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**Hon'ble Vice Chancellor's Message****Pearl Millet a Nutricereal Smart Food**

Wishing all a very happy, healthy and prosperous New Year 2022 !

Pearl millet [*Pennisetum glaucum* (L.) R. Br.] is the most widely grown staple food of majority of poor and small land holders in Asia and Africa. It is also consumed as feed and fodder for livestock. It accounts for almost half of global millet production. The major pearl millet growing states are Rajasthan, Maharashtra, Uttar Pradesh, Gujarat and Haryana contributing 90% of total national production. It is critically important for food and nutritional security as it possesses several advantages such as early maturing, drought tolerance, require minimal purchase of inputs and mostly free from biotic and abiotic stresses.

Due to the excellent nutritional properties and resilience to climate change, pearl millet along with other millets is renamed as nutricereals (Gazette of India, No. 133 dt 13 April, 2018) for production, consumption, trade and was included in public distribution system. To bring millets into mainstream for exploiting the nutritional rich properties and promoting their cultivation, Govt. of India declared Year 2018 as the "Year of Millets" and by request of India; the FAO of the United Nations Organization has declared the year 2023 as "International Year of Millets".

The work of pearl millet improvement was started in 1962 in third five-year plan. In 1963, Jamnagar got assistance from The Rockefeller Foundation by way of Germplasm male sterile American Bajri. This was the real beginning of the improvement of Bajra work not only in Gujarat state but also in India and this is a turning point in the history of pearl millet improvement in India. The journey of development of hybrid variety and other pearl millet technology started with development of First hybrid HB 2 in 1965 immediately followed by HB 3 and since then earstwhile GAU and JAU has developed total 26 hybrids suitable under varied agro-climatic condition of India. Genetic biofortification is a way of enhancing nutrition in staple crops in the modern period, and improved food processing and markets will be the backbone of future nutritional security. Hence, breeding of micronutrient-rich pearl millet varieties and their utilization would fulfill the recommended dietary allowance of Fe and Zn and would encourage producing biofortified pearl millet lines. Looking to this, JAU carried out pioneering work for the development of micronutrients dense pearl millet hybrids and is recommended for cultivation, the states first biofortified pearl millet hybrids GHB 1129 and GHB 1225 which were identified in the year 2018 among the all field, horticulture and vegetable crops in SAUs of Gujarat.

Further, one more feather in the JAU crown added by carrying out pioneer work in the field of marker assisted breeding by Pearl Millet Research Station, Jamnagar in collaboration with ICRISAT, Hyderabad by developing the state's first pearl millet hybrid GHB 538 improved (MaruSona) by using modern biotech tool MAS which is first across the different crops among all SAUs of Gujarat. In this hybrid, we have introduced the downey mildew diseases resistance genes in one of the parental line of our earlier released pearl millet hybrid GHB 538. Pearl millet is a Nutricereal smart food, Let's join smart food campaign because smart food is good for us, for the planet and also for the farmers.



(Narendra Kumar Gontia)

## Agri Gujarat Expo-2021

The Agri Gujarat Expo-2021 was jointly organized by Junagadh Agricultural University, Junagadh and Spark Media Inc., Ahmedabad from November 19 to 21, 2021 at JAU, Junagadh. The agricultural exhibition was organized under Agri Gujarat Expo-2021 spread across 2500 sq. m. The technologies were exhibited in 70 stalls of different agriculture and allied companies, 13 stalls of different departments of JAU, Junagadh and 04 stalls of natural farming.



The Seminar on the use of modern technology in agriculture was organized on November 20, 2021. The JAU scientists delivered lectures on new dimensions of modern technology in agriculture; mango export oriented farming method, scientific animal husbandry business to earn more income, skill development, startup, FPO, agro tourism and use of artificial intelligence in pest control.

During the Agri Gujarat Expo-2021, about 12000 farmers and farm women from more than 325 villages of Saurashtra region enthusiastically participated and got cutting-edge information on agriculture, agricultural engineering and allied subjects. Approximately, 2000 students of various schools and colleges, scientists and local resident from the city participated in the event.



A poster presentation was also organized on the theme of agriculture and allied subjects by the students of various colleges of JAU on November 19,

2021. Apart from this, a seminar for sharing the success stories of farmers was also organized in which nine farmers had delivered their talk on innovative approaches adopted by them to make their farming successful.



## Inauguration of Building of ASPEE College of Agriculture, JAU, Khapat (Porbandar)

The virtual Inauguration of Building of ASPEE College of Agriculture, JAU, Khapat (Porbandar) was done by Hon'ble Governor Shri Acharya Devvrat ji in auspicious presence of Shri Parshottam Rupala, Hon'ble Minister of Fisheries, Animal Husbandry and Dairying, Govt. of India and Shri Raghavjibhai Patel, Hon'ble Minister, Agriculture, Animal Husbandry, Cow-Breeding, Government of Gujarat during three days Pre-Vibrant Gujarat Summit organized by Government of Gujarat at the Anand on December 14-16, 2021. The newly constructed building is having amenities like 12 Laboratories, 4 Classrooms, 1 Digital Classroom, Library, Auditorium, Museum etc. to provide student friendly atmosphere for learning.



