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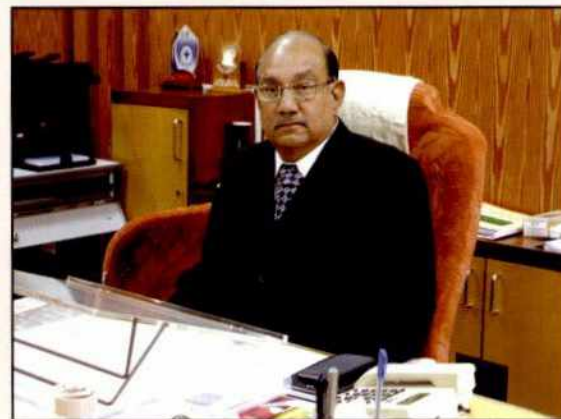
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### Hon'ble Vice Chancellor's Message

Junagadh Agricultural University is extensively engaged in research, education and extension education since its inception. It is important to disseminate information of new technologies to overcome disjunction between research findings and the needs of farmers. The success of the technology is only achieved when it serves a useful purpose for the end user. JAU is trying fullest to bridge the gap between farmers and agricultural research scientists through various products developed by sincere and rigorous efforts of the scientists. It not only provides the useful products to the farmers but also the feedback received from the farmers are helpful for further retirement in technologies.



JAU brands under classes 5 and 31 are granted registration by the brand name of "GIR SAVAJ" and products under classes 1 and 21 are trademarked and in the processes of registration. These products are being produced and provided to farmers at reasonable prices. During last year, University has commercially produced 3300 quintal breeder seed and 5680 quintal truthful/ foundation/ certified seeds of major crops of the region. The products of plant protection of JAU are highly popular among the farming community due to its highly efficient performance and reliability. University has produced 179 tonne Trichoderma and 175 tonne Beauveria. University has also produced micro bio-agents and liquid bio-fertilizers. Trichocard 2382, fruit fly trap 2474, fruit fly lure for fruit/vegetable crops 3300, Pheromone Trap 60679, Pheromone Lure for Pink bollworm 134042 and Pheromone Lure for Heliothis/ Prodenia/ Brinjal shoot and fruit borer 29800 were provided to farmers.

The availability of quality planting material is the key factor for the production. University has produced and distributed about 1.40 lakh planting material of fruit crop graft, saplings, seedlings and ornamentals & medicinal plants. As a part of dissemination of superior genetic material in field through artificial insemination (AI), Cattle Breeding Farm of JAU has produced 29700 semen dozes of proven Gir Bulls and 22365 semen dozes of Jaffrabadi Bulls. Out of produced and semen dozes in stock; 1100 semen dozes of Gir Bulls and 36800 semen dozes of Jaffrabadi Bulls were used for AI in the field, on the farm and sold to AI workers. University has also distributed pedigree tested Gir Bulls (50) and Jaffrabadi Bulls (11) to different Grampanchayat Gaushala, other Institute etc. Fisheries Research Station, Okha produced 129.2 lakh pearl oyster larvae of which 65.36 lakh larvae of pearl oyster were sea ranching to the Gulf of Kachchh to increase the pearl oyster population in Gulf of Kutch, Gujarat. Fisheries Research Station, Sikka has produced 558 liters seaweed liquid fertilizer and 252 seaweed greeting cards, which is useful for Zinc and Iron deficient soil. The services extended to the farmers to JAU and proving these products under one umbrella for facilitating the sustainable and accelerated development of agriculture of the region.

**A. R. Pathak**

## GSIRF UNIVERSITY RANKING

### JAU Secured 6<sup>th</sup> Position in Gujarat

Government of Gujarat Conducted Gujarat State Institutional Rating Framework (GSIRF) for Universities of Gujarat. The result was declared on February 27, 2019 in which JAU Secured 6<sup>th</sup> Position in Gujarat with rating four star out of five.



## TECHNOLOGY AND MACHINERY DEMONSTRATION MELA-2019

College of Agricultural Engineering and Technology, JAU, Junagadh organized a “Technology and Machinery Demonstration Mela-2019” on February 21, 2019 in collaboration with all AICRPs running under CAET and ATMA Project, Government of Gujarat. Shri Subhash Trivedi, Inspector General (Police), Junagadh Range was the inaugurator and Chief Guest of the function. He emphasized on the need of hi-tech and advanced technologies in agriculture to reduce the drudgery and to improve the crop production. Dr. A.R. Pathak, Hon'ble Vice-Chancellor and president of function, elaborated the importance of soil, water, value addition and marketing for betterment of farming community. Dr. V. P. Chovatia, Director of Research, Dr. P. V. Patel, Director of Extension Education and Shri M. M. Kasundra, Deputy Director of Agriculture (Junagadh), representative of GAMMA, Mr. Renish Patel and representative of Tirth Agro (Shaktiman). About 30 stalls of machinery and technology were exhibited in the exhibition. Around 800 farmers, 100 students and 150 scientists / staff participated in the mela.



