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## Vice Chancellor's Desk



Liberalisation of Indian economy and world trade have thrown up new opportunities for diversification in the food processing sector and opened up new avenues for growth. India is one of the major food producers in the world and has abundant availability of wide variety of crops, fruits, vegetables, flowers, live-stock and seafood. Processed food exports of our country account for just 1% of world trade in this sector. At present the production of value-added products in India is 7%, however it is forecasted to grow upto 27% by 2025.

Earlier, food processing was largely confined to the food preservation, packaging and transportation, which mainly involved salting, curdling, drying, pickling, etc. However, over the years, with emerging new markets and technologies, the sector widened its scope. It started producing many new items like ready-to-eat food, beverages, processed and frozen fruit and vegetable products, marine and meat products, etc. The sector also includes establishment of infrastructure facilities like cold storage, food parks, packaging centers, value added centers, irradiation facilities and modernized abattoir, etc.

The competitive era, enjoyed in terms of raw material and labour, offers lucrative opportunities. However, poor perception of quality and the indifferent image of Indian products are preventing Indian food products to penetrate global markets in a big way. Production of high quality processed foods meeting international quality standards & regulations may open new frontiers for Indian food products. This will not only create a dynamic and competitive domestic food processing industry but will also enable India to become a major player in the global food market.

It is, therefore, imperative to introduce state-of-the-art technology in the food-processing sector to minimize post-harvest losses. It calls for a concerted attention to a few selected food products where India can develop a competitive edge over other countries. There should be technology upgradation, quality management, and firm adherence to export commitments. The institutions need to undertake both fundamental and applied research in view of the global demands.

## KRUSHI MAHOTSAV-2012 CATALYST FOR AGRICULTURAL GROWTH IN GUJARAT



### Inauguration of Krushi Mela by Hon'ble Chief Minister Shri Narendra Modi at Manavadar

Eighth Krushi Mahotsav, a massive and vibrant campaign for the dissemination of agricultural technologies was inaugurated by Hon'ble Chief Minister of Gujarat, Shri Narendra Modi with great joy in the huge presence of farmers of Saurashtra and dignitaries at Manavadar town of Junagadh district on May 6, 2012. During the inaugural address, Hon'ble Chief Minister pointed out that Gujarat has maintained a growth rate of around 11% for which he greeted the farmers and felicitated progressive farmers and awarded Sardar Patel Krishi prizes. The dedicated efforts of agricultural scientists and officers of line departments were appreciated by Hon'ble Chief Minister Shri Narendra Modi.

He also dedicated the buildings of College of Veterinary Science & Animal Husbandry and Indoor Sports Complex of Junagadh Agriculture University.

While addressing the farmers, Hon'ble Minister of Agriculture, Shri Dileep Sanghani gave numeric details of rise in the productivity of various crops. He also outlined the state government's initiatives and achievements in the field of animal husbandry and dairy industry. MLA & President, Gujarat BJP, Shri RC Faladu; MP (Rajyasabha) Shri Purushottam Rupala; Minister of State for Agriculture Shri Kanubhai Bhalala and Minister of State Shri Vasanthbhai Ahir addressed the farmers on this occasion. State Planning Commission Chairman Shri Bhupendrasinh Chudasama, Shri L.T.Rajani, Shri Vijay Rupani, Shri Mohan Patel, Shri Madhabhai Boricha, Mrs. Jyotiben Vachhani, Collector Shri Manish Bhardwaj, DSP Shri Dipankar Trivedi, MLA Shri Mahendrabhai Masharu, University officers and farmers in large number were present on the occasion.



**Shri Narendra Modi, Hon'ble Chief Minister flagged - off Krushi Rath at Manavadar**

Shri Narendra Modi, Hon'ble Chief Minister of Gujarat flagged off the *Krushi Rath* on May 6, 2012 in August presence farmers of Saurashtra. The *Krushi Rath* equipped with farm related technologies display, literature exhibits and audio visual documentaries which was taken to the villages of Saurashtra. This year the cluster approach found very successful for interaction regarding agricultural technology with farmers. Agricultural scientist, development agencies progressive farmers and farming community as a whole came closer to each other.