## Visit of Hon'ble Minister of Agriculture, GoG

Shri Raghavjibhai Patel, Hon'ble Minister, Agriculture, Animal Husbandry, Cow-Breeding, Government of Gujarat and Member of Parliament Shri Narayanbhai Kachhadiya visited KVK, Amreli and appreciated the efforts made by KVK for upliftment of the farmers of the Amreli district.



## International Trainings under NAHEP-IDP

The IDP Cell, College of Agriculture and Horticulture, JAU, Junagadh and Amreli sent their students for the International Trainings in various renowned institutes under NAHEP-IDP. Four students namely Mr. Deep K. Suvagiya, Mr. Hitenkumar B Gohil., Mr. Jatin Soni and Mr. Deep S. Galani were selected and went for International

training at International Center for Biosaline Agriculture (ICBA), Dubai for a three-month during December 01, 2021 to February 28, 2022. One Student Ms Sheetal was selected and went for International training at the Hebrew University of Jerusalem, Israel during December 27, 2021 to March 24, 2022. Five students Namely Ms Shruti Jha, Ms Nengngaikim Lhouvum, Ms Hetal S. Detroja, Ms. Disha B. Bheda and Mr Prince Dangariya were selected for Asian Institute of Technology, Thailand for three-month training during January 08, 2022 to 08 April 2022. Altogether, 15 undergraduate students were selected for the international training.



### Vocational Trainings under NAHEP-IDP

#### Series of Vocational Trainings by CAET

College of Agricultural Engineering and Technology (CAET), JAU, Junagadh organized Five Days Vocational Training Series during October 04-08, 2021 under the aegis NAHEP-IDP. The inaugural function was presided over by Dr. R. M. Chauhan, Hon'ble Vice Chancellor, JAU in the virtual presence of the renowned distinguished dignitaries as Guest of Honour Dr. N. S. Rathore, Hon'ble Vice Chancellor, MPAUT, Udaipur; Dr. C. R. Mehta, Director, ICAR-CIAE, Bhopal and Dr. P. C. Bargale, Head of Technology Transfer Division, ICAR-CIAE, Bhopal. Dr. P. M. Chauhan, Director of Research and Dean PG Studies & PI (IDP); Dr. N. K. Gontia, Principal and Dean & Co-PI (IDP), CAET along with University Officers, Head of different departments of JAU, faculty members and students. Total 283 B. Tech. (Agril. Engg.) students participated and benefited through vocational training programmes.



#### Training on IoT in Agriculture

The Training on IoT in Agriculture was imparted by Er. Pratik Parmar, Founder and CEO; Vatsal Jethva, COO; Ankit Pitroda, CTO and Vishal Barot, Technical Assistant, CREAR Electronics Pvt. Ltd., Ahmedabad. Total 91 students of 3<sup>rd</sup> semester B. Tech. (Agril. Engg.) participated in this training. In the programme, thirty-five practical classes were

conducted in offline mode. The students prepared twelve agriculture based projects using the acquired knowledge of IoT (Internet of Things) which was well praised by the officials in the valedictory function held on October 08, 2021.



#### Training on Food Processing Technologies for Entrepreneurship Development

During the training, 17 eminent experts delivered their lecture in hybrid (Online and Offline) mode in fifteen sessions on different topics like solar drying, interventions in solar energy for agro-entrepreneurship, application of small scale solar technologies, utilization of solar energy for sustainable agriculture, installation and maintenance of SPV systems, solar energy policies of Gujarat state, solar energy technologies for rural areas, solar energy resource and applications, India's transformation through solar energy, agrivoltaic system: The novel approach of improving land productivity, solar wind hybrid system for power generation, application of AI in optimal utilization of solar energy etc. Total 99 students of 7<sup>th</sup> semester, B. Tech (Agril. Engg.) participated and enriched with encouragement, inspiration and technical knowledge.



#### Solar Energy Technologies for Sustainable Agriculture and Rural Development

In the training, twenty expert sessions were conducted in hybrid mode (Online/Offline). The training was focused on food processing technologies for entrepreneurship development. Specialized modules were designed to cover recent trends and advances in food processing, global food business, food manufacturing, food preservation and storage, preparation of different value added products, machineries for food processing, cold chain and supply chain management, etc. In addition, the training covered special component of managerial skill workshops, enabling capacity building, leadership development and



assertive trainings, which enhance the skills of the prospective entrepreneurs in Food processing for UG students. Total 94 students of 5<sup>th</sup> semester B. Tech. (Agril. Engg.) participated and benefitted by the vocational training.

### Vocational Trainings by CoA, Junagadh

Five Days Vocational Training on “Commercial Plant Tissue Culture as Business Entrepreneurship” was organized by IDP Cell, College of Agriculture, JAU, Junagadh during October 26-30, 2021 under NAHEP-IDP. Commercial Plant Tissue culture is the propagation of plants wherein a part/tissue of the plant ID placed in nutrient media that favors the production of shoots, roots, following which they are hardened and transferred to soil. The commercial production of plants used as potting, landscape, and florist subjects, which uses meristem and shoot culture to produce large numbers of identical individuals. To cross distantly related species by protoplast fusion and regeneration of the novel hybrid. Large-scale production of artificial seeds through somatic embryogenesis. Fifty UG students participated and benefited by the training.