## CONVENTION OF CAET ALUMNI ASSOCIATION-2019

Sixth Convention of CAET Alumni Association was organized on March 10, 2019 at Junagadh. Hon'ble Vice Chancellor, Dr. A.R. Pathak chaired the function. Dr. N.S. Rathore, DDG (Education), ICAR was the Chief Guest. Dr. K.S. Dasgupta, Director, DAIICT, Dr. Ajit Maru, Rtd. Professor, FAO, Er. Ramesh Khichadia, Managing Director, Captain Polyplast Pvt. Ltd., Rajkot and Er. Ashwin Sadaria, Managing Director, Akash Industries, Ahmedabad remained present as the Guests of Honors. The university officers and Dean, CAET and Patron, CAETAA also graced the function. At the outset of the program, Dr. P.M. Chauhan, President of CAETAA welcomed all the dignitaries and participants. Dr. N.K. Gontia, stated that about 1250 students have completed their graduation as Agricultural Engineers from this college. He also added that many alumni are the owner of private companies and many of them are working very successfully in the private companies. Dr. K.S. Dasgupta also shared his experience and advised Alumni, faculties and students to create a mission plan for CAET. Dr. N.S. Rathore emphasized that Processing and Food Engineering should involve nutrition and horticulture aspects and should be renamed accordingly. He has drawn attention to articulate ICT in Agriculture. Dr. A.R. Pathak, Hon'ble Vice-Chancellor, JAU advised the alumni to serve the end-users. It will create opportunities in new area related to Agriculture. The Directory-2019 of CAET Association was released by the dignitaries. About 200 Alumni participated with family in the convention.



## IDP (NAHEP): THE DREAM PROJECT

### Training Program on Machine Learning

The training program on Machine Learning was conducted by DAIICT, Gandhinagar. A total of 28 students of B. Sc. (Hons.) Agriculture and one faculty from the Department of Agricultural Statistics, College of Agriculture were benefitted through this training program. The participants were given training on advance mathematics and programming language in order to enhance their skills and exposure to robotics and artificial intelligence.

### Training Program on UAV-Drone Design and Development

The training program on Unmanned Aerial Vehicle (UAV) -Drone design and development was organized by Experts Hub, an industry Skill Development Centre at the JSS Academy of Technical Education, Bengaluru, Karnataka during 17-23 January, 2019. Two students, viz., Dharmesh Shingala and Parth B. Trangadia of B.Sc. (Hons.) Agri., College of Agriculture, Junagadh bagged the Runners-up title in the Technical Project Competition on UAV and Drone Design and Development.

### Training Program on Production Technology of Cut Flowers in Greenhouse

The training program on "Production technology of cut flowers in greenhouse" was conducted at Institute of Horticulture Technology, Greater Noida during 12-16 February, 2019. Dr. Kaul, Co-Director of IHT, Greater Noida and Dr. Karan Singh served as the resource person in this training program. The students acquired professional skills related to core concepts of greenhouse, soil properties and various operations under greenhouse management; cut flower cultivation along with their market utilities and various government schemes for greenhouse cultivation.

### Training Program on UAV and Advance Drone

The training program Unmanned Aerial Vehicle (UAV) and Advance Drone was conducted by the Indian Academy of Drones, Mumbai, Maharashtra during 13-17 February, 2019. Three students of B. Sc. (Hons.) Agriculture participated in this training program. They were acquainted with professional skills regarding electrical and aeronautical topics related with the development and operation of drones for various activities. The students were also qualified to receive the Micro Drone Pilot license from the academy.



### Training on Soft-skill and Entrepreneurship/ Interview Skills

The training on Soft-skill and entrepreneurship skills was conducted by the Students' Counselling and Placement Cell, College of Agriculture, Junagadh during 11-14 March, 2019. In the training, 115 students had participated. The students were given training on effective communication; interpersonal skill development, self and time management; problem solving and decision making; computer and business awareness; and team work as well as motivational techniques.

### Training Program on Agricultural Drone

The training program on agricultural drone was conducted by Novatech Robo Pvt. Ltd., Bengaluru during 07-12 March, 2019. Eleven students were benefitted from this training program and acquired skillsets on the application of agricultural drone technology on crop monitoring, spraying and weather forecasting. The training was conducted by Mr. Imtiaz Khan, CEO, Novatech Robo Pvt. Ltd.



### Training Program on Robotics Technology

A training program on Robotics Technology was organized by the Indian Institute of Robotics, New Delhi during 11-15 March, 2019. Five students of B.Sc. (Hons.) Agriculture participated and acquire skillsets on Basics of robotics and artificial intelligence, programming language required for robotics, feasibility of robotics technology in agriculture and impact of robotics technology /automation in cost reducing and yield enhancing aspects of agriculture.

