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newsletter@jau.in**From Vice Chancellor's Desk****Blockchain Technology in Agriculture**

Dear Colleague

Festive greetings to all on the occasions of Diwali and Gujarati New Year. I wish this New Year brings us new opportunities to excel in possibilities and to deliver ourselves to work for the upliftment of our stakeholders. The Green Revolution success story is solid proof of our scientific system rising to the wake-up call of the food-starved nation and making it a self-sufficient and food-sovereign nation within a decade. In similar vein, the silent revolution that has happened in the form of Information Communication Technology (ICT) over the decades and across the sectors is no less phenomenal.

Smart agriculture is featured by the utilization of ICT (information and communication technology), internet of things (IoT), and various modern data collection and analysis technologies including unmanned aerial vehicles (UAV), sensors and machine learning. A key issue of establishing smart agriculture is developing a comprehensive security system that facilitates the use and management of data, which can be done by block chain technology. Other important applications of ICT are digitization of land records, digital payments, and real-time technical advisory, which are helping the farmers to raise their quality of life. The blockchain technology can power the databases enabling the participation of multiple stakeholders who can access and verify new additions to the database, allowing for more security. The blockchain database are interactive and decentralized where all stakeholders from producers to consumers can record, track, validate and share the information available in real-time.

The blockchain technology is a huge step forward in the world of modern agriculture. It enables the traceability of information in the food supply chain to improve food safety. Blockchain's ability to store and manage data creates traceability, which is used to facilitate the development and use of innovations for intelligent farming and index-based agriculture insurance. The blockchain technology improves transparency and traceability of the data entered. For instance, a consumer keen on buying organic products can trace the origins of the organic labelling in a blockchain setup and verify the claims of the product. As this technology enables the record entry by different participants and creates individual blocks before encryption, any alteration in the data will not go unnoticed. Traceability of product origins can improve trust beyond transparency among the market players. Several supply chain disruptions and deficiencies can also be tackled when blockchain technology is leveraged. In India, the blockchain technology is being attempted in seed supply chain management and fertilizer subsidy management with the possibility of farmers receiving subsidy payments directly into their bank accounts immediately after their fertilizer purchase.

Junagadh Agricultural University under its NAHEP-IDP activities has also conducted several training programs, guest lectures, and webinars on blockchain technology. The students have not only learned the nuances of this technology but also its intelligent applications. The core of blockchain technology seems to be its decentralization enabling the active participation of even small and marginal farmers and not only elite and technically abled customers. As the advent of UPI/BHIM technology revolutionized digital payments in India, it can only be expected that making blockchain technology accessible to all small and large players alike shall bring forth many innovations with good returns, thereby attracting the next generation to farming.

**(V. P. Chovatia)**

Appointment of Vice-Chancellor in JAU

Dr. V. P. Chovatia assumed office as the fourth full-time Vice-Chancellor of Junagadh Agricultural University (JAU) starting from 11 August 2022 onwards. Earlier, he was also serving as the in-charge VC of the University from October 2019 to August 2021. Besides, he also served as the Director of Research of the University and is credited to the development of CoA, Mota Bhandariya with him serving as its Founding Principal. Dr. V. P. Chovatia is known for his research in plant breeding, administrative acumen and managerial skills. It was a Joyful moment for JAU fraternity that a scientist par excellence, able administrator and communicator is appointed as Vice Chancellor of the University.



First Ever Patent of JAU

The Foldable Container for Storage and Transportation of Agricultural Produce was developed under the AICRP on Plastic Engineering in Agriculture Structure and Environment Management, ICAR, Department of Renewable Energy Engineering, College of Agricultural Engineering and Technology, JAU, Junagadh during the year 2012 and patent of this innovation was filed in the year 2013.



This unique invention was granted patent by the Patent Office, Govt. of India on August 29, 2022 from March 6, 2013 for 20 years. This box is strong, light weight, long lasting, clean, good stacking and moisture free, its cell can be adjusted according to fruit size, sheets can be separated to nullify impact damage of upper layer, perforation is provided for proper respiration, use of this box can minimize transportation loss, the container is completely foldable and reusable, it is efficient in

handling, transportation and storage of horticultural produce. This is the first ever patent of Junagadh Agricultural University, Junagadh as well as the AICRP on PEASEM (ICAR). Dr. V. P. Chovatia, Hon'ble Vice Chancellor, Junagadh Agricultural University, Junagadh was delighted and appreciated the achievement of the centre and scientists.