The IDP Cell, College of Agriculture, JAU, Junagadh organized online training programme on "Application of Microsoft Excel and Basic Programmes for Descriptive Statistics, Data Analysis and Data Visualization in Agriculture" during October 26-30, 2021 under NAHEP-IDP. Hundred UG students participated in this training and learnt advanced microsoft excel which is a tool that can quickly provide an abundance of insight.



### Pre-Vibrant Gujarat Summit 2021: AGRO and FOOD PROCESSING

The students and faculty members of Junagadh Agricultural University participated in Pre-Vibrant Gujarat Summit 2021: AGRO and FOOD PROCESSING entering in a new era of Co-operation organized by Government of Gujarat at Anand Agricultural University Campus, Anand during December 14-16, 2021. The technologies of

Junagadh Agricultural University were displayed in the exhibition of the event. Prof. (Dr.) Narendra Kumar Gontia, Hon'ble Vice Chancellor enriched the deliberation by delivering two lectures 1. Agriculture waste management & Agro Based Clean Energy and 2. SMART AGRICULTURE - Role of Technology in Transforming Agriculture:- Mechanical Technology (Farm equipment's).

### Lectures delivered by Hon'ble Vice Chancellor

Prof. (Dr.) Narendra Kumar Gontia, Hon'ble Vice Chancellor participated in XV Agricultural Science Congress organized by National Academy of Agricultural Sciences at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi from November 13-16, 2021 and delivered a lecture on "Internet of Things(IoT) Applications in Irrigation for Economizing Energy Consumption" during the congress.

Hon'ble Vice Chancellor, JAU attended 45<sup>th</sup> IAUA Vice Chancellors" during December, 20-21, 2021 at Birsa Agricultural University (BAU), Ranchi. He delivered a talk on "Water Management for Sustainable Agriculture through applications of IoT" during the convention.

Central Ground Water Board, West Central Region, Ahmedabad organized a one day interaction program on “Aquifer Mapping and Ground Water Management” of Junagadh district on December 28,2021.Hon'ble Vice Chancellor graced the inaugural session as Chief Guest and highlighted the issues and challenges of ground water management and contribution of JAU, Junagadh in ground water management research.

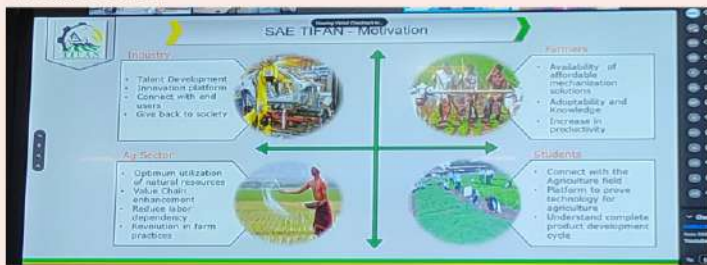
Prof. (Dr) N. K. Gontia, Hon'ble Vice-Chancellor, JAU delivered a talk as guest speaker on "Challenges of Water Scarcity in Agriculture" on December 26, 2021 during the webinar organized by Krishi Jagran on Challenges of Water scarcity in Agriculture.



### Students qualified in Flagship Competition - TIFAN

SAE (Society of Automotive Engineers), India invited traditional and agricultural engineering students across India to participate in 4<sup>th</sup> Edition of its flagship Competition – TIFAN (Technology Innovation Forum for Agricultural Nurturing) on the Theme – “Self Propelled Onion Harvester”. Total 25 B. Tech. (Agril. Engg.) students and 2 Faculties from Dept. of Farm Machinery and Power

Engineering, CAET participated in virtual qualifying round of TIFAN-2022 competition held on October 30-31, 2021 and qualified for the final round of the competition. The team of 25 students will design and develop a "Self-Propelled Onion Harvester" for the final round.



### Webinar on How to Kick Start Agricultural Startup

One-day webinar hosted by Post Graduate Institute of Agri Business Management (PGIABM) on "How to kick start your agricultural startup" in association with Choudhary Charan Singh National Institute of Agricultural Marketing (CCS NIAM), Jaipur on December 24, 2021. The key speaker was Mr. Abhishek Sharma, Manager, finance & information and communication technologies of CCS NIAM in the project "RKVY-RAFTAAR" of Ministry of Agriculture & Farmers' Welfare. Dr. Jagruti D. Bhatt, Assistant Professor, PGIABM was the coordinator from the Institute. Total 75 students and teachers attended the webinar.

### Special Lectures

#### Special Lectures on Career Development

A special lecture on "Career Development in Agriculture" was delivered by Dr. S. T. Ranjan, Ret. Scientist, Central Salt and Marine Chemical Research Institute (CSMCRI), Bhavanagar was arranged on December 14, 2021 at Seminar hall, CAET, JAU, Junagadh. A total of 60 students received guidance on carrier opportunities in Agriculture.

