice Chancellor and Director of Research, Dr. V. P. Chovatia, intensive continue survey work in coconut was carried out in Mangarol and Veraval of Saurashtra region. The samples were collected and brought to the Biocontrol Research Laboratory of JAU and identified as Rugose Spiraling Whitefly (RSW), *Aleurodicus rugioperculatus* Martin on the basis of morphological and molecular characterization. This is the first ever confirmed report made of this invasive pest in coconut fields of Gujarat.



Celebration of Days

Birth Anniversary of Netaji Subhash Chandra Bose

Junagadh Agricultural University celebrated the birth anniversary of well-known freedom fighter Netaji Subhash Chandra Bose with befitting manner on January 23, 2020. Floral tribute was paid to this great leader by Dr. V. P. Chovatia, Hon'ble Vice Chancellor in the auspicious presence of Dr. V. R. Rajani, Director of Extension Education, Mr. Sunilbhai Jethani, Comptroller, Dr. N. K. Gontia, Principal & Dean of CAET, Dr. P. H. Tank, Principal & Dean



of College of Veterinary Science, Dr. B. K. Sagarka, Principal, College of Agriculture and Dr. K. A. Khunt, Principal of PGIABM, Junagadh. About 210 NSS volunteers and 50 staff members were participated in this programme. Colleges/Polytechnics had arranged essay/debate competitions.

College of Agriculture, Khapat (Porbandar) also celebrated Netaji Subhash Chandra Bose Jayanti. Dr. R. K. Odedra delivered a motivational speech on Netaji Subhash Chandra's life to encourage the audience. Dr P. S. Gorfad also intimated the students about various acts of Netaji's patriotism. The celebration included the elocution competition on the Netaji Shubhash Chandra Bose. The celebration ended with National Anthem.

Martyr's Day

On January 30, 1948; Mahatma Gandhi, the Father of Nation, was assassinated at Gandhi *Smriti* in the Birla House. This day is being observed as *Shaheed Diwas* in the country. NSS volunteers of Polytechnic in Agro-Processing celebrated the Martyr's Day on January 30, 2020. The volunteers observed two minutes' silence to pay homage to the Father of Nation at 11 am.



Dr. N. K. Dhamsaniya, Principal of the Polytechnic delivered the speech on the contribution of various Martyr's in getting freedom to India. Also, a 45-minute documentary on contribution of Mahatma Gandhi to India's independence movement was displayed to the volunteers. The programme was concluded with vote of thanks proposed by Mr. H. G. Monapara, NSS programme officer of the Polytechnic.

Republic Day

Junagadh Agricultural University, enthusiastically celebrated 71st Republic Day on January 26, 2020 in the auspicious

presence of Hon'ble Vice Chancellor Dr. V. P Chovatia; Registrar, Dr. P. M. Chauhan; Assistant Director of Research, Dr. V. V. Rajani; Director of Students' Welfare, Dr. V. R. Malam, Principal and Deans of various colleges, staff members remained present in the celebration. At this occasion, 21 class IV cadre viz., labour, peon, lab boy, etc. were felicitated.



College of Agriculture, Khapat (Porbandar) & KVK Khapat also celebrated Republic Day at Khapat.

World Engineering Day

Considering the global awareness and understanding of the role of engineering in modern life, United Nations Educational Scientific and Cultural Organization (UNESCO) has declared 4th March as World Engineering Day for sustainable development. College of Agril. Engg. and Tech., JAU, Junagadh has celebrated the “World Engineering Day”. On this occasion, Dr. N. K. Gontia, Principal and Dean, CAET presided over the function and Dr. P. M. Chauhan, Registrar, JAU was remained present as a Guest of the function. A quiz competition was organized on General Knowledge about engineering and technology. Total 40 students participated in the quiz competition and the winners of the competition were appreciated by awarding the prizes. About 100 students and 10 faculty members remained present and graced the programme.

