



## Vice Chancellor's Desk



Indian Agriculture has made enormous strides in the past 60 years, raising food grains production from 50 million tonnes to more than 200 million tonnes. The country has progressed from a situation of food shortages and imports to surplus and exports. To meet the potential challenge of catering to the food need of 1.4 billion people of our country by 2025, a quantum increase in agricultural productivity is very much essential and hence production and distribution of high quality seeds of improved varieties / hybrids to the farming community are becoming increasingly important.

Quality seed acts as a catalyst for realizing the potential of all other inputs without which the investment on all others inputs such as fertilizer, water, pesticides will not pay desired dividends to the farmers. Use of quality seeds alone could increase 20-25 per cent of the yield.

The seed programme includes the participation of state government, ICAR-SAU system, public sector, cooperative and private sector institutions. With the best efforts of all these organized sectors, only 15-20 per cent of the total requirement of quality seed is being met with. In most kind of seeds, the farmers depend on their own farm saved seeds for crop production. As the quality deteriorates during subsequent generations the old seed must be replaced with fresh lots of quality seeds. Ideally seed should be replaced every year for hybrids and every three to four years for stable varieties. Therefore, it is necessary to improve the availability of quality seeds to raise the Seed Replacement Rate (SRR). Despite implementation of the organized seed programme, the seed replacement rate has only reached 15 per cent and there exists an alarming gap between the demand and supply of quality seeds. The distribution of high volume low value seeds such as rice, oil seeds and pulses are still with the public sector organization. The non-availability of quality seeds in oilseeds and pulses is one of the main reasons for their lower seed replacement rate.

Government of India has framed and brought out different legislations to protect the quality of seeds and planting materials. These laws are framed in order to make available quality seeds to a common farmer and equip him to approach authority for justice.

Looking to the importance of quality seed and creation of awareness with respect to quality seed, the scheme "Establishment of Department of Seed Science & Technology" was sanctioned in the year 2008 by Government of Gujarat at Junagadh Agricultural University, Junagadh. Later on with effect from 01/09/2012, an independent Department of Seed Science and Technology (DSST) was established. The scheme of Mega Seed Project entitled "Seed Production in Agriculture crops and Fisheries" initiated in 2005-06 at 85 centers across India and JAU is one of the centers was also put under the control of DSST along with 77.78 hectares of separate farm (Sagvidi Farm) to fulfill the objectives of providing reliable quality seed directly to the farmers, stepping towards self-sustenance vis-a-vis giving impetus to the quality education and research in the field of Seed Science and Technology. I am confident that the newly established DSST will amicably establish linkages with the cooperating centers of the university, other stakeholders and organizations to achieve commendable success in seed science research, education and extension and ultimately production and distribution of quality seed to achieve the goal of increasing agricultural productivity and production in Gujarat and the nation.

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### Photograph

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### Publisher

Director of Extension  
Education  
Junagadh Agricultural  
University  
Junagadh 362 001.  
Phone : 0285-2672080-90  
PBX : 341, 491  
Fax & Ph.: 0285-2672653,  
0285-2671669  
email : newsletter@jau.in  
jaunewsletter@gmail.com

## Launching of LIFE Programme



*Shri Narendra Modi, Hon'ble Chief Minister, Gujarat launched LIFE project of JAU on August 14, 2012*

Shri Narendra Modi, Hon'ble Chief Minister, Gujarat, launched LIFE (Live Interaction with Farmers through Electronic media) project on August 14, 2012 in presence of ministers, vice chancellor, scientists of JAU and progressive farmers of Junagadh District at Auditorium, JAU, Junagadh. This programme aims at providing video conferencing between farmers at village and scientists at University through exhibition van equipped with AV aids and net connected devices. Live interaction between farmers and agricultural scientists will make the communication more effective.

### Visitors



*Shri Kanubhai Bhalala, Hon'ble State Agriculture Minister; Dr. NC Patel, Hon'ble Vice Chancellor and University Officers visited RTTC farm*

Shri Kanubhai Bhalala, Hon'ble State Agriculture Minister, Dr. NC Patel, Hon'ble Vice Chancellor and University Officers encouraged scientists of "Centre of Excellence on Soil and Water Management" by visiting cotton research experiment on "Effect of different kinds of mulching and level of irrigation on performance of cotton" at RTTC farm on August 9, 2012.