### Festival of Innovation and Entrepreneurship

The Festival of Innovation and Entrepreneurship (FINE)-2019 was organized by National Innovation Foundation (NIF), Gandhinagar, Gujarat during 15-18 March, 2019 with participation of three students of B. Sc. (Hons.) Agri. The program was organized for providing support to grassroots' innovations and outstanding traditional knowledge. Shri. Ramnath Kovind, Hon'ble President of India conferred awards to top ten farm innovators. Students also had opportunity to integrate with indigenous innovators and were benefitted with their traditional knowledge and experiences.

### Training Program on Export and Import of Agricultural Commodities

The Entrepreneurship Skill Development Training Program on Export and Import of Agricultural Commodities was organized by the Department of Agricultural Economics, College of Agriculture, Junagadh during 16-17 March, 2019. In the program,

40 students participated. The technical sessions were handled by expert faculties from Lime Institute of Export-Import Training, Rajkot. It covered a wide range



of topics right from export documentation procedures; skills required for a successful exporter; tips to harness export potential of Indian agriculture; risk management mechanisms in export-imports in agriculture. The field visits were arranged to various export oriented units and institutes around Rajkot and Morbi.

#### **Industrial and Institutional Visits**

Industrial and institutional visits were arranged by the Department of Pathology & Department of Agril. Chemistry & Soil Science, College of Agriculture during 13-15 February, 2019 and 26-27 February, 2019, respectively. A total of 99 students visited Western Seeds, Gandhinagar; Umiya Cold Storage, Chandrala; Department of Microbiology, AAU, Anand and acquired



practical skills regarding production and marketing strategies in the input supply chain. In this short visit, the students also learnt about various production and marketing skills at Dharmaj Crop Care Pvt. Ltd., Ahmedabad; Vikas Seeds, Ahmedabad and GSFC, Vadodara.

#### **Course on Organic and Hydroponic Farming**

Twenty students were selected from B. Sc. (Hons.) Agri. to attend a vocational course on Organic and Hydroponic Farming which was organized by MSME - Technology Development Center (PPDC), Ministry of Micro, Small & Medium Enterprises (Govt. of India) at Surat during 30-31 March, 2019. The objective was to

achieve skill development of agricultural youth in organic and hydroponic farming to create job opportunities particularly in the area of organic / hydroponic production, on-farm resource management, input production and quality control and marketing of organic/hydroponic produce.

#### **Students Training Programs Under NAHEP-IDP**

As per the objectives of NAHEP-IDP, twelve various training program on various modules were conducted



for the UG students by the Director of Students' Welfare JAU, Junagadh. These trainings were conducted on Personality development, Soft skills, Motivational, Language proficiency skills, Entrepreneurship development, Body languages and Leadership, etc.

Total 99 students were benefitted in two training programs organized at College of Agriculture, JAU, Mota Bhandariya (Amreli) and College of Fisheries during 5-6 February and 7-8 February, 2019, respectively.

The training was imparted by Smt. Gayatri Jani, Professional Trainer and Public Speaker on personality development, body language, presentation skills and how to face interview. In which 92 students were benefitted during 15-16 and 18-19 February, 2019, respectively.

Five training programs were arranged by NXG Ventures, Ahmedabad. A resource person Mr. Swarup Pandya focused on Entrepreneurship and group activities for developing thoughts of creativity. Five workshops were arranged by this group for different Colleges of JAU viz., College of Agriculture, Horticulture, Agril. Engg. & Tech., Fisheries Science and Veterinary Science wherein about 225 students participated. The participants gave feedback regarding various trainings to University authority for conducting very useful training programs for the allover development of the students.

#### **INAUGURATION OF GIRL'S HOSTEL**

Inauguration of "Saraswati" Girls hostel at College of Agriculture, Mota Bhandariya (Amreli) was organized on March 06, 2019. Hon'ble MP, Amreli Mr. Narayanbhai Kachhadiya, Hon'ble Vice Chancellor, Dr. A.R. Pathak, Dr. V. P. Chovatia, Director of Research and Principal and Dean were remained present in this function.



Inauguration of "Saraswati" Girls hostel at College of Agriculture, Mota Bhandariya (Amreli)

### FELICITATION TO PADMASHRI AWARDEE

Shri Vallabhbhai V. Marvaniya, a farmer of Khamdhrol village of Junagadh district received prestigious Padmashri award from Government of India for his outstanding work in Agriculture for carrot variety. A felicitation program was arranged by JAU on March 29, 2019. This program was presided over by Dr. A.R. Pathak, Hon'ble Vice Chancellor and University Officers and faculties of JAU graced the function. The family members of Shri Vallabhbhai were also remained present.