International Women's Day

International Women's Day was celebrated at KVK, Morbi on March 8, 2020. Total 56 farmwomen got knowledge about their role in our society; their rights; new technology of Agriculture, kitchen garden, value addition of different fruit crops etc.



Krishi Vigyan Kendra, Nana Kandhasar, Surendranagar also celebrated the international women day. Scientists encouraged the women farmers to take up agriculture for sustainable income generation and to become producers rather than consumers through cultivation of high quality hybrid. Around 43 women farmers from various agriculture and allied sectors participated in this programme. They visited different demonstration units established by KVK.

The International Women Day was also celebrated by KVK Pipaliya. Total 156 Farmwomen including PSIs and Head police constables from Junagadh, officers from Nari Adalat and Anaganwadi, 181 helpline officers participated in this programme with a goal to accelerate the minds of beneficiaries towards the theme of International Women Day- 2020. Many ideas were shared among the beneficiaries with a two-way communication with a focus on innovative ways to advance gender equality and empowerment of women particularly among rural women.



KVK, Targhadia also celebrated International Women Day at Paddhari (Rajkot). Total 49 Anganwadi workers and farm women have participated in this programme. The information regarding Kitchen Gardening, women and child health, women empowerment, value addition of different fruit crops etc. provided in the programme. On this occasion, the competition on “Preparation of Nutritional Dish” was organized by the Anganwadi Sisters.

Constitution Day

Krishi Vigyan Kendra, JAU, Nana Kandhasar celebrated Constitution Day on January 20, 2020. During this event, the fundamental duties under Article 51-A of the Indian Constitution were discussed by KVK scientists with participants.

Soil Health Card Day

Department of Agriculture, Surendranagar organized “Soil Health Card Day” in collaboration with KVK, JAU, Nana Kandhasar, at Ramdevgad, Sanghani and Kanpar Village of Surendranagar district on February 19, 2020. The Soil Health Card Scheme was launched by Hon'ble Prime Minister Shri Narendra Modi on this day. The objective of the Soil Health Card (SHC) scheme is to issue soil health cards to farmers so as to provide a basis to address nutritional deficiencies in fertilization practices. Scientists highlighted the importance soil testing, balanced fertilization in enhancing crop yields and sustaining soil fertility through soil test based nutrient management A total of 275 farmers were participated in the programme.

KVK Targhadia also celebrated “Soil health Card day” at Paddhari, Rajkot, Jasadan and Vinchhiya Taluka of Rajkot Dis on February 19, 2020 in collaboration with Agriculture Department, Rajkot. Total 308 farmers, farmwomen and extension workers had participated in this programme. In this programme, the information on importance of soil in agriculture, role of soil health for crop production, collection of soil sample for analysis, importance of soil health card provided to the farmers.

National Voter's Day

“National Voter's Day” or “*Rashtriya Matdata Diwas*” is celebrated every year on 25th January since 2011 to encourage young voters to take part in effective electoral process. On this occasion, every voter is expected to take National Voter's Day pledge for ethical electoral participation.



This year due to holiday on January 25, 2020 as per instruction of Office of Chief Electoral Officer, Gujarat State, National Voter's Day was celebrated on January 24, 2020. On National Voter's day administration of voter's pledge was facilitated by Dr. P. H. Tank, Principal and Dean, College of Veterinary Science and Animal Husbandry, JAU, Junagadh to all the teachers and students at 11.00 am in seminar hall under the aegis of NSS Unit of the college with a view to promote democratic electoral participation.

International Mother Language Day

"Mother Language Day" was celebrated by the NSS Unit of the College of Veterinary Science and Animal Husbandry, JAU, Junagadh on February 21, 2020 under the chairmanship of Dr. P. H. Tank, Principal and Dean, College of Veterinary Science and Animal Husbandry, JAU, Junagadh. Lecture on "History of Gujarati Language" was delivered by Dr. R. J. Padodara, SRC Chairman and Dr. P. H. Tank delivered lecture on "The importance of mother tongue in human life". An exhibition of about 150 books written by different authors in Gujarati language was organized by the library of this college on these occasion. The program was attended by staff members and a total of 133 students of the college.