**Activities in Brief:** During Krushi Mahotsav-2012 (May 6 - June 5, 2012) following activities were accomplished in seven districts of Saurashtra.

No. of farmers attended khedut shibirs	: 420610
No. of farmers personally guided scientists	: 66782
No. of farmers guided on marketing by APMC	: 19063
Distribution of Agriculture Kits	: 30026
Distribution of Horticulture Kits	: 26601
Distribution of Animal husbandry Kits	: 22653
Distribution of Soil health cards	: 96254
Collection of soil samples	: 76133
Water conservation work	: 14337
No. of cattles Vaccinated	: 1454457
Milk producers co-operatives Registration	: 385
Distribution of tree saplings	: 249231

(Source: *Krushi Mahotsav Ahewal-2012*)

### SEMINARS during KRUSHI MAHOTSAV- 2012

Four special seminars were organized during *Krushi Mahotsav* on various subjects and at various places

#### SEMINAR-1



**Dr. NC Patel, Hon'ble Vice Chancellor addressing the participants**

Dr. NC Patel, Hon'ble Vice Chancellor addressed the participants of seminar on Cultivation in salt affected soil: Challenges and remedies (*Kshariy Jamin ma Kheti: Antarayo ane Upayo*) organized on May 6, 2012 at



**Release of documentaries and publications on agricultural technologies**

Eight Audio visual documentaries on various agricultural technologies viz, High-Tech Agriculture, Water Conservation, Dry Farming, Bio Fertilizers & Manures, Integrated Disease & Pest Management, Care of Milking Animals, Value Addition in Agril Produce were released by Hon'ble Chief Minister, Shri Narendra Modi which were distributed to all the 4700 villages of Saurashtra region. Four Gujarati publications viz. *Jamin nu Amrut* (necter of soil), *Telibiya pako ni kheti* (Cultivation of oilseed crops) and *Pak Sanrakshan* (Crop protection) and *Krushi Kranti na Path Darshak Kheduto* (Farmers: agricultural revolution pilotman) were also released.

*Krushī Mela*, Manavadar. Dr. JD Gundalia, (Rtd) Scientist and other scientists of JAU discussed various aspects of salt affected soil and cultivation of crops in it.

### SEMINAR-2



*Seminar inaugurated by Dr MN Popat, ADEE at KVK, Khapat*

Special seminar for women was organized at KVK, Khapat on Value addition in agril produce and scientific methods of grain storage (*Krushī Pedasho ma Mulya Vardhan ane Anaj Sangrah ni Vaignanik Rito*) on May 22, 2012. Dr. MN Popat, ADEE, JAU inaugurated the seminar. Lectures and demonstration on preparation of fruit/ vegetable products, bakery and methods of grain storage were delivered by scientists.

### SEMINAR-3



*Dr AM Parakhia, DEE addressing participants of seminar at KVK, Jamnagar*

Seminar on Soil Improvement & Importance of Micro Nutrients in Crop Production (*Pak Utpadan ma Jamin Sudharana ane Shukshma Tattvo ni Agatyata*) was organised at Krushi Vigyan Kendra, JAU, Jamnagr on May 25, 2012. Dr. AM Parakhia, Director of Extension Education, JAU inaugurated the seminar.

### SEMINAR-4



*Seminar inaugurated by Dr AM Parakhia, DEE at KVK, Amreli*

Seminar on Cultivation of various crops in Net/Poly houses (*Net House ane Poly House ma Vividh Pako ni Kheti Padhatio*) organized at Krushi Vignan Kendra, Amreli on May 30, 2012.

### KRUSHI MAHOTSAV : Orientation Programme for university scientists

More than 300 scientists of JAU participating in *Krushī Mahotsav* were updated with the information on various

technologies in the Orientation camp. This program of scientific churning held on April 24, 2012 at JAU.



*Dr. NC Patel, Hon'ble Vice Chancellor addressing scientists at Orientation Training Programme for Krushi Mahotsav-2012 held at JAU, Junagadh on April 24, 2012*



*Dr. NC Patel, Hon'ble Vice Chancellor Addressed farmers during Krushi Mahotsav at Kathrota village on May 9, 2012*

## RESEARCH

### Release of New Varieties

Four new varieties/hybrids recommended for farmers during 8<sup>th</sup> combined joint AGRESCO of four SAUs during April 19 to 21, 2012.