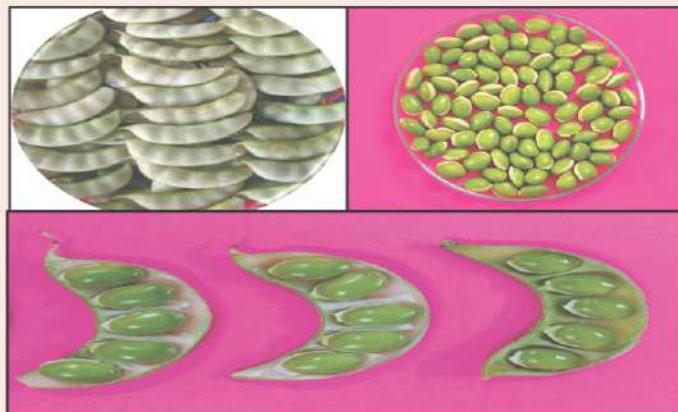
18th Combined Meeting of Agricultural Research Council (AGRESCO-2022)

The 18th Combined Meeting of Agricultural Research Council (AGRESCO-2021) of SAUs and Kamdhenu University was organized and hosted by JAU, Junagadh through virtual mode, during May 04-18, 2022. Scientists of SAUs of Gujarat and KU actively deliberated on research recommendations and new technical programmes for benefit of the farmers and scientific community. Shri Raghavjibhai Patel, Hon'ble Minister, Agriculture, Animal Husbandry and Cow Breeding, GoG graced the plenary session. Dr. N. K. Gontia, Hon'ble VC, JAU; Dr. K. B. Kathiria, Hon'ble VC, AAU; Dr. Z. P. Patel, Hon'ble VC, NAU; Dr. R. M. Chauhan, Hon'ble VC, SDAU and Dr. N. H. Kelawala, Hon'ble VC, KU also graced the function and gave their valuable inputs. In total, four improved varieties, 34 recommendations for farming community, 29 recommendations for scientific community and 56 new technical programmes of JAU were approved in AGRESCO-2022.

Varieties Released

Indian bean: Gujarat Indian Bean 3 (GIB 3: Sorath Harita)

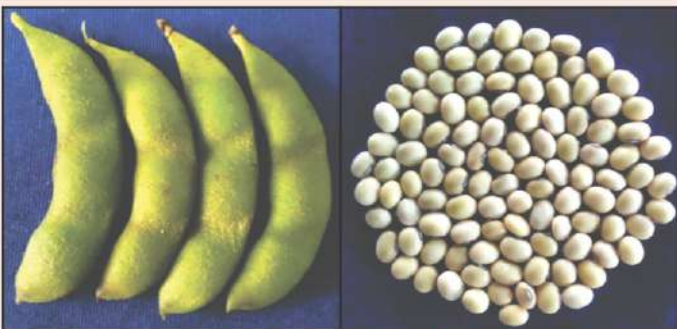
JAU released Indian bean (Papdi) variety Gujarat Indian Bean 3 (GIB 3: Sorath Harita) for the cultivation during late *kharif*/*rabi* developed by Vegetable Research Station, JAU, Junagadh. It has recorded the mean green pod yield of 225.24 q/ha, which was 13.96, and 12.81 per cent higher over local check varieties, Gujarat Papdi-1 and GJIB 2 respectively.



The pods of GIB 3 are medium long in size with whitish green colour. This variety contains higher protein content. This variety has cluster pod bearing habit hence, it is suitable for easy pod picking. It is moderately resistant against leaf spot, mosaic diseases whereas, pod borer damage was found low as compare to check varieties.

Soybean: Gujarat Soybean 4 (G.Soy 4: Sorath Sonali)

JAU released an improved soybean variety, Gujarat Soybean 4 (G.Soy 4: Sorath Sonali) for kharif season developed by Agricultural Research Station, JAU, Amreli. The variety has recorded mean seed yield of 2160 kg/ha, which was 11.46, 43.05 and 9.87 per cent higher over the check varieties, JS 335, G.Soy 2 and GJS 3 respectively. This variety has also recorded 10.38 per cent high oil yield over the check variety GJS 3 and was found comparable to the check varieties against *Rhizoctonia* root rot and *Cercospora* leaf spot diseases. The damage due to sucking pest and leaf defoliators was also comparable to G.Soy 4 to the check varieties.



Endorsement of Bt Cotton hybrid: Gujarat Cotton Hybrid-26 BG-II (G.Cot.Hy-26 BG-II: Sorath Swet Kanchan)

JAU, Junagadh released cotton hybrid Gujarat Cotton Hybrid-26 BG-II (G.Cot.Hy-26 BG-II: Sorath Swet Kanchan) under irrigated condition developed by Cotton Research Station, JAU, Junagadh. This hybrid has recorded 2798 kg/ha seed cotton yield, which was 1.8, 39.7, 21.0 and 5.4 per cent higher over BG-II check hybrids viz., GTHH-49, RCH-2, MRC-7351 and PCH-4599, respectively. This hybrid gave lint yield of 997 kg/ha, which was 1.1, 48.5, 28.1 and 12.0 per cent higher over BG-II check hybrids GTHH-49, RCH-2, MRC-7351 and PCH-4599, respectively. It possesses 35.3 per cent ginning outturn. This hybrid is medium in maturity. It is found resistant to *Alternaria* leaf spot and bacterial leaf blight diseases and found moderately tolerance against sucking pests.