### ZREAC MEETING

Zonal Research and Extension Advisory Committee (ZREAC) for South Saurashtra & North Saurashtra Agro-climatic zones met during January. Results of the projects as well as suggestions for new technical programs for future research work were discussed. The 15<sup>th</sup> ZREAC (*kharif*) meeting of South Saurashtra Agro-climatic Zone held at JAU, Junagadh during January 17-18, 2019 finalized release proposal of four varieties *i.e.* groundnut, uradbean, ridge gourd and cotton and 25 recommendations for the farmers, 15 recommendations for scientific community and 54 new technical programs.



Similarly, the 15<sup>th</sup> ZREAC (*kharif*) meeting of North Saurashtra Agro-climatic Zone was held at Targhadia, JAU on January 28, 2019 and finalized release proposal of two varieties of pearl millet as well as seven recommendations for the farmers and 20 new technical programs.

### AGRESKO SUB-COMMITTEE MEETING

Fifteenth Agricultural Research Sub Committees (AGRESKO) meetings of different disciplines were held during February and March, 2019. Seven crop varieties, 54 recommendations for farming community, 33 recommendations for scientific community and 136 new technical programs were approved for the year 2018-19. Results of 495 ongoing research programs were also discussed.

Sub Committee	No. of Recommendations		New Tech. Programs	Ongoing Res. Projects
	Farmers	Scientific		
Crop Improvement	1+7*	-	6	-
Crop Production	14	9	32	32
Plant Protection	18	7	31	321
Horticulture & Agro Forestry	8	-	7	20
Agricultural Engineering	6	4	19	27
Animal Science	4	6	14	11
Fisheries Science	1	3	3	22
Basic Science	2	1	3	41
Social Science	-	3	21	21
<b>Total</b>	<b>54+7*</b>	<b>33</b>	<b>136</b>	<b>495</b>

\*No. of variety released

### JOINT AGRESKO Meeting

Joint Agricultural Research Sub Committee meeting was held to finalized agro production technologies of different groups. The 15<sup>th</sup> Joint AGRESKO meeting of JAU was held on March 20, 2019 under the Chairmanship of Dr. A.R. Pathak, Hon'ble Vice Chancellor.



All conveners of various committees presented their reports during the meeting. Total seven new crop varieties *i.e.* one each of groundnut, cotton, sesame, uradbean, ridge gourd and two varieties of pearl millet were approved. Total 52 recommendations for farmers, 31 recommendations for scientific community and 135 new technical programs were approved in the meeting.

## SCIENTIFIC ADVISORY COMMITTEE (SAC) MEETING

In order to review the progress of KVK for the year 2018-19 and effective action plan for year 2019-20 Scientific Advisory Committee meetings were arranged under the chairmanship of Dr. A. R. Pathak, Hon'ble Vice Chancellor in the presence of Director of Research and Director of Extension Education and farmer's representatives at six KVKs viz., Targhadiya, Morbi, Pipaliya, Porbandar, Jamnagar and Amreli during March, 2019. During the meetings, committee members critically reviewed the activities carried out by KVKs and emphasized on the need for amicably solving the problems faced by the farmers. Farmer members of SAC also remained present.



## CELEBRATION OF REPUBLIC DAY

Junagadh Agriculture University enthusiastically celebrated 70<sup>th</sup> Republic Day on 26<sup>th</sup> January, 2019 under the chairmanship of Dr. A. R. Pathak with befitting manner. In this celebration 1,200 students, staff and labours had participated.



As a part of this celebration, felicitation was extended to students of JAU who secured the Gold Medal in Table Tennis (girls), Shri Jaimin Patel, student of College of Agriculture in Long Jump and Silver Medal in Table Tennis team. This honor was extended for their achievement in the 18th All India Agri Sports. Beside this, 130 class-IV cadre viz., labours, peon and lab. boys

were also felicitated with the *Shawl*. To make this occasion memorable, well known singer Shri Rajubhai Bhatt and his team sang patriotic songs. Dr. A. R. Pathak, Hon'ble Vice Chancellor extended his best wishes and inspired to students/ staff to work hard for the development of the University.

70<sup>th</sup> Republic Day was also celebrated at College of Agriculture, Khapat, Porbandar with great zeal and patriotism. The celebration began with the hosting of the Tri Color by the Principal which was followed by the singing of the National Anthem. The synchronized movements of the students in drill presentation intensified the grandeur and solemnity of the occasion.

## TRIBUTES TO PULWAMA MARTYRS

As a part of tribute paid to Pulwama CRPF martyred, all the faculty members, staff and students at JAU, Junagadh paid tribute in the form of candle-light march past from Campus Auditorium to Motibaug gate to the CRPF personnel who were martyred in a terrorist attack in Pulwama. The tribute program was arranged under and guidance of Dr. A.R. Pathak, Hon'ble Vice Chancellor, all university officers, staff members and student union of all faculties.



Likewise, students and faculty members of COA-Khapat-Porbandar on 19 February 2019 paid tribute and paid their respect to Braveheart's with candle-light marches in memory of martyrs, the bereaved families are left with a huge void.

Polytechnic in Agriculture, JAU, Dhari also gave a tearful tribute to the martyrs with a two-minute silence for peace to the departed souls.