#### Guest Lectures by IDP Cell, College of Agriculture, Junagadh

The IDP Cell, College of Agriculture, JAU, Junagadh organized one-day lecture on "Transgenic Crops: A Future of Plant Protection" on October 14, 2021 under NAHEP-IDP. A transgenic crop is a genetically modified organism (GMO). The objectives of this training were to facilitate better information and to enhance entrepreneurship and leadership skills among the students. A total of 100 undergraduate students got benefited by lecture.

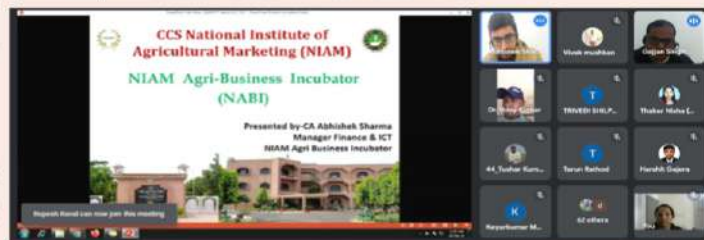
One Day Guest Lectures on "Protective Measures in Pesticidal Application (Suraksha Hamesha) & Diamide Insecticides: a Recent Approach to Combat Lepidoperan Pest" was organized on October 26, 2021 under NAHEP-IDP-College of Agriculture, Junagadh. Altogether 85 undergraduate students participated in the lecture.



One Day Training Programme on "Role of ICT In Up-Scaling Extension Mechanisms" was also organized by IDP Cell, College of Agriculture, Junagadh on October 26, 2021 in which 100 UG students participated.

#### Certificate Course on "Export-Import of Agricultural Commodities"

The IDP Cell, College of Agriculture, JAU, Junagadh (Gujarat) organized a Certificate Course on "Export-Import of Agricultural Commodities" during September 1 to October 5, 2021. Agriculture exports and imports play a vital role in increase in agriculture productivity. A total of 50 undergraduate students participated in the certificate course.



### Trainings on Castor and Pearl millet

STR-AICRP on seed (Crops) at Pearl Millet Research Station, JAU, Jamnagar organized One day training programme on "Varietal Characterization & Seed Production Technology in Castor" and "Varietal Characterization & Seed Production Technology in Pearl Millet" on October 8 and 21, respectively. Students of RAWE programme of 7<sup>th</sup> semester, B. Sc. (Agri.), College of Agriculture, JAU, Junagadh participated in the training and enriched the knowledge regarding varietal characterization and seed production and different aspects of Castor and Pearl Millet.



### Training programmes under SSK

One-day training programme was organized on October 20, 2021 by Directorate of Extension Education, SSK, JAU, Junagadh in collaboration with ATMA project Kutch-Bhuj. The objective of the programme was to make aware about the "Cattle

breeding, Horticulture and Bakery”. Total 54 farm women participated in programme. Two (One day duration) training programmes were organized by Directorate of Extension Education, SSK, JAU, Junagadh with an enthusiastic collaboration with Sadguru Foundation - Dahod. Total 44 Extension workers successfully participated in programme.



One day training was organized on December 29, 2021 by Directorate of Extension Education, SSK, JAU, Junagadh and Bhalgamda Kheti Sahkari Madli-Surendranagar. The objective of the programme was to make aware about the “Scientific farming of winter crops”. Total 24 farmers participated in programme. Another two days training on “Packages for wheat & vegetable crops & organic farming” for Field Staff during December 29-30, 2021 in collaboration with Sadguru Foundation - Rajasthan. Training was imparted by the expert scientists of various department of JAU.



### Mobile Conference

Mobile conference has been organized jointly by Cotton Research Station JAU, Junagadh and Reliance Foundation on December 10, 2021. More than 100 farmers of 12 villages participated in conference. Scientists and the technical staff members gave the information on pink bollworm management, disease management, irrigation management and planning.

### NSS Activities

#### *Girnar Swachhta Abhiyan*

NSS camps were organized in the Girnar Wildlife Sanctuary in two phases for collection of plastic from the Girnar *Parikrama* route. The first camp was organized on December 4, 2021 in the Girnar South Range during which 43 NSS volunteers collected around 60 sacks of plastic from the “*Nadpani Ni Ghor*” area. The second camp was organized on December 5, 2021 in the Girnar North Range during which 47 NSS volunteers collected around 15 sacks

of plastic from the “*Madvela Ni Ghor*” area. Dr. N. K. Gontia, Hon'ble Vice Chancellor, JAU and Principal & Dean, CAET and & Dr. V. R. Malam, Director Students Welfare and Programme Coordinator (NSS) visited the camp and encouraged the NSS volunteers. The camp was organized in coordination and guidance of Dr. Sunil Berval (IFS), Deputy Conservator of Forest, Junagadh Division, Shri J.A. Miyatra, RFO – Dungar North Range and Shri Arvind Bhalia, RFO – Dungar South Range. Prof. P. P. Gajjar, Programme Officer, NSS, CAET coordinated the programme.



#### *Law and Legal awareness programme*

The NSS unit of College of Agriculture, JAU, Mota Bhandariya (Amreli) organized a Law and Legal awareness programme under the celebration of Azadi Ka Amrut Mahotsav programme on October 08, 2021. Different laws and legal provisions were discussed in the programme and students and staff members were made aware regarding the legal procedure.