### SESAME: Gujarat Til-3

This variety is recommended for farmers of Saurashtra region growing sesame under summer season gives seed yield of 1200 kg/ha. The seeds of G.Til-3 variety are white and bold containing 47.3 per cent oil which is suitable for export.



*Gujarat Til-3 : New variety of Sesame*

### Brinjal: Gujarat Junagadh Brinjal-3 (GJB-3)

This variety of brinjal is suitable for late *kharif* (15th August to 15th September) season, yields 393.9 q/ha fruits. The fruits are medium to big in size and oval shaped with green colour and good shining. Fruit pulp is creamy white with less seed. The plants are medium in size and semi spreading. The variety is relatively tolerant to little leaf disease and jassid compared to check varieties viz., JBGR-1 and GOB-1.



**Gujarat Junagadh Brinjal-3 (GJB-3) : New variety of Brinjal**

**Indian Bean (Papdi): Gujarat Junagadh Indian Bean-2 (GJIB-2)**

This is very important variety of papdi for the farmers of Saurashtra and middle Gujarat, growing Indian bean (Papdi) during late kharif (15th August to 15th September) season. The green pod yield is 112.5 q/ha. The pods of this variety are flat and medium long in shape with green colour. The immature seed colour is light green and inflorescence length is more as compared to Gujarat Papdi-1. Leaf spot and leaf blight disease intensity are less than Gujarat Papdi-1.



**GJIB-2 : New variety of Indian Bean (Papdi)**

**Ridge Gourd: Gujarat Junagadh Ridge Gourd Hybrid-1 (GJRGH-1)**



**GJRGH-1: New variety of Ridge Gourd**

This variety is recommended for farmers of Saurashtra and Middle Gujarat, growing ridge gourd during kharif season. This is a first public sector ridge gourd hybrid developed at Junagadh, yields 113.30 q/ha fruit which are long in size with green colour. It is moderately resistant to downy mildew and major pests.

**3rd Group Meeting of All India Network Research Project on Onion and Garlic**

Third Group Meeting of All India Network Research Project on Onion and Garlic was Jointly organized by Directorate of Onion and Garlic, Pune & JAU, Junagadh during June 22-23, 2012 at JAU, Junagadh. The meeting was inaugurated by Shri Dileep Sanghani, Hon'ble Minister of Agriculture, Gujarat. Dr NC Patel, Hon'ble Vice Chancellor, JAU presided over the function. Dr. KE Lawande, Hon'ble Vice chancellor, BSKKV, Dapoli (Maharashtra) was the Chief Guest and Shri Kanubhai Bhalala, Hon'ble State Minister of Agriculture was the Guest of Honour in the function. Dr. BS Dhankar, Ex. ADG (VC) & Member of RAC, DOGR; Dr. PS Naik, Director, IIVR, Dr. B Singh, Project Co-ordinator (VC), IIVR, Dr. UB Pandey,



**Inauguration of Group Meeting by Shri Dileep Sanghani, Hon'ble Minister of Agriculture, Govt. of Gujarat**

Ex. Director, NHRDF, Dr. P Kalia, Head, Division of Vegetable Science, IARI, New Delhi were the special guests in the meet.

Total 68 scientists and 4 members of private companies from 14 states participated in the meet. Various issues related to onion and garlic like results of germplasm management, varietal, production, insect & pest management and disease management trials, etc. were presented and discussed for favour of approval.



**Release of book "Research Recommendation on onion and garlic"**

**State-level Seminar on Aquaculture in Gujarat: Status, Prospects and Challenges**



**Dr. NC Patel, Hon'ble Vice Chancellor, inaugurated the Seminar on Aquaculture in Gujarat: Status, Prospects and Challenges**

A State-level Seminar on "Aquaculture in Gujarat: Status, Prospects and Challenges" was organized by College of Fisheries, JAU Veraval in association with Gujarat Council

of Science and Technology (GUJCOST), Gandhinagar and Shrimp and Fish farmers of the Gujarat state on May 31, 2012. Dr. NC Patel, Hon'ble Vice Chancellor of Junagadh Agricultural University presided over the function and Smt. Manjulaben Gohel, President of the Veraval-Patan Joint Municipality was the chief guest. Shri Lakhambhai Bhensla, Director, Sea Food Exporters' Association (Gujarat region), Shri Riteshbhai Fofandi, fish exporter, Shri Bhagubhai Solanki, President of Fishermen Community of Jafrabad, Dr. Badoniya, Scientist-in-charge, CIFT-Veraval, Dr. M Koya, Scientist-in-charge, CMFRI-Veraval and Dr. AY Desai, Principal and Dean, College of Fisheries, Veraval remained present as the guests of honour.