NSS unit of Polytechnic in Agriculture, Junagadh Agricultural University, Dhari also celebrated Mother Language Day to promote awareness of cultural and linguistic diversity of India.

RAWE Visit

Final year UG students of Faculty of Fisheries, SKUAST-K, Srinagar and their faculty members visited College of Fisheries Science, JAU, Veraval for stay during their RAWE programme visit to different fish processing plants at Veraval. Thirty-seven students and two faculty members of Faculty of Fisheries, Srinagar interacted with Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Dr. P. M. Chauhan, Registrar, JAU, and faculty members of CoF, Veraval on January 13, 2020. They shared knowledge regarding cold water fisheries and other information related to their institute. It was immensely useful to all the students for their future professional life in the field of Fisheries.

Training Programmes

Krushu Pedashonu Processing and Mulyavardhan tatha Krushima Plastic no Upyog

One-day training programme on “*Krushu Pedashonu Processing and Mulyavardhan tatha Krushima Plastic no Upyog*” was jointly organized by the AICRP on PHET, PET and IWM in collaboration with Agakhan Rural Support Programme (AKRSP), Porbandar for the Schedule Caste farmers of Tukda Miyani village (Porbandar) under Schedule Caste Sub-plan Project (SCSP) on January 31, 2020. The programme was inaugurated by Dr. N. K. Gontia, Principal and Dean, CAET, JAU, Junagadh. Dr. H. D. Rank, HoD, SWE, Dr. M. N. Dabhi, Research Engineer, AICRP on PHET, Dr. R. M. Satasiya, Research Engineer, AICRP on PET, Mr. V. K. Jogal, Cluster Manager, AKRSP and other faculty remained present in the programme. About 100 Schedule Caste farmers participated. Various lectures on food processing and value addition, use of plastics in agriculture as well as use of micro irrigation systems were delivered by the experts of AICRPs during the training programme.

Seed Production in Field Crops

A one-day training on “Seed Production in Field Crops” was organized by the Department of Seed Science and Technology, College of Agriculture, JAU, Junagadh on February 20, 2020 at Village Dungari of Junagadh district, the village adopted by the department under *Mera Gaon Mera Gaurav* scheme. More than 300 farmers including 100 women farmers participated in the programme. Dr. J. B. Patel, Professor and Head of DSST, elaborated the benefits of quality seed production and encouraged the farmers to take the seed production on their own farms. He also highlighted the activities carried out at JAU in the field of seed production. The farmers were trained on seed production technology as well as plant protection measures in crops like groundnut, cotton, pigeon pea, mung bean, urdbean, wheat, sesame, etc. by the experts of respective crops.

Applied Mathematics for Agricultural Decision Making

Department of Agricultural Statistics, College of Agriculture, JAU, Junagadh organized a training on 'Applied Mathematics for Agricultural Decision Making' during March 13-17, 2020. The programme was aimed to impart the skill to the students in using applied mathematics in agricultural decision making system. This may also help them in preparing for various competitive examinations like bank examinations, UPSC, GPSC, CAT and other B-School oriented entrance tests.

Awareness Programme

Way to Digital India

National Service Scheme unit of College of Veterinary Science and Animal Husbandry, JAU, Junagadh in collaboration with State Bank of India, JAU campus branch organized digital banking awareness programme entitled “Way to digital India” on January 18, 2020. On the occasion, Dr. P. H. Tank, Principal and Dean, welcomed all the SBI officers and their staff and delivered talk on the need of such programme for undergraduate students to make them aware about banking sectors, financial inclusion and literacy. SBI Officers briefed about the need for conducting the programme,

explained about importance of banking in day to day life of individuals, role of SBI for improving livelihood of people. They insisted that students and staff of Veterinary college make use of digital banking specially YONO SBI App for all your banking. They also highlighted on the insurance and pension schemes of SBI Life Insurance.