*Shri SK Patel, Under Secretary and Dr. PP Patel, visited RTTC farm*

Shri SK Patel, Under Secretary, Department of Agril. & Co-operation, Gandhinagar, Dr. NC Patel, Hon'ble Vice Chancellor, Dr. PP Patel, Associate Professor, Council of Agril. Universities of Gujarat, Gandhinagar visited RTTC farm on September 1, 2012 and appreciated experimental results on plastic mulching in cotton crop. They felt that the outcome of investigation will benefit to our valued farming community.



*Shri AK Joti, Chief Secretary, Govt. of Gujarat was welcomed by Dr. NC Patel, Hon'ble Vice Chancellor*

Shri AK Joti, Chief Secretary, Govt. of Gujarat visited JAU on July 6, 2012. He appreciated the various research activities going on in the University for betterment of farmers.

### AWARDS



*Dr. NC Patel, Hon'ble Vice Chancellor honoured by Ms. Anuradha Prasad, Joint Secretary, MFPI during 4th National R & D Workshop organized by MFPI and FICCI*

Dr. NC Patel, Hon'ble Vice Chancellor was honoured with "A Grove of 15 Trees at the Periphery of Kumbhalgarh Sanctuary, Udaipur, Rajasthan" during 4<sup>th</sup> National R & D Workshop in Food Processing Sector jointly organized by Ministry of Food Processing Industries, Govt. of India and Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi on September 27, 2012 at Hyatt Regency, Mumbai.



*International Red Cross Society, Ahmedabad appreciated JAU Thalassaemia Prevention Programme*

Shri Nileshbhai Bharatiya, Thalassaemia Project Officer, Indian Red Cross Society, Ahmedabad presented a trophy and certificate to Dr. NC Patel, Hon'ble Vice Chancellor for contribution of JAU in Thalassaemia Prevention Programme. on September 7, 2012 at Auditorium, JAU, Junagadh in presence of Dr. DP Chikhalia, Vice President of IMA.



*Interaction Meet Delegation from PAU with scientists and officers of JAU on July 16, 2012*

A delegation from Punjab Agricultural University, Ludhiana visited JAU, Junagadh during July 15-19, 2012 for discussion on MoU and collaborative programmes between both the agricultural universities. The delegation comprised of Dr. Gursharan Singh, Dean, PG Studies, Dr. Sandeep Kapur, Head, Deptt. of Business Management, Dr. YP Sachdeva, Professor, Business Management and Dr. OP Gupta, Dy. Director, School of Electrical Engineering & IT, PAU, Ludhiana. The delegation visited various departments and research stations of JAU, interacted with University officers and scientists of JAU. Live video conference with Dr. BS Dhillon, Hon'ble Vice Chancellor and other officers of PAU was also conducted with Hon'ble Vice Chancellor of JAU and University officers.

### National Training Programme



*Dr. AM Parakhia, DEE, JAU inaugurated National level training programme on Managerial Skills for Extension Personnel*

National level training program on "Managerial Skills for Extension Personnel" jointly organized by JAU and MANAGE, Hyderabad during July 16-20, 2012. Thirty candidates from Rajasthan, Tamil-Nadu, Madhya Pradesh, Punjab and Gujarat participated in the training. Dr G. Jaya, Dy. Director, MANAGE, Hyderabad & Course Coordinator, conducted the training. Dr. AM Parakhia, DEE, JAU inaugurated the programme.



*Dr. AK Mishra delivering lecture on Art of Success in Life & Orientation for Civil Services to the students and staff of JAU on September 4, 2012*

A special lecture of Dr. AK Mishra, Managing Director, Chanakya IAS Academy, New Delhi on Art of Success in Life & Orientation for Civil Services was organized on September 4, 2012 at Auditorium, JAU, Junagadh. All the members of staff and students attended the lecture. Dr. Mishra provided in-depth knowledge and valuable information on preparation of civil services examinations.



*Mr. Rajesh, IAS addressing the students of JAU on Innovative Management*

A special lecture on "Innovative Management" by Mr. Rajesh, IAS was organized at College of Veterinary Science & Animal Husbandry on August 22, 2012. He shared his thoughts on some traditional innovative ideas and skills which need to be implemented in society.

### Development



To fulfill the objectives of seed research, education and seed production & distribution, New Department of Seed Science & Technology was sanctioned by the Government of Gujarat under scheme entitled "Establishment of Department of Seed Science and Technology" at JAU Junagadh. The seed aspect of the scheme of Mega Seed Project and Sagdividi farm are now put under the control of Department of Seed Science and Technology with effect from September 1, 2012

## Trainings



*Training on Basic SAS and its Application*

Training on Basic SAS and its application, for faculty-members of Agriculture College was organized by Department of Agricultural Statistics, JAU, Junagadh during July 25-27, 2012 with the aim to create awareness for using statistical software SAS.