## CELEBRATION OF INTERNATIONAL WOMEN DAY

### College of Veterinary Science & Animal Husbandry

College of Veterinary Science & A.H., Junagadh celebrated International Women's Day on the theme 'Balance for Better' under the aegis of Gender Champion Club (Joint initiative of the Ministry of Women and Child Development and Ministry of Human Resource Development) on March 08, 2019. Dr. Vaibhavi Sanghvi, Veterinary Doctor, Wild Life Care Center, Ahmedabad and Miss. Kirti Rajgor, Wild Life Rescuer, Junagadh shared their experiences during the function. Dr. Joice P. Joseph, Nodal Teacher, Gender Champion Club was also present.

### KVK, Targhadia

On March 08, 2019 "International Women Day" was celebrated at Adbalka village of Rajkot. Forty two farm women participated in this program. Training and group discussion was organized on their role in agriculture as well as on Kitchen Garden, Women and child health, Women improvement, Value addition of different fruit crops etc. was given.



## CELEBRATION OF NATIONAL DEWORMING DAY

National Deworming Day was celebrated on February 08, 2019 at Polytechnic in Agriculture, JAU Dhari. On this day, PHC of Dalkhaniya provided the Deworm tablets to the students. The event was started with lecture on how to reduce the cases of worm infections through good habit (hygienic) practices and deworming tablets. This celebration was successfully completed with the presence of Dr. M.V. Ramdevputra (Principal, Polytechnic in Agri., Dhari), Shri M.C. Chauhan (Program Officer), Prof. Trupti Dodiya, Shri N.P. Rathod and Shri R.M. Sarvaiya. Around 56 students actively participated in this celebration.

## WORLD WATER DAY CELEBRATION

The 26<sup>th</sup> World Water Day was jointly organized by AICRP on Irrigation Water Management and CAET Alumni Association at CAET, JAU, Junagadh on 22<sup>nd</sup> March, 2019 on the theme of "Leaving No One Behind". Dr. N.K. Gontia, Principal & Dean, CAET,

JAU, Junagadh presided over the program. Total seventy UG/PG students along with CAET faculties actively participated in the program. Dr. Rank, gave the details on the themes, hosting organizations of UNO and awareness activities done all over the world during last 25 world water day. Dr. N.K. Gontia has pointed out the various ways to conserve the limited water in domestic, agriculture and other public places. Total four groups of the PG students participated in the quiz competition and six students in speech competitions. The first three ranked in each competition were awarded.

## SWACHHATA ABHIYAN

*Swachhata Abhiyan* program was carried out by the students of College of Agriculture, Mota Bhandariya on January 26, 2019. More than 100 students participated in this program and cleaned different places like hostel, temple and public places at Mota Bhandariya.

## AWARNESS OF SWINE FLU

Three days awareness program was conducted by Ayurvedic Hospital, Halvad in Polytechnic in Agriculture, JAU, Halvad. Doctor gave information regarding swine flu, their symptoms and explained importance of Ayurvedic medicine/Ukado and gave tips and home remedies to the people to prevent themselves from swine flu.

## VETERINARY CLINICAL CAMP

A special Veterinary Clinical Camp was organized by Shree Bhanvad Mahajan Panjarapol Gaushala, Bhanvad in collaboration with College of Veterinary Science & Animal Husbandry, JAU, Junagadh and Animal Husbandry Department, Devbhoomi Dwaraka district on February 01, 2019 at Bhanvad, which was sponsored by *Saurashtra Prani Kalyan* Trust. Faculty members of college along with postgraduate students from clinical departments and internee students of NAU and SDAU actively participated. During the camp, 125 animals were treated for different medical, surgical and gynecological ailments. In the camp different clinical cases were treated such as 89 Medicines, 13 Gynaecology, 23 Surgery. Additionally, 25340 animals were dewormed with anthelmintic.

## FARMER'S RELATED ACTIVITIES

Hon'ble Prime Minister launched *Pradhan Mantri Kisan Sanman Nidhi Yojana* on February 24, 2019. Under this scheme small & marginal farmers possessing agriculture land up to 2.0 ha will receive financial assistance of ₹ 6,000/- per annum. To create awareness



among the farmers JAU arranged a live telecast program in the Conference Hall of College of Agriculture, Junagadh, wherein large number of farmers remained present.

### **KVK, Jamnagar**

Similarly, KVK, Jamnagar also organized the program at MP Shah Medical College Auditorium Hall, Jamnagar where in MP of Jamnagar, Collector Jamnagar, other district authority and technical staff remained present in the program. Sushri Punamben Madam inaugurated the



program by lightening the lamp and preciously guided all the participants. About 230 farmers attended the program. Prime Minister's "Mann Ki Baat" was then telecasted in front of the gathering. Consequently, speech of Hon'ble Minister of Agriculture and Farmers Welfare was telecasted.