'Har Ghar Tiranga' Campaign

The 'Har Ghar Tiranga' campaign of Ministry of Culture, Government of India was unanimously venerated by all the Colleges, KVKs, Research Stations, Farms, Hostels, and Departments of JAU with the hoisting of the National Flag atop the buildings and virtually pinning the flag location at the Ministry's portal, <https://harghartiranga.com>. In fact, most of the faculties and staff also joined the fervour by hoisting the flags at their homes and flooded the social media with the spirit of patriotism and commitment towards nation-building. As a mark of approval, digital certificates were also provided by the Ministry of Culture, GoI for every flag that was virtually pinned.

Selection of 42 Ph.D. scholars for SHODH

As many as 42 Ph.D. candidates of JAU were selected for research stipends under SHODH (Scheme of Developing High Quality Research) of Education Department, Government of Gujarat for the academic year 2021-22 as per the list released in the department's official portal on 15 September 2022. The selected students will receive Rs. 15,000 per month under this scheme apart from the provision of a contingency grant of Rs. 20,000 per year for attending seminars, workshops, subscribing to journals, book purchase and a host of other academic pursuits.



NAHEP-IDP Activities

International Training of students at AIT, Bangkok, Thailand

Under the guidance of Dr. V. P. Chovatia, Hon. VC, JAU, total 13 students of B. Tech (Agril. Engg.) completed two months International training on the new theme "Training and Experimental learning on Drones, IoT and Google Earth Engine and their Applications". Students actively engaged in various technical projects within the domain of Drones, IoT, Remote

Sensing, GIS under the mentorship of Dr. Manzul Hazarika, Director, Geoinformatics Center, AIT. The training included lectures on different topics of fundamentals of Python and Google Earth Engine (GEE), Image Supervised and Unsupervised Classification with GEE, IoT, Arduino, Application of Remote Sensing, Large area mapping through drones, GPS, GNSS, etc. The students also had a dedicated session on Drone Technology training and GIS softwares. This international training provided excellent platform to CAET Students to enrich their technical knowledge in the advanced technology along with exploring the rich heritage and culture of Thailand.



Several training programmes were organized under the aegis of NAHEP-IDP by various departments of CoA, Junagadh and CoH, Junagadh during this July-September quarter for the UG students of agriculture and horticulture. The department-wise training programmes are given below.

Vocational Training on “IoT and AR/VR Embedded Climate Smart Water Management”

Under the guidance of Dr. V P Chovatia, Hon'ble VC, JAU, the Incubation Center on Advanced Irrigation Technologies, Dept. of SWCE, CAET, JAU, Junagadh under the aegis of NAHEP-IDP organized Five Days Vocational Training on “IoT and AR/VR Embedded Climate Smart Water Management” from September 5-9, 2022. Dr. D. R. Mehta, PI (NAHEP-IDP) and Director of Research & Dean PG Studies, JAU as Patron, Dr. N. K. Gontia, Co-PI (NAHEP-IDP) and Principal & Dean, CAET, JAU as Chairman along with guests graced the function and addressed the gathering to make the students inclined towards the IoT, AR/VR application in the fields of water management. The vocational training programme envisaged enhancing the practical knowledge about sensors, IoT, Arduino programming, Nodemcu, Raspberry PI, Network set-up, Control Devices using Local host Web Server, Hands on AR/VR and forming of several IoT projects related to smart water management. At the end of training, students prepared 13 IoT based projects related to smart water management.



Vocational Training on “Combating the diseases of field and horticultural crops: Past and future strategies”

A five day vocational training programme on “Combating the diseases of field and horticultural crops: Past and future strategies” under NAHEP-IDP was organized by the Department of Plant Pathology, CoA, JAU, Junagadh from 29 August to 3 September 2022. The event saw the participation of 50 undergraduate students of agriculture and horticulture faculties. Resource persons were invited from state and national levels. The training gave importance to both theory and hands-on practical sessions. The participants were given exposure on various fungal, bacterial, viral and nematode diseases of field and horticultural crops along with their integrated management practices. Dr. V. P. Chovatia, Hon'ble VC, during his presidential address in the inaugural ceremony, motivated the students to think of establishing plant pathological clinics and become agripreneurs in future. Dr. D. R. Mehta, DR; Dr. H. M. Gajipara, DEE and Dr. P. Mohnot, ADR remained present during its inauguration.