*Training programme on "Cottage Level Food Processing Entrepreneurship for Farmers" at KVK, Targhadia*

The training programme on "Cottage Level Food Processing Entrepreneurship for Farmers" was organized jointly by KVK, Targhadia and Indian Institute of Crop Processing Technology, GOI, Thanjavur (TN) on September 7, 2012 with the aim to impart enhanced knowledge and skills to the participants about the improved practices of food processing and value addition and to develop entrepreneurship skills among the participants. Total 133 farmers, farm women, SHGs and entrepreneurs attended the training.



*Dr. NC Patel, Hon'ble Vice Chancellor addressing participants of Training Programme at KVK, Targhadia*

The In-service training programme for Extension Functionaries on "Importance of Animal Husbandry during Scarcity in Agriculture" was organized for AI (Artificial Insemination) workers of Rajkot District on July 13, 2012. While addressing 35 participants, Dr. NC Patel, Hon. Vice Chancellor, JAU, emphasized on gaining latest knowledge to apply in the field of Animal Husbandry.



*Training on Modern Cultivation Method of Cotton and Efficient Water Management*

Farmers' training on "Modern Cultivation Method of Cotton and Efficient Water Management" was jointly organized by Research Scientist (Agri. Engg) and Research Scientist (Cotton) on September 1, 2012 at RTTC, JAU, Junagadh. Dr. NC Patel, Hon'ble, Vice Chancellor advised farmers to adopt modern methods of cultivation

to generate more income, to make efficient water management for sustainable cotton production and to adopt value addition in cotton. Total 45 progressive farmers from different areas of Saurashtra region participated in this training.



*Training & Workshop on sustainable and scientific cultivation in coastal area*

A training and workshop on sustainable and scientific cultivation in coastal area was organized by Coastal Salinity Prevention Cell and JAU for Agriculture Officers of Ahmedabad District at SSK, JAU, Junagadh on July 2, 2012.



*Dr. NC Patel, Hon'ble Vice Chancellor, JAU addressing extension functionaries associated with cotton technology at Farmers Training Centre (Dept. of Agri., Govt. of Gujarat), Rajkot*

Inauguration of Season Long Training Programme (July 12 to November 22, 2012) under Cotton Mini Mission was organized by Dy. Director of Agriculture (Training) at Farmers' Training Centre, Rajkot on July 13, 2012. VLW and Extension Officers of Department of Agriculture from Gujarat state who are associated with dissemination of technologies on cotton cultivation participated in the programme. Dr NC Patel Hon'ble Vice Chancellor, JAU inaugurated the programme. Officers of Agriculture department and Scientists of JAU, Targhadia shared the updation in cotton technology.



*Training Programme for Young Farmers of Saurashtra Region on Agriculture and Animal Husbandry*

Training Programme for Young Farmers of Saurashtra Region on "Agriculture and Animal Husbandry" was jointly organized by GSFC Ltd., Vadodara and JAU, Junagadh during July 19-21, 2012 at SSK, JAU, Junagadh. Total 45 young farmers of Saurashtra region participated in the training. Dr. NC Patel, Hon'ble Vice Chancellor, JAU inaugurated the programme.



*Inauguration of training programme for farmers jointly organized by IFFCO and JAU, Junagadh*

Training Programme for Farmers from Saurashtra region was jointly organized by IFFCO and JAU, Junagadh during September 24 - 27, 2012 at SSK, JAU, Junagadh. Total 40 farmers from Junagadh, Amreli, Bhavnagar and Porbandar District participated in the training.



*Mrs. Indiraben Patel, President, Krushi Parivar Mahila Mandal, JAU, Junagadh inaugurated Computer Training Course*

With a view to making the wives of JAU staff members computer literate, a computer training programme was organized by the University from September 25 to October 1, 2012. Mrs. Indiraben Patel, President, *Krushi Parivar Mahila Mandal* inaugurated the programme. Dr. NC Patel, Hon'ble Vice Chancellor, in his Presidential address indicated the importance of computer in life and asked the participants to continue the use of computer at home. Total 34 women participated in the training.



*Bi monthly Training Programme for Extension Functionaries on August 8-9, 2012*

Bi monthly Training Programme for Extension Functionaries of Department of Agriculture under T & V scheme was jointly organized by Department of Agriculture and JAU, Junagadh on August 8-9, 2012.