Jaffrabadi Buffalo Exhibition/ Calf Rally

Cattle Breeding Farm, JAU, Junagadh organized “Jaffrabadi Buffalo Exhibition/ Calf Rally” at Loej Village, (Mangrol) on January 08, 2020.



Hon'ble Vice Chancellor, Dr. V. P. Chovatia inaugurated the function. Dr. S.S. Dahiya, Director; Dr. K. P. Singh, Principal Scientist, Central Institute for Research on Buffaloes (ICAR-CIRB), Hisar, Haryana; Dr. V. V. Rajani, Director of Extension Education; Dr. P. M. Chauhan, Registrar; Dr. K. S. Murthy, Research Scientist, Cattle Breeding Farm; Dr. P. H. Tank, Principal & Dean, Veterinary College graced the function along with other faculty members.

Zonal Research and Extension Advisory Committee (ZREAC) Meet

Zonal Research and Extension Advisory Committee (ZREAC) is functioning at Zonal level of South Saurashtra & North Saurashtra Agro-climatic zones and two meetings are organized in the year viz., *kharif* and *rabi/summer*. Results of the research projects as well as suggestions for new technical programs for future research work were discussed in the meeting.



The 32nd ZREAC (*kharif*) meeting of South Saurashtra Agro-climatic Zone was held at JAU, Junagadh during January 16-17, 2020. In this meeting two new varieties of groundnut, 32 recommendations for the benefit of the farmers, 13 for scientific community and 45 new technical programmes were approved.

Similarly, 32nd ZREAC (*kharif*) meeting of North Saurashtra Agro-climatic Zone was held at JAU, Targhadia on January 27, 2020. In this meeting, one variety of pearl millet, three recommendations for the benefit of the farmers, five for scientific community and 13 new technical programmes were approved.

Agricultural Research Sub Committees Meet

Sixteenth Agricultural Research Sub Committees (AGRESCO) meetings of different subcommittees of JAU were held during the months of February and March, 2020. Total four different crop varieties, 52 recommendations for farming community, 35 for scientific community and 79 new technical programs were approved for the year 2020-21.

Discipline	No. of Recommendations		New Tech. Programs
	Farmers	Scientific	
Crop Improvement	2+4*	-	2
Crop Production	12	6	28
Plant Protection	20	14	13
Horticulture & Agro Forestry	5	-	5
Agricultural Engineering	10	1	7
Animal Science	1	4	9
Fisheries Science	1	-	1
Basic Science	1	2	6
Social Science	-	8	8
Total	52+4*	35	79

*No. of variety released

Farmers' Visit

More than 3000 farmers and farmwomen of Gujarat as well as other states of the country (Haryana, Rajasthan, Maharashtra and Madhya Pradesh) visited the Junagadh Agricultural University during the quarter under the guidance of Dr. B. K. Sagarka, Director of Extension Education, JAU, Junagadh. They visited “*Krishi Darshanalya*”, photo gallery of Sardar Vallabhbhai Patel at SSK and other departments of the University and acquired valuable information on advanced technologies in agriculture.

Veterinary Physiology Quiz Competition

Zonal (West) Level Veterinary Physiology Quiz Competition -2020 was organized by the Department of Veterinary Physiology & Biochemistry at COVSAH, JAU, Junagadh on January 30, 2020. The quiz program was inaugurated by Chief Guest of function, Dr. S.P. Rathod, Principal, GMERS, Junagadh. Dr. J. R. Khan, Vice President, SAPI, Professor & Head, Durg; Dr. Anup Kumar, Associate Professor, GMERS, Junagadh remained present at this occasion. Dr. P. H. Tank, Principal & Dean, COVSAH, JAU, Junagadh gave presidential address.