Entrepreneurship development training programme on “Horticultural entrepreneurship: New paradigm in Indian Agriculture”

College of Horticulture, JAU, Junagadh organized a five day entrepreneurship development training programme on “Horticultural entrepreneurship: New paradigm in Indian Agriculture” during September 12-16, 2022 under NAHEP-IDP with the participation of 60 undergraduate students. Both theory and hands-on training sessions were conducted by eminent resource persons invited from the other SAUs and ICAR centres in Gujarat. The training programme was intended to improve the skillsets of students in becoming entrepreneurs

in horticulture based industries like processing and preparation/manufacturing of value added product including dry flower, nursery and supply of planting materials, and landscaping consultancy. Dr. V. P. Chovatia, Hon'ble VC, JAU presided of the inaugural ceremony and motivated the students to become job providers instead of job seekers.



Training on Insecticide Resistant Management and Dissemination of Pink bollworm

A one day training programme under project of Insecticide Resistant Management and Dissemination of Pink bollworm (NFSM) was organized by Cotton Research Station, JAU, Junagadh on September 8, 2022. The programme was inaugurated with lighting lamp by Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU; Dr. D. R. Mehta, Director of Research, JAU; Dr. H. M. Gajipara, DEE, JAU and Dr. M. G. Valu, RS CRS, JAU, Junagadh. Fifty farmers from five villages of Junagadh district participated in the training and input kits were distributed to farmers. The talks on management of Pink Bollworm in cotton was delivered by scientists of Cotton Research Station, JAU, Junagadh.



Residential Training on Green/Net House Farming

The Residential training on Green/Net House Farming was organized by Directorate of Extension Education, JAU, Junagadh during August 1-17, 2022. The training programme was inaugurated by Prof. (Dr.) N. K. Gontia, Hon'ble Vice Chancellor, JAU, Junagadh. Dr. H. M. Gajipara Course Director & DEE, JAU, Junagadh highlighted the importance of the course and



benefits of protected cultivation. A total of 53 farmers were trained on different aspects of green/net house by JAU scientists through 30 lectures, 3 practical and exposure visits.

Training on Bee Keeping

Directorate of Extension Education, JAU, Junagadh and Joint Director of Horticulture, State Horticulture Department, Rajkot jointly organized two days training on Bee Keeping during September 27-28, 2022 along with technical support from Department of Entomology, CoA, JAU, Junagadh. The training was inaugurated by Dr. V. P. Chovatia, Hon'ble Vice Chancellor explained usefulness of bees in pollination of cross-pollinated crops. Dr. H. M. Gajipara, DEE, JAU shared the information about different species of honeybees. Shri H.C. Usdadia, Deputy Director of Horticulture has given information about "Mission Honeybee Programme" recently launched by Gujarat Government. Dr. D. M. Jethva, Associate Research Scientist and other scientists of Entomology department imparted training through lectures and practical on various aspects of bee keeping. In all, 54 participants of Saurashtra were benefitted from the training.



Training on Value Addition and Market Management of Oilseeds

Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh organized a one-day training programme on "Value addition and market management of oilseeds" on September 20, 2022 with the participation of 40 progressive farmers and farm women. During inauguration, Dr. V. P. Chovatia, Hon'ble VC, JAU delivered presidential address and apprised the participants about the importance of understanding the competition from countries like Brazil and China in oilseed production and

marketing. Dr. D. R. Mehta, DR, JAU and Dr. N. K. Gontia, Principal & Dean, CAET also graced the function. Five lectures were arranged throughout the day on oilseed production, processing, value addition, marketing prospects, and export avenues.



Farmers Awareness Programme

A training programme for 500 farmers and 150 farmwomen of Sanathali, Navagam, Jivapar and other nearby villages of Rajkot district was organized by the Main Dry Farming Research Station (MDFRS), JAU, Targhadia on September 28, 2022. During this event, Dr. D. S. Hirpara, Research Scientist explained about the new technologies developed at the station to mitigate the implications of climate change. Prof. V. D. Vora, Technical Officer informed the gathering about the Agromet Advisory Service Bulletin and various mobile applications such as Meghdoot, Mausam and Damini and their usage in daily field operations.



Visit of the dignitaries

Dr. V. K. Singh, Director, ICAR -CRIDA and Dr. R. P. Mishra Principal Scientist, IFS, Modipuram visited AICRPDA-Targhadia, JAU, Targhadia on October 6, 2022 and interacted with progressive farmers of Sanosara, Kheradi, Rataiya villages of Rajkot district. He awarded Shri. Alpeshbhai Laljibhai Saypariya as the Best Dryland Farmer.



He also emphasized to reduce production cost by mechanized farming and to increase organic matter content of soil by using crop residues. The team visited experimental sites at the centre.