### **KVK, Khapat (Porbandar)**



KVK, Khapat also organized live web cast of inauguration function at APMC-Porbandar. Hon. MLA, Shri Babubhai Bokhriya and other dignitaries remained present during this event. 350 farmers, farm women and rural youth attended the event.

### **KVK, Targhadia (Rajkot)**

KVK, Targhadia organized Telecasting/Webcasting of inauguration of PM *Kisan Samman Nidhi* Scheme. A total of 160 Farmers and all officers of JAU, GSFC, and department participated in the program.

## **KRISHI MELA / SHIBIR / PARISAMVAAD**

### **KVK, Jamnagar**

*Krishi Mela* was organized at KVK, Jamnagar on February 12, 2019 in collaboration with ATMA project & FTC, Jamnagar. In this program, 1130 farmers/farm



women from Jamnagar district participated. KVK scientists explained how to double the farmer's income and minimize the cost of cultivation, importance & management of MIS and Organic farming.

### **KVK, Porbandar**



KVK, Porbandar organized on January 11, 2019 at KVK, Porbandar in association with ATMA, Porbandar and Department of Agriculture, Porbandar. Collector, Porbandar and other district authority remained present on this occasion. An exhibition was organized on this occasion. Moreover, vegetable & fruit competition was also organized by Department of Horticulture. Scientists of KVK gave guidance on various aspects of agriculture viz., recent trends, organic farming etc. Winners of vegetables and fruit competition were awarded by certificate. A total of 1450 farmers as well as farm women participated.

### **KVK, Nana Kandhasar**



KVK scientists attended '*Kisan Mela*' organized by Bharat Petroleum at Shapar village of Surendranagar district on February 07, 2019. Scientists of KVK, Nana Kandhasar highlighted the significant role played by Krishi Vigyan Kendra in disseminating technologies for



improving the livelihoods of the farmers as well as conservation of natural resources, use of modern farming, improved technologies and government policies towards achieving the vision of doubling farmer's income by 2022. More than 300 farmers from various part of Surendranagar districts participated in the *Kisan Mela*.

Krishi Vigyan Kendra, Nana Kandhasar in collaboration with Farmers Training Centre, Surendranagar organized *KrishiMela* on February 13, 2019 at Krishi Vigyan Kendra, Nana Kandhasar.

Shri S.K. Joshi, Joint Director of Agriculture (Extension), Surendranagar inaugurated the function. KVK scientists informed the farmers about modern techniques to be adopted in agriculture and kitchen gardening. Officers from department of agriculture briefed different schemes in vogue in agriculture sector and different incentives available under these schemes. The modern machinery, latest equipment and implements, high quality hybrid seeds, improved varieties of fruits and vegetables were exhibited in the stalls. About 1300 farmers from various parts of the Surendranagar district participated in the Krishimela.



Department of Animal Husbandry, Surendranagar organized a Pashupalan Shibir on February 27, 2019 at Bhimgadh village of Chotila Taluka. The importance of animal husbandry for livelihood security in Surendranagar district was briefed during inaugural speech by experts and discussed in detail regarding different aspects of management in animal husbandry. A total of 127 dairy farmers & farm women participated in the Shibir.



One day seminar on "*Krushi Pravas*" was arranged by JAU in collaboration with GNFC on January 08, 2019. Dr. A.R. Pathak, Hon'ble Vice Chancellor inaugurated the seminar in the presence of Dr. P.V. Patel, DEE along with GNFC officers. This seminar was attended by 90 farmers.

## TRAINING / SEMINAR/WORKSHOP

### Training on Integrated Nutrient Management for Fertilizers Dealers



Fifteen day Certificate Course on "Integrated Nutrient Management for Fertilizers Dealers" of Saurashtra was organized by Dr. P. V. Patel, Director of Extension Education in association with Department of Soil Science & Agricultural Chemistry during February 26 to March 14, 2019. In all, 38 participants were enrolled in the program. The valedictory function was organized under the Chairmanship of Dr. A.R. Pathak, Hon'ble Vice Chancellor, JAU, Junagadh. During this program certificates were awarded to the trainees by the dignitaries.

Besides, DEE, JAU, Junagadh also arranged 15 training programs for benefits of farmers on various subjects viz., Modern Agriculture Practices for Organic Farming, Green house/Net house, *Mahila Kaushalya* under Center of Communication, Soil Health Management, Horticulture, Animal Husbandry and Bakery. Trainings were imparted by the expert scientists of various departments of JAU. With these training programs 664 farmers were benefitted.

### Bakery Training and Demonstration Program

Fifteen weeks Bakery training program was arranged during November 26, 2018 to March 10, 2019. Total 14 Bakery training cum demonstration programs Off campus and On campus were arranged and 888 people of different villages were benefitted.