### Center of Communication



*Activities of Center of Communication*

Centre of Communication scheme is being run by Directorate of Extension Education, JAU with the aim to impart training to farmers and farm women at village level along with demonstration of technologies. Telephone Directory of Agril. Scientists, *Krushi Gyan no Khajano* (Treasure of Agri Knowledge, set of 16 booklets) and *Magafali ni Vaignanik Kheti* (Scientific cultivation of Groundnut) were distributed to the farmers. Practical training on preparation of various bakery items was also given to farm women. During August and September, 2012. Total 740 participants of six villages of Amreli District acquired the training.



*Interaction with Agricultural Development Officers (Gazetted) of Haryana state at JAU, Junagadh on September 5-6, 2012*

Haryana Agricultural Management & Extension Training Institute (HAMETI) organized a special inter-state study tour of 34 Agricultural Development Officers (Gazetted) of Agriculture Department; Government of Haryana for the interaction with the scientists of JAU during September 5-6, 2012. This is for sharing the technical guidance on cotton cultivation in Haryana state.



*Retired scientists of JAU felicitated by Dr NC Patel, Hon'ble Vice Chancellor*



*Awards to Tejasvi children of Krushi Parivar*

*Felicitations to the mothers of Tejasvi children of Krushi Parivar*



*Technology Week Celebration at KVK, Targhadia during September 10-15, 2012*

Technology week was celebrated by KVK, Targhadia during September 10-15, 2012. Dr. SK Mishra, Joint Director (Extension), Directorate of Extension, Ministry of Agriculture, Govt. of India, New Delhi and Dr. G. Jaya, Deputy Director (HRD), MANAGE, Hyderabad remained present during the celebration and appreciated the various activities carried out by KVK, Targhadia. During this celebration 511 farmers & farm women and 69 extension functionaries witnessed the demonstrations on

- Improved crop cultivation practices of different crops.
- Moisture conservation technology of crops.
- High tech production of horticultural crops.
- Scientific management of cattle.
- Solution for repeat breeding in cows and buffaloes.
- Balance use of chemical fertilizer and organic farming.
- Judicious use of insecticides and pesticides for the control of pests and disease.

A programme of *Saraswati Sanman* (Felicitation to children of JAU staff who secured highest ranks in 10<sup>th</sup> & 12<sup>th</sup> examination-2011) and *Nivruti Sanman* (Honour to retiring scientists/teachers of JAU) was organized by JAUTA on July 21, 2012, which was chaired by Hon'ble Vice Chancellor Dr. NC Patel and inaugurated by Mrs. Indiraben Patel, President, *Krushi Parivar Mahila Mandal*. In this programme, prizes and certificates were awarded to the children of *Krushi Parivar* who secured outstanding ranks in 10<sup>th</sup> and 12<sup>th</sup> Board Examinations. Felicitation was also extended to the mothers of children, who got remarkable success due to their dedicated efforts, by Mrs. Indiraben Patel, President, *Krushi Parivar Mahila Mandal*. Felicitation was also extended by Dr. NC Patel, Hon'ble Vice Chancellor to 19 Scientists/Teachers who got recently retired from their services at Junagadh Agricultural University.



*Inter-collegiate competition of Badminton, Table Tennis and Weight Lifting*

Inter collegiate competitions of Badminton, Table Tennis and Weight Lifting were organized by College of Agriculture during September 1-2, 2012 at University Sports Complex, JAU, Junagadh. Dr. NC Patel, Hon'ble Vice Chancellor had inaugurated the sports events. The women and men championship for Table Tennis was won by College of Agriculture and College of Agril Engg. & Tech., respectively. In Badminton and Weight Lifting., the championship was secured by College of Agril. Engg. & Tech. for women and by College of Agriculture in men.



*Students during Inter collegiate Kabaddi and Basketball Tournament on September 15, 2012*

Inter Collegiate Kabaddi and Basketball Tournaments were organized by College of Agricultural Engineering and Technology, JAU, Junagadh and was inaugurated by Dr. NC Patel, Hon'ble Vice Chancellor on September 15, 2012. The College of Agriculture fetched the championship in both the events, while Post Graduate Institute of Agri-Buisness Management became runner-up.



*Students in the events of Volley Ball and Kho Kho during Inter-collegiate Tournament on September 29, 2012.*

Intercollegiate Tournaments of JAU for Volley Ball and Kho Kho were organized on September 29, 2012. The college of Agriculture secured Championship where as College of Agril. Engineering & Technology bagged Runner-up position in both the events.