Agri World Expo-2022

The Agri World Expo-2022 was organized by Spark Media Inco. in association with JAU, AMMA-India and GAMMA during September, 16 - 18, 2022 at Shastri Maidan, Rajkot. In this event, new technologies and improved practices of JAU were exhibited through charts, models, specimens in 11 stalls and scientists of concerned subjects provided guidance to the visitors. A large number of farmers, farm women and other stakeholders visited the stalls and discussed with JAU scientists about improved practices to be adopted for better returns from their farms.

Bi-monthly Workshop

Under the Training & Visit Scheme, Bi-monthly workshop was organized by DEE, JAU, Junagadh during August 23-24, 2022. Dr. H. M. Gajipara, DEE, JAU inaugurated the workshop. Mr. S. K. Joshi, Joint Director, State Agriculture Department remained present as the Chief Guest. In all, 38 participants including Deputy Directors of Agriculture, District Agriculture Officers, Assistant Directors of Agriculture and Agricultural Officers from 10 districts of Saurashtra region attended the workshop. Lectures on pest and diseases of important crops of the region, crop management in cotton and castor crop production technology were delivered by the scientists of JAU. The current status and crop condition of *kharif* crops in each district was presented by District Agriculture Officers of respective districts.



Virtual IPR Workshop

Under the aegis of National Intellectual Property Awareness Mission, a virtual workshop was arranged by PGIABM, JAU, Junagadh on September 21, 2022 in which Mrs. Pooja Vishal Mauliker, Examiner of Patent & Designs, Ministry of Commerce and Industry, GoI delivered her special lecture covering copyright, trademark, GI, patent, and plant breeder rights.

Celebration of Days

Independence Day

Junagadh Agricultural University enthusiastically celebrated the 76th Independence Day on August 15, 2022 in a befitting manner. Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU hoisted the national flag to honour the historical event of India's Independence. During this celebration, the honour of felicitation was extended to Shri Labhshankarbai Dave, freedom fighter of Quit India movement from Junagadh. In addition to this, Chairmen, Student's Representative Councils, Rector, Assist. Rector and Scientists who have received awards for outstanding work were also honored. On this occasion, tree plantation was also organized. All the Colleges, KVKs and Research Stations of JAU also celebrated the 76th Independence day at their premises.



Teacher's Day

On the occasion of the birth anniversary of Dr. Sarvepalli Radhakrishnan, foremost educator par philosopher and the country's second President, Teacher's Day is celebrated all over India. To commemorate this event, the colleges and polytechnics of JAU organized student lectures whereby the students were asked to take classes in front of teachers and the participating professors also reminisced about their times as students and the evolution of student-teacher relationships.



ICAR Foundation Day

The 94th Foundation Day of ICAR was celebrated on July 16, 2022 by KVKs of JAU virtually. During the event, Shri Narendra Singh Tomar, Hon'ble Union Agriculture Minister and Farmers' Welfare released compilation of 75,000 success stories on doubling farmers' income and awarded the best performing farmers and scientists. Large number of farmers also attended the event virtually at various KVKs of JAU.

World Ozone Day

Department of Agronomy and Department of Soil Science & Agril. Chemistry, CoA, Junagadh jointly observed the 28th World Ozone Day on September 16, 2022 on the theme: Global Cooperation to Protect Life on Earth. The event had in attendance, Dr. S. G. Savalia, Principal & Dean, CoA, Junagadh, Dr. R. M. Solanki, DSW, Dr. K. B. Parmar, ADR, and Dr. P. D. Kumavat, Professor & Head (Agronomy) besides several other teaching faculty, non-teaching staff and PG students of the Natural Resource Management (NRM) Group. A virtual guest lecture on 'Save ozone, save planet' by Dr. Shailendra Viyol, Assistant Research Scientist (Environmental Science), NAU, Navsari was also arranged.

Parthenium Awareness Week (PAW)

The 17th Parthenium Awareness Week (PAW) was observed at the Instructional Farm, Department of Agronomy, CoA, Junagadh and Main Dry Farming Research Station (MDFRS), JAU, Targhadia during August 16-22, 2022. During the inaugural at college, Dr. R.M. Solanki, DSW served as the Chief Guest while Dr. P. D. Kumawat, Professor & Head (Agronomy) rendered special remarks. Further, the lecture on "Parthenium threats and its way of management" was delivered by Dr. B. B. Ramani, Planning Officer, Office of DR, JAU. In this week-long event, all the faculties, research scientists technical staff, labourers and students of both the units actively participated in eradicating Parthenium weeds from the fields and bunds.



Celebration of Technology Week

Technology Week was celebrated by all the KVKs of JAU on various dates such as from 29 August to 3 September 2022 (KVK, Amreli), 26 September to 1 October 2022 (KVK, Jamnagar), September 12-17, 2022 (KVK Targhadia) and September 19-23, 2022 (KVK, Khapat), KVK, Morbi, and KVK, Nanakandhasar.