Total nine colleges participated from different west region states. After the inaugural function screening examination held and at the end of the examination, the first four-teams from Junagadh, Durg, Shirwal and S. K. Nagar participated in the final quiz. The final quiz had five rounds containing questions from Veterinary Physiology in the form of true-false, MCQ, identify the picture and rapid fire round. At the end of quiz, team from the Durg won the final quiz and team from the Shirwal was runners up. Dr. J. R. Khan awarded the trophy and certificates to winner teams.

NSS Camp

College of Agriculture, Khapat

Special NSS camp was organized at adopted village Rana Khirasara (Ranavav) during Feb 25 to March 02, 2020 by College of Agriculture, JAU, Khapat (Porbandar). In this camp, 25 volunteers participated. Various activities like; village cleaning, mehndi competition, tree plantation etc. were carried out during special camp.



Polytechnic in Agriculture, JAU, Dhari

Polytechnic in Agriculture, JAU, Dhari also organized 7 day NSS camp at Kathrota village of Dhari. *Vipasyana Shibir* and Special Lecture on competitive exams, Pre- preparation for Animal health camp and Special Lecture on environment and wildlife, Special Lecture on usage of chemical fertilizers and pesticides, Training Programme on Bakery Products, Training Programme on Pickles Preparation, *Khedut Shibir* were organized during the camp.

College of Veterinary Science and Animal Husbandry, JAU, Junagadh

NSS special camp was organized at village Prempara (Visavadar) by NSS unit of College of Veterinary Science and Animal Husbandry, JAU, Junagadh during month of March-2020. In the special camp 44 boys and 13 girls volunteers participated. Animal health camp, bakery training, *khedut shibir*, street play, village cleanliness drive and other awareness activities were organized during the camp.

The Volunteers of the NSS unit distributed deworming tablets, animal husbandry related leaflets, sparrow house in



village by door to door contact. Dr. V.R. Malam, Director of Students' Welfare and Programme coordinator (NSS), JAU, Junagadh and Dr. P.H. Tank, Principal and Dean, College of Veterinary Science and Animal Husbandry, JAU, Junagadh visited the camp. They observed the various activities and encouraged the NSS volunteers.

Exposure Visit

Exposure visit for the students of Polytechnic in Agricultural Engineering, JAU, Targhadia was organized at JAU, Junagadh during February, 2020. During this visit, students visited various stalls of Agricultural Technology and Machinery demonstration Mela held at CAET, Junagadh. They also visited Krishi Darshanalya, University Library, various departments of college, Artificial Intelligence Laboratory etc.

Krishi Sangam: Innovative Farmers' Meet

Krishi Sangam: Innovative Farmers' Meet was jointly organized by Junagadh Agricultural University, Junagadh and Confederation of Indian Industry (CII), Mumbai on February 29, 2020 at JAU, Junagadh. The programme was inaugurated by Dr. V.P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh. Dr. B.K. Sagarka, Director of Extension Education, coordinated all the activities of this programme.



In this event, the experts from various fields provided guidance on advanced practices in horticulture crops, integrated farming system, integrated pest and disease management of major crops, rain water harvesting and its efficient use, animal husbandry and increasing income of farmers by value addition as well as guidance on financial support from banks and other organizations. More than 250 farmers and farm women from Saurashtra participated in this event. Dr. V. R. Malam, Director of Students' Welfare; Mr. Gurpreet Singh Hira, Deputy Circle Head, Punjab National Bank; Mr. Kiran Mistry, Area Manager, Bluestar Ltd., Mr. Prasad Parte and Mr. Saurabh Rajurkar, CII remained present.

Training for Input Dealers

The Certificate Training Programmes on "Integrated Nutrient Management for Fertilizers Dealers" of Saurashtra were organized for 15 days during February 17 to March 5, 2020 and March 4-20, 2020 respectively. The training programme was inaugurated by



Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh and Dr. B.K. Sagarka, Director of Extension Education, JAU, Junagadh, Dr. S. G. Savaliya, Dr. G. R. Gohil, Dr. V. J. Savaliya, Dr. P. J. Gohil and Dr. H. C. Chhodavadia were remained present. Total 132 participants (Fifth and Sixth batch) successfully completed the training.