*Students of JAU in Thalassemia and Blood Group Camp*

Thalassemia and Blood Group Camp for the newly admitted students of all the colleges and polytechnics of JAU, Junagadh was jointly organized by NSS and Indian Medical Association (IMA) and was inaugurated by Dr. DP Chikhalia, Leading Surgeon of Junagadh and Vice President of IMA on September 7, 2012 at Auditorium, JAU, Junagadh. He explained in his lucid and convincing language the causes

and effects of Thalassemia and its preventive measures. He also appreciated Dr. NC Patel, Hon'ble Vice Chancellor for his holistic approach for multifaceted development of the students.



*Activities during workshop on Public Leadership*

A Workshop on Public Leadership was organized during September 25-29, 2012 by International School for Public Leadership (ISPL), Ahmedabad. In this workshop 48 students of Polytechnic in Horticulture and Polytechnic in Agro Processing, JAU, Junagadh participated. The workshop was inaugurated by Dr. NC Patel, Hon'ble Vice Chancellor, JAU, Junagadh. He motivated the participants and indicated the importance of such training in shaping the future. Dr. PV Patel, Director, Students' Welfare and Dr. BA Golakiya presented trophies to Winner Group and winner students respectively, in the valedictory function.

### **Celebration of 66th Independence Day and 150th Birth Anniversary of Swami Vivekanand**



Shri Dileep Sanghani, Hon'ble Minister for Agriculture, Co-operation, Animal Husbandry and Fisheries, Govt. of Gujarat planted sapling in presence of Dr. NC Patel, Hon'ble Vice Chancellor on July 30, 2012. 156 saplings were planted in the premises of College of Veterinary Science by the dignitaries of the town, University officers, Deans of different faculties, Heads of the Departments and NSS volunteers.

Another tree Plantation Programme was organized on August 9, 2012 in the presence of Shri Kanubhai Bhalala, Hon'ble Minister of State for Agriculture, Govt. of Gujarat and Dr. NC Patel, Hon'ble Vice Chancellor. Ninety saplings in the premises of newly constructed PG Institute of Agri Business Management were planted by dignitaries, University Officers, Deans of different faculties, Heads of the Departments and NSS volunteers.



### Debate Competition on August 1, 2012

Inter Collegiate Debate, Extempore and Essay Writing Competitions organized by JAU on August 1 2012. In Debate the students of CAET won the first and second prizes in the

favor ,first in the against of the Subject and First in the Extempore round.



Arzi Hakoomat Photogallery was inaugurated and put open for people of Junagadh by Dr. NC Patel, Hon'ble Vice Chancellor, at Sardar Smruti Kendra, JAU, Junagadh on August 3, 2012



The campus of JAU Junagadh was illuminated with lights as thousands of people visited campus to attend a mega cultural event on history of Junagadh was organized by District Administration at JAU ground.



Students of different Colleges/ Polytechnics, JAU enthusiastically participated in the Sorath Vikas Yatra (Rally) organized in Junagadh city to create awareness of Patriotism and National Integrity among the youth on August 14, 2012.



Cultural program "Welcome Party" for newly admitted students of CAET on September 1, 2012

### Glimpses of NSS activities:



NSS volunteers of different Colleges/ Polytechnics enthusiastically participated in Shram yagna



NSS volunteers of JAU in Girnar Forest for environment awareness and nature education

### Other NSS Activities at a glance

- Shramyagna programmes by all colleges/ Polytechnics (September 27-29, 2012)
- Blood Donation camp as a part of celebration of Ganesh Mahotsav by JAU & Sarvoday Blood Bank, Junagadh (September 22, 2012)
- Implementation of SVEEP ("Systematic Voters Education and Electoral Participation") programme for the Registration of Students in Voter's list.
- Orientation and enrollment programme for NSS.
- Road levelling work by Polytechnic in Agriculture, JAU, Dhari (July 13, 2012)
- Sadbhavana Divas celebration by Polytechnic in Agro Processing, JAU, Junagadh (August 20, 2012)
- NSS quiz by College of Veterinary sci. & Animal Husbandry (August 3, 2012)
- One day camp on environment awareness and nature education by College of Agril. Engineering and Technology
- Celebration of Environment day (June 5, 2012) & Festival of Rakshabandhan (August 1, 2012).
- Participation in Wild Life Trust of India's "Save Whale Shark Campaign" by College of Fisheries Sci., JAU, Veraval (August 24, 2012).

### Book Post

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

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From :  
Directorate of Extension Education  
J.A.U., Junagadh 362 001. (Gujarat)  
Email : newsletter@jau.in