### Ginners and Agro-Input Dealers Seminar

Cotton ginners and Agro-Input dealers seminar was organized by Cotton Research Station, Junagadh on February 16, 2019. It was inaugurated by Hon'ble Vice Chancellor, Dr. A.R. Pathak and Shri Jerambhai

Timbadiya, Agro Input Dealers Association, Junagadh as guest of honor along with university officers and faculty members remained present. The discussion focused on dissemination of Pink Bollworm Management Strategies in cotton. The booklet on "Insect Pest of Cotton" was released and distributed to participants. In this program, 15 Ginners, 35 Agro Input Dealers and 50 farmers of Junagadh district participated.



### **Skill Development Training on Organic Farming**

Krishi Vigyan Kendra, Jamnagar conducted Skill Training on "Organic Grower" for 200 hours course syllabus. The training was arranged during February 16 to March 26, 2019 as per guide line of Agriculture Skill Council of India (ASCI). The training to twenty "Organic Grower" were given on how to initiate organic farming, registration and certification with GOPCA and marketing, group approach for marketing.

### **Training on Quality Seed Growers**

Another Agriculture Skill Council of India (ASCI) skill training of 200 hrs was organized on "Quality Seed Growers" by KVK, Jamnagar during February 16 to March 26, 2019. Farmers were advised on certified seed production of important crops.



Krishi Vigyan Kendra, Nana Kandhasar also organized "Quality Seed Growers" (ASCI) during 01-25 March, 2019. The training program was attended by 20 farm women from Sayla taluka of Surendranagar.

### **Water Management Awareness Program**

Water Management Awareness Program was jointly organized by Centre of Excellence on Soil & Water Management, JAU, Junagadh and Sorath Sales, Sukhpur on February 19, 2019 at Baliyavad. About 45 progressive farmers participated in the training

program. Experts of university highlighted emerging groundwater issues and their remedies, rainfall-runoff relations, agriculture and rural water management strategies under changing climate, surface and subsurface water management interventions, adoption of drip and mulching technologies for efficient utilization of irrigation water. The technologies developed by JAU were explained for efficient water management.

### **Training for Organic Grower**



Twenty five days skill development training program for 'Organic Grower' under Agriculture Skill Council of India was organized during 01-25 March, 2019 at KVK, Nana Kandhasar. 20 women trainers attended and scientists of KVK encouraged them for entrepreneurship development in organic farming. They also explained about marketing of the organic products and such training are helpful to create employment and income opportunities in the rural areas. Trainers were also guided on the preparation of *Panchgavy*, *Bijamrut*, *Jivamrut* and its applications on crop.

### **Training on Healthy Shrimp and GIFT Tilapia Culture Using Biofloc Technology**

Training on "Healthy Shrimp and GIFT Tilapia Culture Using Biofloc Technology" was organized at Agricultural Research Station (F.C), Plantation Farm, JAU., Mahuva on 14-16 February, 2019. Training was inaugurated and chaired by (Dr) Prof. S. Felix



(Vice Chancellor), TNJFU, Tamilnadu in the presence of Dr. A.Y. Desai, Principal and Dean, College of Fisheries, JAU, Veraval and other faculty members.

## PRIDE OF UNIVERSITY

### Bharat Shiksha Ratan Award



Dr. P.V. Patel, Director of Extension Education, JAU, Junagadh received National award “*Bharat Shiksha Ratan Award*” from Economic Growth Foundation, New Delhi for his outstanding achievements and remarkable role in the field of Education.

### Best Citizen of India Gold Medal Award



Dr. P. V. Patel, Director of Extension Education received “*Best Citizen of India Gold Medal Award*” by Global Economic Progress Research Association (GEPR), New Delhi for enormous contributions in the field of humanitarian and youth development.

### Felicitation

Dr. P. V. Patel, Director of Extension Education was felicitated by Padmashri Bhikhudanbhai Gadhavi and Shri L.T. Rajani, Chairman, Junagadh District Cooperative Bank, Ltd. for his dedicated contributions in Social and Farmer's welfare.



### Best Oral Presentation Award

Dr. Girish V. Prajapati, Associate Professor, RTTC, JAU, Junagadh received “*Best Oral Presentation Award*” for his research paper presentation in 28<sup>th</sup> National Conference organized by Soil Conservation Society of India, Indian Institute of Soil and Water Conservation, Regional Centre, Udthagamandalam, Tamilnadu during 31<sup>st</sup> January to 2<sup>nd</sup> February, 2019.

### JanabMohammed Ismail Siddique Award

Dr. T.K. Patbandha, Assistant Professor (LPM), Polytechnic in Animal Husbandry, received 'Janab Mohammed Ismail Siddique Award' for his research paper during XXVI Annual Convention of the Indian Society of Animal Production & Management held at College of Veterinary Science & Animal Husbandry, Mannuthy, Thrissur, Kerala.