#### *Celebration of Mahila Jagruti Abhiyan*

The NSS unit of College of Agriculture, JAU, Mota Bhandariya (Amreli) celebrated Mahila Jagruti Abhiyan under Azadi Ka Amrut Mahotsav at Saraswati Girls Hostel, College of Agriculture, JAU, Mota Bhandariya on December 03, 2021. Dr. Mili Desai and Shruti Desai gave detailed guidance on women's health and its solution as well as the use of bio-degradable sanitary pads.



### **Awareness on COVID-19 and RT-PCR testing**

Awareness on COVID-19 and RT-PCR testing (COVID – 19) camp were organized considering “Prevention is better than cure”, under Azadi Ka Amrut Mahotsav by NSS unit at COA, JAU, Mota Bhandariya on December 18, 2021. Keeping in view the situation of COVID-19, the students were made aware about COVID 19 precautionary measures, SOP of Government, Mask distribution and also RT-PCR testing.



### **Clean India Programme**

Polytechnic in Agro-Processing, JAU, Junagadh conducted a "Cleanliness Campaign" under *Clean India Programme* on October 22, 2021. Dr. N. K. Dhamsaniya, Principal, Polytechnic in Agro-Processing, JAU, Junagadh addressed all NSS volunteers on importance of cleanliness for a healthy life and appealed to maintain a clean environment. The cleanliness drive was organized at college and hostel premises. Er. P. P. Vora, NSS Programme officer expressed vote of thanks.



### **Yog Shibir**

Junagadh Agricultural University, Junagadh and Gujarat State Yog Board Jointly Organized Yog Shibir at Sports Ground, JAU, Junagadh as a part of Fit India 2.0 under Azadi ka Amrit Mahotsav. The Shibir was inaugurated by Yogsevak Shishpal, Hon'ble Chairman, Gujarat Yog Board and Prof. (Dr) Narendra Kumar Gontia, Hon'ble Vice Chancellor. The Students & Staff of JAU and the people of Junagadh city participated in a huge number in the Shibir.



### **COVID-19 Testing**

As a part of precautionary measures taken at the University, all the employees and students were required to undertake the Rapid Test as well as RT-PCR test of those who were showing the primary symptoms of Covid-19. The test drive was held on December 25, 2021 at the Health Center of the University by the team of the Health Branch of Junagadh Municipal Corporation, Junagadh. About 700 persons including staff and students were tested. Fortunately none of them tested positive. All staff and students were informed to take utmost precautions.

### **Celebration of Days**

#### **Birth Anniversary of Gandhiji**

Junagadh Agricultural University enthusiastically celebrated Birth Anniversary of Mahatma Gandhiji with befitting manner. A special lecture on “Role of Gandhiji’s thoughts on Personality Development of Youth” was organized on October 1, 2021 by



Directorate of Students' Welfare, JAU. A total of 400 students participated in the event. Dr. Kanubhai Karkar, Deputy Director, District Institute of Education & Training, Junagadh was the invited guest lecturer. Dr. V. R. Malam, Director Students' Welfare, JAU, welcomed the guests.

A drawing competition on cleanliness was organized by College of Agriculture, JAU., Porbandar (Khapat) in collaboration with SBI, Porbandar to celebrate Gandhi Jayanti on October 2, 2021.

#### **World Cotton Day**

"World Cotton Day" was celebrated on October 7, 2021 at Cotton Research Center, JAU, Junagadh. Prof. (Dr.) N. K. Gontia, Hon'ble Vice Chancellor, JAU, Junagadh inaugurated the programme in the presence of Dr. P. M. Chauhan, Director of Research; Dr. V. R. Malam, DSW and Dr. D. R. Mehta, Principal, College of Agriculture, Mota Bhandariya (Amreli). Dr. G. K. Kataria, Research Scientist, Cotton Research Center welcomed the guests and representatives of various organizations i.e. Vardhaman Textile and Better Cotton India (BCI), Reliance Foundation, AFPRO and representative of different companies and farmers. Prof. (Dr.) N. K. Gontia stated that cotton is one of the most important fiber and a cash crop of India and plays a dominant role in the industrial and agricultural economy of the country. Farmers can increase cotton production by use of new technologies given by cotton scientists of JAU, Junagadh.



On this occasion, a bike rally was *flagged off* by Hon'ble Vice Chancellor. A farmers' training was organized on "*Enhance the cotton yield by use of new technologies*" and farmers were guided by various experts of Cotton Research Station. Voice message have been sent approximately 5,000 farmers for cotton advisory with the help of JAU farmers group, Reliance Foundation group, BCI farmers groups, AFPRO farmers group and ATMA Junagadh farmers group. Different events i.e. *Farmers' remembering competition, Farmers' knowledge test, Farmers' knowledge quiz and Farmers' musical chair* were organized. The prizes were distributed to winner farmers.



### World Food Day

World Food Day was celebrated by NSS unit, College of Agriculture, JAU, Mota Bhandariya in collaboration with KVK, JAU, Amreli on October 13, 2021. In this programme, scientists from KVK discussed on organic farming, different methods of cooking, balance diet as well as the importance of proper diet in the current COVID-19 situation.