Training on Green /Net house

Certificate Training Programme on Green house / Net house crops was organized during January 29 to February 12, 2020.

The training programme was inaugurated by Dr. V.V. Rajani, Director of Extension Education, JAU, Junagadh and Dr. P. M. Chauhan, Registrar, JAU, Junagadh; Shri H. C. Usadadiya, Deputy Director of Horticulture; Dr. D. K. Varu, Shri A. M. Karmur and Dr. G. R. Gohil were remained present. Total 40 participants successfully completed the training.



Training for Extension Personnel

Three Days Training Programme on Recent Extension Approaches in Effective Transfer of Technology was jointly organized by Junagadh Agricultural University, Junagadh and Extension Education Institute, Anand during January 7-9, 2020.



The training programme was inaugurated by Dr. V. V. Rajani, Director of Extension Education, JAU, Junagadh and Dr. M. R. Patel and other Subject Matter Specialists delivered the lectures for updating the knowledge about extension approaches. Total 32 extension personnels participated in the training programme from the Krishi Vigyan Kendras. Extension approaches in the field of animal husbandry, horticulture, agricultural engineering were also covered in the training programme.

Workshop for Master Trainers of SPNF

One Day Workshop for Master Trainers of SPNF was jointly organized by JAU, Junagadh and ATMA on February 8, 2020. The programme was inaugurated by Acharya Dev Vratji, Hon'ble Governorshri, Gujarat State and Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh; Shri K. D. Panchal, Director, SAMETI and State Nodal Officer ATMA,



Gandhinagar; Dr. P. M. Chauhan, Registrar, JAU, Junagadh; Shri Prafulbhai Senjaliya, Co-ordinator, SPNF were remained present. Total 3700 master trainers participated in this workshop.

Scientific Advisory Committee Meetings

KVK Jamnagar

The 16th Scientific Advisory Committee (SAC) meeting of KVK, JAU, Jamnagar was held at KVK, Jamnagar on March 7, 2020. The meeting was chaired by Dr. V. P. Chovatia, Hon'ble Vice Chancellor and Director of Research, JAU, Junagadh. Dr. B. K. Sagarka, Director of Extension Education, JAU, Junagadh, Dr. D. L. Kadvani, Research Scientist (Millet) Jamnagar, other officers of line departments and Progressive farmers remained present in this meeting. Dr. K. P. Baraiya, Senior Scientist & Head presented annual progress report and Action Plan of KVK Jamnagar. Scientists of KVK, Jamnagar presented their subject wise report. Committee members appreciated their work and gave valuable suggestions.

KVK, Khapat

Krishi Vigyan Kendra, Khapat (Porbandar) organized 15th SAC meeting on February 12, 2020. Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh; Dr. B. K. Sagarka, Director of Extension Education, JAU, Junagadh; Shri J. N. Parmar, DAO, Porbandar; Shri Gohil, ADA (Ext.), Porbandar; Representative of DHO; Staff of ATMA project; farmer members of SAC & progressive farmers remained present. Dr. B. K. Sagarka, DEE presented the recent trends in extension work & other key points taking into consideration which were contemporary. The progress report of 2019-20 was presented by respective scientists of various disciplines.

KVK Nana Kandhasar

The 15th SAC Meeting of KVK, Nana Kandhasar was organized on March 13, 2020. The Sr. Scientist and Head presented the annual progress report for the year 2019 and also proposed Action Plan for the year 2020 which included the OFTs and FLDs.

KVK, Pipaliya

The 8th SAC Meeting of KVK, Pipaliya was organized on March 12, 2020 in the presence of Hon'ble Vice Chancellor & Chairman of SAC, Dr. V. P. Chovatia; Director of Extension Education, Dr. B. K. Sagarka. Sr. Scientist & Head presented the annual progress report for the year 2019 and also proposed Action Plan for the year 2020.