On this occasion, an exhibition of aquaculture products covering feeds, a shrimp seed and chemicals was organized. Fish and shrimp farmers, leading industrialists in fisheries sector, seven private sector companies, officers from state and central government agencies and students participated in this seminar. A souvenir with relevant articles was released during the inaugural session.

During the programme, progressive fish and shrimp farmers and entrepreneurs were felicitated for their dedicated services and perseverant efforts in development of Aquaculture sector in Gujarat.



**Smt. Manjulaben Gohel, President, Veraval-Patan Joint Municipality inaugurating exhibition**



**Dr. NC Patel, Hon'ble Vice Chancellor, JAU, Junagadh visiting exhibition**

### **Pre-Kharif Workshop of NAIP Project**

The Pre-Kharif workshop of NAIP Project on "Establishing and Networking of Agricultural Market Intelligence Centres in India", organized by Agricultural Market Intelligence Centre, Department of Agricultural Economics, JAU, Junagadh during June 26-29, 2012. The programme was



**Inauguration of Workshop by Dr. NC Patel, Hon'ble Vice Chancellor, JAU, Junagadh**

inaugurated by Dr. NC Patel, Hon. Vice Chancellor, JAU, Junagadh. He highlighted the importance of price forecasting to the farming community and appreciated the excellent work reported by the consortia partners. Dr. CJ Dangaria, Director of Research and Dean, PG Studies, JAU, Junagadh, Dr. N Ajjan, Director CARDS & CPI and Dr. N Raveendran, National Consultant, Coimbatore addressed 30 participants from nine states of India.

### **Varsha Vigyan Parisamvad**



**Shri Kanubhai Bhalala, Minister of Agriculture (State), Govt. of Gujarat Inaugurated Varsha Vigna Parisamvad**

One Day Seminar on "Varsha Vigyan" held at JAU, Junagadh on June 8, 2012. Traditional weather forecasters discussed various aspects of monsoon in presence of Shri Kanubhai Bhalala, Hon'ble Agriculture Minister (State), Government of Gujarat and Dr. NC Patel, Hon'ble Vice Chancellor, JAU, Dr. AM Shekh, Hon'ble Vice Chancellor, AAU and Dr. MC Varshney, Ex-Vice Chancellor of AAU.

### **Swasthya Parisamvad**

Seminar on Health (*Swasthya Parisamvad*) was organised jointly with Indian Medical Association and JAU at University Auditorium on June 10, 2012, where many families of JAU and Junagadh city attended the lectures on "Cholesterol ni Kagarol" & "Mummy's Lunch Box" by Dr. Piyush Matalia, Eye Surgeon, Jamnagar and "Tel juvo, tel ni dhar juvo" by Prof. VM Bhatt, JAU, Junagadh.

### **Scientific Advisory Committee Meeting of KVK**

Seventh Scientific Advisory Committee Meeting was organized on April 11, 2012 to review the annual progress of

the year 2011-12 and to finalize action plan for the year 2012-13 of Krushi Vigyan Kendra, Khapat (Porbandar) Dr. NC Patel, Chairman and Hon'ble Vice Chancellor, JAU, Junagadh, Dr. IU Dhruj, Associate Director of Research, Dr. MN Popat, Associate Director of Ext. Education, JAU, Junagadh and members of SAC from different line departments and invitee farmers, farm women and media persons remained present in the SAC meeting. The annual progress report of year 2011-12 and annual action plan for the year 2012-13 were presented By Mr. RK Odedra, PC, KVK, Khapat and thoroughly discussed.