## STUDENTS BAGGED MEDALS IN SPORTS

### 19<sup>th</sup> ICARAGRI-UNISPORTS

19<sup>th</sup> ICAR-All India Inter Agricultural University Sports and Games Meet 2018-19 was organized by Punjab Agricultural University, Ludhiana (Punjab) during January 02-05, 2019. Forty Four students of JAU participated with team managers. JAU students won three Medals (Two Gold and One Silver). Shri Jaimin D. Patel won Gold Medal in Long Jump and Table Tennis Girls team won Gold Medal and Table Tennis Boys team won Silver Medal and gave glory to University.



### 19<sup>th</sup> ICARAGRI-UNIFEST

19<sup>th</sup> ICAR-All India Inter Agricultural Youth Festival-2018-19 was organized at Sardar Krushinagar Dantiwada Agricultural University, Sardar Krushinagar (Gujarat) during February 03-07, 2019. Total Twenty five students participated in Folk Dance, One Act Play, Mime and Fine Arts.



## SAUs TOURNAMENT

Gujarat State Inter Agricultural University Cricket, Chess and Basketball tournaments were held at Anand Agricultural University, Anand during March 07-08, 2019. Total Thirty students from various colleges of JAU participated in tournaments. Basketball Team of JAU won Champion title in this tournament.

## PARIKSHA PE CHARCHA

On the occasion of *Pariksha Pe Charcha*, the live broadcast program was presented at College of Agriculture, Khapat, Porbandar on January 29, 2019. On this occasion Hon'ble Prime Minister Shri Narendra Modi interacted with several students from across the country and shared his personal experiences with the young audience.

## NSS CAMP

Seven days special NSS camp was organized during 19<sup>th</sup> to 25<sup>th</sup> March, 2019 at Nature Centre of Forest, Khadia, Junagadh. Director of Students' Welfare visited the camp on 22<sup>nd</sup> March, 2019 and addressed the participants. About 86 volunteer students of the College of Agril. Engg. & Technology participated where they have performed NSS activities and acquire knowledge regarding natural resources conservation.

## District Youth Parliament

The District Youth Parliament Mahotsav was launched by the Hon'ble Prime Minister' and the same was Co-ordinated by the Ministry of Youth Affairs & Sports, Govt. of India, New Delhi in entire India. The objective of this youth parliament is to make the youth realize and mentally accept that they are the representative of respective society, districts and state. For this event, JAU organized primary screening program of participants during January 18-19, 2019 by forming University level evaluation committee and selected the students for main program.

## THALASSEMIA CAMP

Thalassemia screening test for newly admitted students of all faculties was arranged by JAU in association with Indian Red Cross Society, Ahmedabad during January 29-31, 2019. In the camp 607 blood samples were collected by the technicians of Indian Red Cross Society, Ahmedabad. Dr. P.V. Patel, Director Extension Education inaugurated program under the Chairmanship of Dr. V. P. Chovatia, Director of Research, JAU, Junagadh.

## Response of our foreign students about the University

More than twelve foreign students have completed either under-graduation/post-graduation from Junagadh Agricultural University (JAU) during the last decade and spread the fragrance of quality education imparted

by JAU at the globe. Mr. Ashish Kumar Singh- pursuing M.Sc. (Agri) with specialization in Agronomy- was interviewed by a reporter from reputed Gujarati newspaper 'Sandesh'. He spoke that JAU is indifferent in the style of imparting the education. He told that the university is having a team of devotee professors that always used to keep busy the students with field trails, assignments, presentations and seminars to develop an ardent environment to work hard. When reporter asked him to tell about the difference between Nepal and Gujarat, Mr. Singh told that in Nepal he observed ever interruptions in the study due to heavy cold, rain and snow while the Gujarat is having the pleasant environment.

## Qualifiers in National Competitive Exams

### ASRB-ICAR NET

#### College of Agriculture, JAU Junagadh

No.	Name of Student	Disciplines
1	Padhiyar Shitalben M.	Plant Molecular
2	Ribadiya Truptiben R.	Soil Sciences
3	Vadaliya Bhumiika M.	Soil Sciences
4	Hirpara Dharmik V.	Soil Sciences
5	Nukum Sanjaybhai D.	Soil Sciences
6	Ghetiya Krupaben P.	Agronomy
7	Vaghasiya Dhimant R.	Agril. Meteorology
8	Movaliya Hardik	Genetics and Pl. Br.

#### College of Agril. Engg. & Tech., JAU Junagadh

1	Karangiya Bhavisha	M. Tech (Agril. Engg.)
2	Sindhal Vina	
3	Patel Ulpa	
4	Deepak Kumar	

### GATE-2019

#### College of Agril. Engg. & Tech., JAU Junagadh

1	Rajesh Yadav	B. Tech (Agril. Engg.)
2	Sojitra Rahul	
3	Korat Ankit	
4	Ramani Nikunj	
5	Joshi Meet	
6	Harsh Kumar	

### Book Post

To, \_\_\_\_\_

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From :  
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J.A.U. Junagadh 362 001. (Gujarat)  
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