KVK Targhadia

The 17th SAC meeting was held at KVK, JAU, Targhadia on March 12, 2020. The meeting was chaired by Dr. V.P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh. Senior Scientist & Head, KVK, Targhadia presented the action taken report and all scientists of different discipline had presented annual progress report and action plan. All the HoDs of different line departments of the Rajkot district actively participated and suggested very useful suggestions.

Krishi Mela

KVK Jamnagar

Krishi Mela organized at KVK, Jamnagar on March 3, 2020 in collaboration with ATMA project & FTC, Jamnagar. In this event, 1259 farmers/farmwomen from Jamnagar district

participated. Dr. K. P. Baraiya, Senior Scientist and Head, KVK, Jamnagar delivered lecture on “Doubling the farmer's income and minimize the cost of cultivation, importance & management of MIS and Organic farming”. Emphasis was given on reduction of chemicals in farming through organic farming.



KVK, Khapat

Krishi Mela & Exhibition was organized by State Agriculture Department & ATMA project of Porbandar district at Sandipani, Porbandar on March 3, 2020. Shri D. N. Modi, Collector, Porbandar and Shri V. K. Advani, DDO, Porbandar remained present.



The vegetable and fruit competition was organized by District Horticulture Department, Porbandar. The lecture on “Recent advances on agriculture” was delivered by Dr. R. K. Odedra; Dr. R. B. Vadher and V. M. Savaliya. Progressive farmers of Porbandar district have also shared their experience and views. Around 1000 farmers and farmwomen participated in this programme.

Training Programme organized at KVK

KVK Jamnagar

Krishi Vigyan Kendra, Jamnagar organized 17 training programmes during this quarter in which, 758 farmers and farm women participated. Among the above training programmes two on campus, four off campus and 11 sponsored training programmes were conducted.

KVK Morbi

A Training “*Mari Masala Bij Ni Mulyavardhan Kheti*” was organized at KVK, Morbi sponsored by Vegetable Research station, JAU, Junagadh. Total 120 farmers participated in this event.



Scientists from Junagadh provided the information on value addition, marketing and to reduce the cost cultivation.

KVK Nana Kandhasar

Krishi Vigyan Kendra, JAU, Nana Kandhasar in collaboration with Animal Husbandry Department, Surendranagar organized a training programme on “Health management in Goat rearing” on February 11, 2020. Scientific knowledge on various aspects of goat farming was delivered in this training.

Pashupalan Shibir

Department of Animal Husbandry, Surendranagar organized a *Pashupalan Shibir* on January 11, 2020 at Mevasa village (Surendranagar District) and Village Kanpur on January 17, 2020. The importance of animal husbandry for livelihood security in Surendranagar district was briefed during inaugural speech by Dr. Bakarali, Veterinary Officer, Chotila, Surendranagar. Dr. R. P. Kalma, Scientist (Livestock Production & Management), KVK, JAU, Nana Kandhasar explained regarding different aspects of management in animal husbandry. A total of 273 dairy farmers & farm women were participated in Shibir.

Alumni Meet

The first *Alumni* Meet was organized by the Sorath Association of Veterinary Alumni Junagadh (SAVAJ) at College of Veterinary Science & Animal Husbandry, JAU, Junagadh on February 23, 2020. Total 170 alumni participated and recalled memories of college time in this meet. On this occasion, Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh was the president of the function whereas Mr. Ramshi Bhetaria, Chairman of SAVAJ Dairy and Dr. Dhaval Gadhavi, DCF, Wildlife Vadodara division were the Chief Guests. Dr. Gadhavi delivered a lecture on “Career development in the field of Veterinary Science and beyond” to the audience. A revised documentary of Veterinary College was released by dignitaries.