KVK, JAU, Jamnagar and BIAF jointly celebrated "World Food Day" at Singach. Farmwomen were made aware about quality and nutritive food preparation, safely storage and value addition of the food, the IPM technologies for kitchen gardening and organic cultivation. KVK, Khapat (Porbandar) organized a debate competition on nutritional diet and essay competition. KVK, Morbi also celebrated World Food Day, a lecture on importance of organic food and kitchen garden was arranged. KVK, Nana Kandhasar celebrated World Food day at Bhetsuda village of Surendranagar district. The Scientists narrated that malnutrition is

the major obstruction to the national development



### Birth Anniversary of Sardar Vallabhbhai Patel

Junagadh Agricultural University celebrated 150<sup>th</sup> birth Anniversary of Iron man of India Shri Sardar Vallabhbhai Patel at Sardar Smruti Kendra JAU on October 31, 2021. On this occasion Prof. (Dr) N. K. Gontia, Hon'ble Vice Chancellor, Director of Extension Education, Dr. H. M. Gajipara and all the Principal and Deans, staff members were remained present and a floral tribute was given to the Statue of Shri Sardar Vallabhbhai Patel.



NSS volunteers of Polytechnic in Agro-Processing, JAU, Junagadh participated in a state level essay competition organised by Department of Education, Government of Gujarat.

KVK, Porbandar celebrated to mark the birth anniversary of Sardar Patel. An oath taken by staff members of KVK, CoA and Cotton Research Station, Khapat on this occasion.

### Constitution Day

As a part of celebration of Constitution Day on November 26, 2021, the Directorate of Students Welfare, JAU organized a Guest Lecture on "Constitution: Strength of Citizens" also known as "National Law Day". The programme was chaired by Prof. (Dr) Narendra Kumar Gontia, Hon'ble Vice Chancellor, JAU, Advocate Shri Kirit Sanghvi, Gujarat High Court delivered lecture and gave insight to 322 participant students of JAU about constitution of India.



The Constitution Day was celebrated at Krishi Vigyan Kendra, Khapat on November 26, 2021. The preamble of our constitution was read by staff of KVK & CoA, Khapat.



## Agricultural Education Day

Indian Council of Agricultural Research has designated on 3<sup>rd</sup> December as “Agricultural Education Day” to commemorate the birth anniversary of first President of Independent India and Union Minister of Agriculture, Bharat Ratna, Dr. Rajendra Prasad.



A Blood Donation Camp was held on Celebration of Agricultural Education Day as a part of "Azadi Ka Amrut Mahotsav" by Junagadh Agricultural University in Collaboration with HDFC Bank under the guidance of Prof. (Dr.) Narendra Kumar Gontia, Hon'ble Vice Chancellor, JAU. Dr. V. R. Malam, Director, Students' Welfare, JAU welcomed the dignitaries. Dr. P.M. Chauhan, Director of Research, PI-IDP and Principal and Deans & Co-PI-IDP from various colleges were also present along with Mr. Dharmeshbhai Upadhyay, Operational Manager, HDFC Bank Junagadh.

The Agricultural Education day was celebrated at College of Agriculture, JAU, Mota Bhandariya also organized elocution competition in which 13 students actively participated.



An agricultural book exhibition was organized to celebrate the Agricultural Education Day at College of Agriculture, J.A.U., Porbandar in collaboration with Scientific Publishers and United Book Sellers.

## World Soil Health Day

World Soil Health Day is celebrated every year on 5<sup>th</sup> December to raise awareness of the importance of soil to the sustenance of life on earth.

On World Soil Day-2021, Department of Soil Science and Agricultural Chemistry, JAU, Junagadh has arranged collaborative poster presentation with AAU, Anand under ISSS zonal chapter. The students of polytechnics, UG and PG of Agriculture as well as Horticulture faculties have actively participated in this event. The institute has also organized E-Quiz competition and march rally. Total of 153 students

participated in program. All staff members and students participated in poster rally. An interview on importance of soil health of Dr. S. G. Savalia, Professor and Head was broadcasted by ETV- Bharat to raise awareness among society.



AICRP on IWM and AICRP on PEASEM, CAET, JAU, Junagadh organized a Seminar on "Halt Salinization and Boost Productivity". The programme was organized under the chairmanship of Prof. (Dr) N. K. Gontia, Hon'ble Vice –Chancellor, JAU and faculties of the college. Hon'ble Vice –Chancellor explained the important of soil health for the betterment of human community. Dr. P. M. Chauhan, Director of Research, JAU, has narrated to prevent the soil salinity. Dr. H. D. Rank, Research Engineer, AICRP on IWM conveyed about the soil as natural wealth of the world. Dr. R. M. Satasiya, Research Engineer, AICRP on PEASEM delivered a talk on mulching technology for preventing of soil salinization. Digital poster presentation by the PG student of the college was organized. There were 20 faculties, 125 students participated in this event.

The IDP Cell, College of Agriculture, JAU, Junagadh organized Online National Quiz on “World Soil Health Day” Altogether, 70 UG students participated in the quiz.