**Dr. NC Patel, Hon'ble Vice Chancellor, JAU inaugurated Seventh SAC Meeting at KVK, Khapat**

## SPECIAL LECTURES

### Motivating Women Scientists and Girl Students



**Dr. Audilaxmi interacting with Women Scientists and Girls students of JAU**

Dr. Audilaxmi, Principal Scientist, Directorate of Sorghum Research, Hyderabad and the winner of the ICAR Punjabrao Deshmukh Outstanding Women Award-2010 visited JAU on April 07, 2012 as a part of post award programme of motivating women scientists, PG and UG Girl students. The programme was co-ordinated by Dr. Chetanaben Mandavia, Professor and Head, Department of Genetics and Plant Breeding, JAU, Junagadh. Thirty students participated in the Essay Competition on 'Women in Science and what are the obstacles faced by them?' Three prizes were given. Women scientists and girl students were highly motivated during active interaction with Dr. Audilaxmi by listening to the balance she made among social, family and professional duties.

### Agricultural R&D in the field of Bioactive Natural Products



Dr. Suresh Walia, Professor and Principal Scientist, Division of Agricultural Chemicals, IARI, New Delhi and awardee of ICAR "Bharat Ratna Dr. C Subramanian Award for Outstanding Teachers (2010) delivered a lecture on Agricultural Research and Development in the field of Bioactive Natural Products on April 19, 2012 at Department of Biotechnology, J.A.U., Junagadh.

## RECOGNITION



Dr. NC Patel, Hon'ble Vice Chancellor is nominated as the Director (Awards) in the Activity Council of Indian Society of Agricultural Engineers, New Delhi for the period of 2012 to 2015.



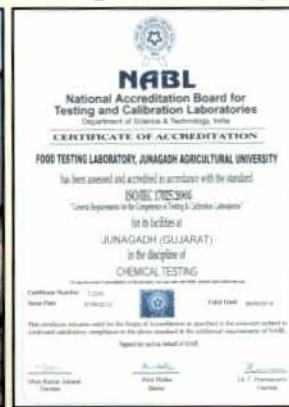
Dr. BB Kabaria, Programme Coordinator, KVK, Targhadia receiving "GAURAV VANDANA" certificate awarded by the Holly Hands of Pujya Moraribapu honoured by

Ramkatha Seva Samitee, Rajkot for his contribution to agricultural welfare for farming communities in rural areas.



Dr. NJ Rankja was appreciated by the Nodal Officer of Gujarat, All India Survey on Higher Education, New Delhi & Commissioner of Higher Education, Gandhinagar for being first to upload information about JAU under All India Survey on Higher Education, Ministry of Human Resource Development, New Delhi.

### NABL accreditation of Food Testing Laboratory



The Food Testing Laboratory (FTL) at JAU, Junagadh, first of its kind providing professional interface to public and private sectors. The laboratory has been given the NABL accreditation. Exporters, progressive farmers, traders, industrialist and other agricultural related professionals of Saurashtra region will be benefitted by this lab certificate/test report which will be accepted internationally with the standard ISO/IEC 17025:2005.

## New Agro processing Center



**Inauguration of Agro Processing center at Virol by Dr. NC Patel, Hon'ble VC, JAU, Junagadh**

A new Agro Processing Center was inaugurated by Dr. NC Patel, Hon'ble Vice Chancellor, JAU at Virol village (Ta: Mangrol, Dist: Junagdh) on June 26, 2012 under the All India Coordinated Research Project on Post Harvest Technology. Dr. NC Patel, Hon' Vice Chancellor pointed out that by APC, producer becomes processor. Dr. IU Dhruj, ADR, JAU, emphasized on the need to utilize research done by scientists for the betterment of farmers.

### EXTENSION

Bi-monthly Workshop under Training & Visit Scheme was organized on June 5-6, 2012 by Directorate of Extension Education.

### Pre-Kharif Training Programme For Extension Personals of Surendranagar District

Total 81 extension workers comprising Gram sevek, Extension officers, ATMA team and NGO's workers of Surendranagar district attended Pre-Kharif Training Programmes to avail the latest scientific agricultural technology, at Krushi Vigyan Kendra, JAU, Nana-Kandhasar on June 25, 2012. Shri RR Sondarava, D.A.O., Surendranagar advised the participants about updating the knowledge to serve better.