The objective of the programme was to create mass awareness among farmers about the location specific



advanced technologies for sustainable agricultural production. Accordingly, seminars and demonstrations on advanced technologies in agriculture and allied disciplines such as Horticulture, Plant Protection, Crop Production, Agricultural Engineering, Animal Science, and Home Science were conducted by the scientists and technical staff working at the KVKs. Special lectures on organic/natural farming were also organized. Dr. H. M. Gajipara, DEE, JAU served as the Chief Guest during the inaugural ceremony.



Poshan Vatika Maha Abhiyan

The Poshan Vatika Maha Abhiyan and Tree Plantation programme were organized by all the KVKs of JAU in collaboration with IFFCO on September 17, 2022. Shri Narendra Singh Tomar, Union Minister for Agriculture & Farmers' Welfare, Government of India addressed the farmers via online mode during the event and highlighted various beneficiary schemes and flagship programmes operated by the central government. Several lectures on nutri-garden, bio-fortified varieties, and nutri-cereals were arranged for the benefit of the participating farmers. As a part of this event, vegetable seed kits and planting materials were also distributed to farm women.



Training on Ground Water Conservation

A Training on Ground Water Conservation was organized at KVK, JAU, Khapat on July 27, 2022. A lecture cum interaction session on groundwater conservation, its importance, contemporary needs were organized between farmers and scientists. About 100 participants remained present including staff.



Workshop on Natural Farming

A workshop on Natural Farming was organized at KVK, Khapat on August 22, 2022. On this occasion, a lecture cum interaction session on natural farming was organized. Shri Acharya Devvrat, Hon'ble Governorshri of Gujarat; Shri Rameshbhai Dhaduk, MP, Porbandar; Shri Babubhai Bokhiriya, MLA, Porbandar; other line department staff, press and media remained present. A total of 271 participants remained present and got benefitted.



Training programme on lumpy skin disease (LSD) management

To create awareness among the farmers and facilitate the management of lumpy skin disease (LSD) at farm level, a one-day virtual training programme was organized by KVK, Nanakandhasar on August 29, 2022. In this programme, Dr. R. P. Kalma, Sr. Scientist, KVK served as the guest speaker and discussed in detail about the disease, its prevention and control measures. Farmers were also advised to contact the members of the Task Force designated by the District Administration for the control of LSD.

Animal Treatment Camp for Lumpy Skin Disease

KVK, JAU, Targhadia organized animal treatment camp for lumpy skin disease in collaboration with Gopal dairy Rajkot in Khamta and Umrli villages of Rajkot district on July 28, 2022 and August 1, 2022, respectively. In this camp, 150 dairy animals were treated for lumpy skin disease.



SSK Activities

Training programmes

Sardar Smruti Kendra (SSK), Junagadh organized three on campus and one off campus training programmes benefitting 236 extension workers and farm women on latest technologies developed at the university for large-scale dissemination.

Exposure visits

The SSK facilitated 1195 farmers, farm women and students from different districts of Gujarat. The visitors were advised about new technologies and practices in agriculture along with visit to Krushi Darshnalay and SSK.

NSS Workshop

NSS Zonal Level Workshop

Programme Coordinator & Directorate of Students' Welfare, JAU organized the zonal level workshop of National Service Scheme during August 5-7, 2022. The inaugural function was presided by Dr. N. K. Gontia, Hon'ble Vice-Chancellor, JAU and Dr. Chetan Trivedi, Hon'ble Vice-Chancellor, Bhakta Kavi Narsingh Mehta University. The rangoli competition, drawing competition, rally etc. were organized based on the themes: organic agriculture, agriculture as a business, cybercrime awareness, contribution of freedom fighters of Saurashtra in independence movement, etc. About 200 NSS volunteers from 11 colleges had taken part in the workshop.



Gujarat Gyan Guru Quiz competition

Gujarat Gyan Guru Quiz was launched by Shri Bhupendra Patel, Hon'ble Chief Minister, Govt. of Gujarat on July 7, 2022. Every week, ten winners were declared at taluka, ward, school, and college levels. In the fourth week of G3Quiz, students of Polytechnic in Agro Processing participated in this event. Mr. Tanna Monark stood first out of ten winners at taluka level. In the seventh week of G3 Quiz again three students of

Polytechnic in Agro Processing got Rank- 1, Rank-2 and Rank -3. The winners were felicitated by Dr. R. M. Solanki, Director of Students' Welfare, JAU, Junagadh.



Monitoring of Seed production Programme and STR Scheme

Monitoring team constituted by ICAR-Indian Institute of Seed Science, MAU for the Western Zone visited JAU during October 28-29, 2022 to monitor the quality seed production and seed technological research of JAU, Junagadh. The team was headed by Dr. Rakesh K. Kapila, CSKHPKV, Palampur accompanied by Dr. Jawahar I., ICAR-IIOR, Hyderabad and Dr. Vinita Ramtekey, ICAR-IISS, Mau. The team expressed satisfaction with the excellent large scale seed production efforts made by the university. The team also monitored the seed technological research in online mode which is going on at JAU, Jamnagar.