KVK Amreli, KVK, Morbi, KVK, Nana



Kandhasar, KVK Jamnagar and KVK Pipalia also celebrated world soil health day. Scientists of KVK made aware the participants regarding importance of nutrition in the plant growth, soil reclamation, management of nutrition balance in soil, microorganisms for bio fertilizers, plant nutrient deficiency diagnostics and advisories for balanced nutrition of crops.



## Inter College Essay Competition

Intercollege Essay Competition was organized at College of Agriculture, Porbandar (Khapat) on November 27, 2021. Total 16 Students of various

Colleges of JAU participated in this competition. The topics of essay competition were “Corona Pandemic- Blessing or Curse” for under graduate section and “Natural Farming- A Future Perspective?” for post graduate section.

### Inter College Sports Events

The intercollegiate sports tournaments were organized among various colleges of JAU during December 30 to 31, 2021. The event was inaugurated by Prof. (Dr) Narendra Kumar Gontia, Hon'ble Vice Chancellor, JAU. Shri Dhiraj Mittal (IFS), District Forest Conservator, Junagadh was presents as Chief Guest and encouraged participants. College of Agriculture Engg. & Tech., Junagadh secured the first position in Volleyball (M-W) Badminton (M), Table Tennis (W), Basketball and Kho-Kho while, College of Agriculture, Junagadh secured first position in Table Tennis (M) and Kabaddi(M) and College of Horticulture secured first position in Badminton(W). Dr. V. R. Malam, Director Students' Welfare, Prof. D. V. Bhut, Dr. N.V. Kanani, Physical Instructors, Shri V. V. Sola nki, Agril. Officer, DSW office spared their service for success of this tournament.



### JAU Staff Cricket Tournament

The JAU staff Cricket tournament was organized during December 24-26, 2021 wherein 12 teams of various departments of JAU



participated. Prof. (Dr) Narendra Kumar Gontia, Hon'ble Vice Chancellor, JAU, Junagadh inaugurated the event and expressed that such tournament helps to build teamwork and better working environment among the University staff. The team "Junagadh Lions" got the championship and "Agri Indians" became runners up. While Dr. V. R. Malam, Director, Students' Welfare, Prof. D. V. Bhut, Physical Instructors, Shri V. V. Solanki, Agril. Officer, DSW Office spared their service for success of this tournament.

### Certificate Distribution to Input Dealers

The certificate distribution programme for 12-week Input Dealers training was organized by the Directorate of Extension Education on December 27, 2021. The certification training is facilitated by various centers of JAU. Total 771 dealers were imparted the knowledge about basic fundamentals related to agriculture inputs, insect & disease management, input management and handling & storage of hazardous agricultural inputs. During the programme, Dr. H. M. Gajipara, DEE, JAU, Junagadh motivated all dealers to work as agricultural advisor for farmers of their area for effective and efficient utilization of pesticides and fertilizers for better returns from farms. Shri. Gauravbhai Bhimani, M.D. Genetic Organic Private limited was present and facilitated all dealers with token of gift.



The certificate distribution programme for certificate course on Pesticide Management was organized at KVK, Porbandar on December 21, 2021. Dr. H. M. Gajipara, DEE, JAU; Dr. G. R. Gohil, Asso. DEE; Shri Arvindbhai Timbadiya, Chairman, All India Pesticide Dealer Asso.; staff of KVK & CoA remained present. Certificates were distributed to 72 trainees. KVK Nana Kandhasar also organized the certificate distribution programme on December 24, 2021 for 85 agri-input dealers.

### Exposure Visit

Farmers, farm women and students from different districts of Gujarat and Rajasthan visited SSK and Krushi Darshnalay.



During their visit, they acquired valuable information on latest technologies in agriculture, different activities being carried out at JAU. Around 500 visitors visited Arzi Hookumat museum and photo gallery of Sardar Vallabhbhai Patel at SSK and “Krushi Darshanalay” JAU, Junagadh.

### Mahila Kisan Divas

#### KVK, Amreli

Mahila Kisan Divas was celebrated by KVK, Amreli October 15, 2021. Activities like; drawing competition on balanced diet and poshan thali, essay writing on importance on nutrition for women, lectures on contribution of women in agriculture, disease management in vegetable crop and gram and irrigation technologies etc. were arranged for benefiting 48 farm women.

### **KVK, Jamnagar**

Krishi Vigyan Kendra, JAU, Jamnagar organized Kishan goshthi on Mahila Kisan Divas in which discussion on “Ways for women empowerment” was conducted by Dr. K. P. Baraiya and “Different types of Nutri cereals and their benefits in our health” by Prof. A K. Baraiya covering 55 farm women as beneficiaries.

### **KVK, Morbi**

KVK, Morbi also celebrated Kisan Mahil Divas at Chhatar village of Tankkara Taluka. Total 27 farm women participated in this event.



### **KVK, Nana Kandhasar**

KVK, Nana Kandhasar celebrated Mahila Kisan Diwas to recognize the invaluable contribution of women in agriculture & allied subject. Scientists delivered the talk on various topics like; role of women in agriculture, health and nutrition security for rural women, roles in animal husbandry. Total 21 farm women were participated in the programme.