Sports/Athletic Meet

Sixteenth Inter College and Polytechnic Sports/Athletic Meet 2019-20 of JAU was organized during February 1-2, 2020. This event was inaugurated by Shri Dhirubhai Gohil, Hon'ble Mayor of Junagadh Municipal Corporation under the chair of Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh. About 300 students participated in this event. College of Agril. Engg. & Tech., JAU, Junagadh won the overall championship of this meet in Men and Women while, Polytechnic in Animal Husbandry, JAU, Junagadh awarded overall championship among all polytechnics of the University.



Gold Plated Silver Medal Sponsorship

Dr. Arvind Kotecha a renowned Veterinarian practicing in Canada Sponsored Memorial Gold Plated Silver Medal for student who obtained highest grade point in the group of subjects i.e. Veterinary Anatomy & Histology, Veterinary Microbiology, Veterinary Parasitology, Veterinary Pathology, Veterinary Pharmacology and Toxicology, Veterinary Public Health, Animal Reproduction Gynaecology & Obstetrics, Veterinary Clinical Medicine, Ethics & Jurisprudence, Veterinary Epidemiology & Preventive Medicine, Veterinary Surgery & Radiology and Animal Biotechnology” in M.V.Sc. degree examination in Veterinary College, JAU, Junagadh.

Pride of the University

ICARAGRI Sports: 2019-20

20th India Inter Agricultural University Sports and Games meet (ICAR AGRI Sports-2019-20) held at Shri Venkateswara Veterinary University, Tirupati (Andhra Pradesh) during March 1-5, 2020. About 2000 students from 60 universities of India participated in various competitions. 39 Students of Junagadh Agricultural University also participated in these competitions.



It is a matter of pride that JAU Table Tennis (Men) Team entered 6th time in final and Secured Gold medal 3rd time (Brijesh Jethva, Kishan Gajera, Shakti Ranjan Das & Mitesh Satasiya), JAU Table Tennis (Women) Team secured consecutive 3rd time Gold medal (Parthiba Rana, Devanshi Hingrajiya, Nita Lakhnotra & Pravina Bamrotiya) in ICAR Sports and One Silver medals in High Jump (Men) (Aplsh Rathod). In other events also JAU team performed well. Since last 8 years, students of JAU securing Medals in ICAR AGRI Sports. JAU family feels proud of JAU teams and congratulate them for their excellent performance at National level Sports & Games.

Best Researcher Award

Best Researcher Award was received by Dr. Pankaj J. Rathod, Assistant Professor, Department of Biochemistry and Biotechnology, JAU, Junagadh for his contribution in research publication and achievements in field of Biochemistry by VDGOD Professional Association at Chennai during 15-16 Feb 2020.



JAU FAMILY WISHES HAPPY AND HEALTHY RETIRED LIFE

No.	Name and designation
January 2020	
1.	Dr. K. L. Dobarra, Professor
2.	Dr. K. S. Murty, Professor
3.	Dr. V. V. Rajani, Professor (P)
4.	Dr. M. S. Solanki, Professor (P)
5.	Prof. D. D. Ghoniya, Associate Professor
6.	Shri D. M. Pethani, Draftsman
7.	Shri P. K. Madhavi, Lab. Assistant
8.	Shri V. D. Anada, Farm Labour
9.	Shri A. S. Sodha, Goval
10.	Shri B. K. Rada, Goval
11.	Shri G. K. Janava, Senior Clerk
12.	Shri K. N. Bundheliya, Junior Clerk
February 2020	
13.	Prof. D. M. Panara, Assistant Professor
14.	Shri I. J. Chauhan, Engine Driver
15.	Shri B. P. Sidhdhapura, Mehcanic
16.	Shri K. H. Khasdar, Pollinator
March 2020	
17.	Dr. J. N. Nariya, Professor
18.	Shri D. P. Dangar, Coachman
19.	Shri H. S. Kelaiya, Senior Clerk
20.	Smt J. V. Garala, Senior Clerk

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To, _____

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