Tree plantation

Tree plantation programme was organized at the Sagdividi Farm of Department of Seed Science and Technology as a part of *Azadi Ka Amrit Mahotsav* celebrations on July 28, 2022 under the Chairmanship of Dr. N. K. Gontia, Hon'ble VC. Dr. D. R. Mehta, DR; Dr. P. Mohnot, ADR; Dr. R. M. Solanki, DSW; Dr. C. D. Lakhani, Principal, PGIABM; and other JAU faculties remained present. A total number of 85 mango and 150 coconut saplings were planted.



Vocational Training on Unleash the Power Within

A Vocational Training on “Unleash the Power Within” was organized by DSW, JAU during September 5-10, 2022 under NAHEP-IDP. Lectures on skill development were delivered by Mr. Maulik Shah and Mrs. Sudha Shah, corporate trainers, Ahmedabad. A total of 440 students of CoA, Junagadh and Motabhandariya, CoH, Junagadh, and CAET, Junagadh participated in the training.



Medical Health Check up Camp

"Medical Health Check Up Camp" was organized by Directorate of Students' Welfare, JAU on July 30, 2022 at University Health Centre. Dr. Malhar Madariya (M.D.) examined students and faculties and gave necessary treatments.



e-FIR Awareness Programme

e-FIR awareness Programme was organized on July 30, 2022 by JAU, Junagadh and Office of the Superintendent of Police, Junagadh. The programme was inaugurated by Dr. N. K. Gontia, Hon'ble VC, JAU in auspicious presence of Shri Ravi Teja Vasamsetty (IPS), Superintendent of Police, Junagadh. Shri Vasamsetty briefed on cybercrime and Shri P.H. Mashru, PSI, SP Office, Junagadh created awareness about the e-FIR benefitting more than 500 students and faculties.



National Games Awareness

The 36th National Games awareness programme was organized by JAU, Junagadh and District Administration, Junagadh on September 15, 2022 at University Auditorium. In this programme, Hon'ble Member of Parliament, Shri Rajeshbhai

Chudasama remained present as the chairman of this function. Hon'ble Vice Chancellor, Dr. V. P. Chovatia welcomed the guests and participants. Shri Rachit Raj (IAS), Collector, Junagadh; Shri Rajeshbhai Tanna (IAS), Commissioner, JMC, Junagadh; Shri Ravi Teja Vasamsetty (IPS), Police Superintendent, Junagadh; Mrs. Gitaben Parmar, Mayor, JMC and other officers of JMC remained present on the occasion and inspired more than 500 students participants.

State Level Ras-Garba Competitions-2022

Sports, Youth and Cultural Activities Department-Gandhinagar, District Youth Development Officer and District Sports Officer Office-Junagadh organized the Ras-Garba Competition on September 21, 2022. Students of CoH, JAU, Junagadh participated in the competition and won first place in Ras and second place in Ancient Garba at district level. Winner team was invited to participate at State level Navratri Ras-Garba Mahotsav-2022 competition organized by District Youth Officer's Office, Ahmedabad on September 27, 2022.



Climate Change Youth Outreach Programme

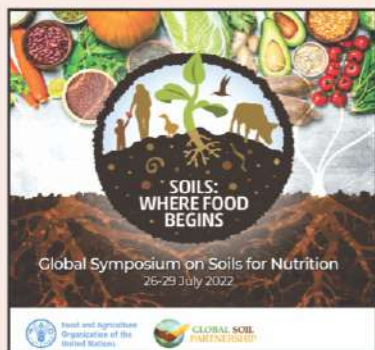
As a part of the 'Climate Change Youth Outreach Fortnight Programme' of the Climate Change Department, Government of Gujarat, several student competitions such as group discussion, elocution, essay writing, slogan writing, and innovative ideas were organized by all the Colleges and Polytechnics of JAU during September 27-30, 2022.



The events were conducted covering all major themes related to climate change including global warming, battery-operated vehicles, waste management, water recycling and so on. The UG and PG students actively participated in the competitions and the list of college-wise winners from each contest were submitted to the Climate Change Department, GoG.

Student's Poster in FAO Competition

The poster prepared by Ms. Gaytri Soni and Dr. S. G. Savalia of the Department of Soil Science, CoA, JAU, Junagadh on 'Effect of simulated soil salinity conditions and varieties of pigeon pea on growth yield and yield attributes' was ranked second in the Virtual Scientific Poster Contest on Global Symposium on Soils for Nutrition organized by the Food and Agriculture Organization of the United Nations (FAO), Rome under Theme: 01.