### **KVK, Pipalia**

KVK, Pipalia organized the event with 32 farm women, where they shared their problems and experiences.

## **Farmers Day**

The National Farmers Day in India also known as *Kisan Divas* is celebrated on December 23, on the birthday of the 5<sup>th</sup> Prime Minister of India, Choudhary Charan Singh to express our gratitude to farmers.

### **KVK, Amreli**

KVK, Amreli celebrated Kisan Diwas and created awareness on waste management, recycling of waste water and water harvesting for agriculture. Total 52 farmers participated in this event.

### **KVK, Morbi**

“Kisan Divas” was also celebrated by KVK Morbi. Shri D. A. Saradava delivered lecture on IPM in Rabi crops and farmers shared their views on innovativeness and cleanliness drive in Agriculture. Training programme, Kishan goshthi and awareness programme and other different activities were organized by KVK Morbi. Total 99 farmers and farm women participated in this event.



### **KVK, Nana Kandhasar**

KVK, Nana Kandhasar celebrated *Kisan Diwas*, About 105 farmers were participated in the programme.

### **KVK, Pipalia**

On this occasion of farmers day, KVK Pipalia had organized a farmers’ seminar at its campus in which 35 farmers & farm women participated and shared their practices and experiences.

## **Swachhta Pakhwada**

“Swachhata Hi Seva” fortnight was celebrated across the country to mark the third anniversary of Swachh Bharat Abhiyan.

### **KVK, Amreli**

KVK, Amreli celebrated the fortnight from December 16 to 30, 2021. Different programme like; tree plantation, cleanliness and sanitation drive in the villages adopted under the Mera Gaon Mera Gaurav, cleanliness and sanitation drive within campuses and surroundings, utilization of organic wastes, technology demonstrations for conversion of waste to wealth, safe disposal of all kinds of wastes were organized. About 320 farmers’ actively participated in the events.

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

KVK, Khapat (Porbandar) organized cleanliness drive, taking Oath, awareness programme on *Swachhta* mission etc. were organized.



### **KVK, Morbi**

KVK, Morbi conducted activities like; Oath taking, cleanliness drive, swachhta awareness programmes, vermin composting /composting of biodegradable waste management, kitchen gardening etc. A total of 523 farmers, farm women and officers participated in this event.

### **KVK, Pipalia**

KVK, Pipalia had contributed towards this campaign by creating awareness on cleanliness, sanitation and waste management.

## Training on Organic Farming

Krishi Vigyan Kendra, JAU, Nana Kandhasar organized collaborative training on "organic farming" with ATMA project, Surendranagar on November 18, 2021 and December 21 & 23, 2021. Scientists of KVK delivered lectures on prospects of organic farming and use of bio fertilizers, NADEP, phospho compost and green manuring, techniques of cultivation of fruits and vegetables using organic practices, use of waste decomposer in organic farming and certification procedure of organic produce. Total 215 farmers and farm women took part in this training programme.



## Prime Minister's Address on Natural Farming

Live webcast of Hon'ble PM Shri Narendra Modi's address to nation on Natural Farming was arranged at various KVKs of JAU on December 16, 2021. Hon'ble PM addressed the nation on Natural Farming in Pre-Vibrant Gujarat Summit through virtual mode organized by Govt. of Gujarat at Anand. Farmers in large number attended the programme at various KVKs.



## Multi Location Audio Conference

Krishi Vigyan Kendra, Nana Kandhasar, JAU organized an audio conference in collaboration with the Reliance Foundation on December 15, 2021. In the audio conference, Dr R. P. Kalma, Scientist (AH) addressed the farmers and delivered speech about scientific animal husbandry. He also answered the queries raised by the farmers related to the animal husbandry.

## Pride of University

### Best Paper Presentation Award

Dr. P. N. Chaudhari, Assistant Research Scientist, Bull Mother Farm, JAU, Amreli awarded Best Oral and Poster presentation award in two different categories in the VIII Annual Convention and National seminar on Innovative Biotechnological Approaches for Enhancing Fertility, Health and Productivity of Livestock to Boost Farmers" Economy and VIII Annual Convention of the Society for Veterinary Science & Biotechnology (SVSBT) held at ANDUAT, Kumarganj, Ayodhya (UP) during December 17-18, 2021.



## JAU Family Wishes Happy and Healthy Retired Life

No.	Name and Designation
<b>October - 2021</b>	
1.	Ms. S. K. Mandavia, Associate Prof. (D)
2.	Dr. B. P. Talaviya, Assistant Prof.
3.	Shri N. H. Baroghana, Agri. Assistant
4.	Shri M. P. Ramoliya, Peon
<b>November- 2021</b>	
5.	Shri R. D. Dhudesiya, Associate Prof. (D)
6.	Shri N. S. Lakhani, Assistant Prof.
7.	Shri L. G. Devaiya, Agri. Assistant
<b>December- 2021</b>	
8.	Shri V. G. Gajera, Agri. Supervisor
9.	Smt. Maltiben Dave, Head Clerk

### Printed Matter/ Book Post

To,

From:

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