### Participation in district level Exhibition

KVK, Khapat participated in District Level Exhibition at Shrinagar village of Porbandar district on May 6, 2012 through stall having charts, books, pamphlets, live specimens etc. All the dignitaries, Govt. officials and a large number of farmers visited and appreciated the stall.



### Training-cum-visit of officers of Karnataka State

Officers of agriculture and line department from Karnataka State visited JAU on April 16, 2012. Dr. AM Parakhia, DEE interacted with them and highlighted various activities of Junagadh Agricultural University.

## Adventure

### Basic rock climbing camp



**Dr. PV Patel, DSW, Dr. AV Barad, Principal, and Mr. Dhirubhai Purohit, Journalist with participants**

Forty one student (31 boys + 10 girls) of different colleges and Polytechnics of this university participated in the Basic Rock climbing camp organized by the Pandit Dindayal Upadhyay State Mountaineering Institute, at Mount Girnar, Junagadh during the June 16 to 25, 2012. Dr. PV Patel, Director, Students Welfare, Dr. AV Barad, Principal, College of Agriculture and Mr. Dhirubhai Purohit, Dist. Reporter, Sandesh News Paper motivated the participants of the camp. Students shared their experiences to the dignitaries during their visit to the camp.

### Mega Summer Camp



Two NSS volunteers from College of Agricultural Engineering & Technology, JAU, Junagadh were selected who participated in Mega Summer Camp organized by Ministry of Youth Affairs & Sports, Govt of India at Andhra University, Visakhapatnam during June 6-17, 2012.

### State level Camp for the outstanding NSS volunteers



**Students of JAU at State level NSS camp at Gandhinagar**

A state level camp for the outstanding NSS volunteers was organized by Pandit Dindayal Petroleum University, Gandhinagar, during June 4-6, 2012. In this camp total 8 NSS volunteers (6 Boy + 2 Girl) one each from all colleges and Polytechnics of JAU participated.

## NEWS in BRIEF

### Educational Tour

Educational Tours of College of Agriculture, JAU, Junagadh and College of Fisheries, JAU Veraval were conducted during April 18 to May 8, 2012.

### Students Counseling and Placement

During June, 2012, Five on campus interviews were organized by various companies dealing with agril inputs. The students of Polytechnic also got placement. Diploma (Agri) pass outs of Halvad School were selected by Champion Agro Limited and John Deere.

### Meeting of Alumni Association of CoA, Junagadh

The College of Agriculture Alumni Association (CAAA) celebrated the Golden Jubilee year-2012 of College of Agriculture, Junagadh on April 14, 2012. Large number of ex-students participated and exchanged feelings and memories of glorious past of their student life. The retired teachers were invited and honoured by alumni association.

### Cultural Programmes



*Farewell function 'Sparsh, the Ultimate Touch-2012' of students of CAET on April 11, 2012*

Farewell Function "SPARSH, THE ULTIMATE TOUCH" of final year B.Tech & M.Tech (Agril. Engg.) outgoing batch 2012 was organized on April 11, 2012 by students of CAET. In the morning session, the students were awarded Prizes and Certificates for their outstanding contribution in various fields by Dr. PV Patel, DSW. The afternoon session was embellished by Dr. NC Patel, Hon'ble Vice Chalcellor, Dr. CJ Dangaria, Director of Research and Dean P.G. Studies, Prof. JB Savani, Principal & Dean, College of Agricultural Engineering, Dr. AV Barad Principal & Dean, College of Agriculture, Dr. KA Khunt, Principal, PGIABM.

Annual Day of College of Agriculture was celebrated as COLOURS OF YOUTH-2012 by students with great spirit of joy and artistic performance on April 8, 2012. Dr. NC Patel, Hon'ble Vice Chancellor inaugurated the function and



*Annual Day function 'Colours of Youth 2012' of students of College of Agriculture celebrated on April 8, 2012*

advised the students to make the life colourful. Dr TL Dholaria, Alumnus of this college and Director, Solar Agrotech Pvt Ltd, Rajkot congratulated students for their remarkable performance in extracurricular activities.



Foundation stone of boys hostel for U.G. and P.G. students laid by Shri Dileep Sanghani, Hon'ble Minister of Agriculture on June 22, 2012.

### Book Post

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

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