Placement Cell Activities

GATL on-campus placement drive

The Students' Counselling and Placement Cell (SCPC), CoA, JAU, Junagadh organized the on-campus placement drive of the GSFC Agro-Tech Pvt. Ltd. (GATL), Vadodara during September 6-7, 2022. The placement cell members of CoA, Amreli, CoA, Khapat and Polytechnic in Agriculture, Sidar also rendered support. In sum, 21 students from Diploma, UG and PG were selected for various positions such as Territory Executives, Junior Executives and Executive Officers fetching a median salary package of Rs. 2.12 lakh per annum.



Reliance Retail Placements

Five students of the academic batch 2018-22 from CoA, Junagadh, CoA, Amreli and PGIABM, Junagadh were selected for executive positions in the highly competitive off-campus placement drive of Reliance Retail facilitated by SCPC, CoA,

JAU, Junagadh. Earlier, 79 UG fresher graduates were shortlisted from the university followed by a rigorous selection process followed by final selection post telephonic interview. The selected students were offered a median salary of Rs. 3.75 lakh per annum.

Awards and Accolades

Global Eminent Teacher Award

Dr. J. B. Patel, Department of Seed Science and Technology, CoA, Junagadh received the 'Global Eminent Teacher Award' by VIJ Trust, Tamil Nadu for his outstanding services to teaching.



Best Seed Scientist Award

Dr. J. B. Patel, Professor and Head, Department of Seed Science and Technology, CoA, JAU, Junagadh was conferred the 'Best Seed Scientist' Award' by the Agri-Meet Foundation, UP, India.



Best Oral Presentation Award

Dr. Vijay K. Karangiya, Assistant Research Scientist, Cattle Breeding Farm, JAU, Junagadh received "Best Paper Presentation Award-2022 in Young Scientist Category" in the IX Annual Convention and National Seminar of the Society for Veterinary Science & Biotechnology (SVSBT) on "Recent Biotechnological Advances in Health and Management Practices to Augment Productivity of Livestock and Poultry" held during September 22-24, 2022 at Veterinary College and Research Institute, Tirunelveli, TANUVAS, Tamil Nadu.



Young Scientist Award

Dr. Sanjay K. Parmar, Assistant Research Scientist, Department of Plant Breeding, Pearl Millet Research Station, JAU, Jamnagar bestowed with "Springer Young Scientist Award" for oral presentation on "Pearl Millet Hybrid GHB 1129: Gujarat's First Effort To Combat Malnutrition Through Crop Biofortification" under the theme

Innovations in Nutritional Biochemistry and Biofortification in National Symposium on “Emerging Innovations in Plant Molecules for Achieving Food and Nutritional Security” organized by Department of Plant Molecular Biology and Biotechnology, ACHF, NAU, Navsari and Division of Biochemistry, ICAR-IARI, New Delhi in association with Society for Plant Biochemistry and Biotechnology, IARI, Pusa Campus, New Delhi which was held at NAU during September 22-23, 2022.



Best Poster Presentation Award

In the same symposium, Dr. Mayur Kumar Sonagara, Senior Research Fellow at Pearl Millet Research Station, JAU, Jamnagar presented his Ph.D. research work entitled “Genome-wide association study in eggplant improvement” and secured the Best Poster Presentation Award.

Best Oral Presentation Award

Dr. K. P. Baraiya, Senior Scientist and Head, KVK, Jamnagar secured the Best Paper Presentation Award in the Annual Zonal Workshop on KVKs of Gujarat, Maharashtra and Goa held at AAUU, Anand during July 7-9, 2022.



International B-Plan Championship

In the prestigious IX International B-Plan Championship organized by Makeintern and i5 Summit at IIM-Indore during August 18-19, 2022,

the students of PGIABM, JAU, Junagadh secured the 1st runner up (2nd Prize) trophy and a cash prize of Rs. 15,000 for their business plan presentation.



Superannuated Faculties/Staff

JAU Parivar Wishes All a Happy and Healthy Retired Life Ahead

No.	Name and Designation
July - 2022	
1	Dr. S. M. Upadhyay, Professor
2	Dr. K. B. Zala , Asso. Professor
3	D. V. Kapadiya, Agriculture Assistant
4	C. V. Bhimani, Agriculture Assistant
5	P. V. Vora, Office Suprentendent
6	H. D. Joshi, Senior Clerk
August - 2022	
1	Dr. D. L. Varmora, Asst. Professor
2	B. V. Kanjariya, Agriculture Assistant
3	R. K. Jadeja, Head Clerk
4	C. B. Rakhasiya, Pump Operator
5	K. K. Gamara, Chowkidar
6	B. V. Popat, Junior Instructor
September – 2022	
Nil	

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To

From

Directorate of Extension Education
Junagadh Agricultural University
JUNAGADH 362 001 (Gujarat)