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A university stands for Humanism, for reason, for the adventure of ideas and for the search for truth. It stands for the onward march of the human race towards higher objectives.

-Jawaharlal Nehru

## From VC's Desk

Agricultural universities are endowed with three main functions- Teaching, Research and Extension Education (TREE). Through teaching and training, we create able technical and scientific man power, through research we evolve new varieties and technologies to increase production, and through extension education we disseminate the research findings to farmers for adoption to increase food production. Most of our courses are practical oriented as the students have to come out with thorough theoretical knowledge with practical skills.



The basic aim of a university is to provide opportunities to its students for their physical, intellectual and moral development. In the strictly academic sense, its true function is to impart universal

knowledge in the fields of natural, physical, social, agricultural and the humanities in order to expand the frontiers of knowledge through teaching and research.

In addition to their intellectual function of scientific inquiry and analysis, the universities provide well educated and trained manpower to the nation for different human spheres – education, engineering, medicine, agriculture, administration, commerce and industry.

The agricultural universities act as instruments for the development of agriculture in the country and provide a foundation for social change through scientific-technological transformation.

The university should sensitize the students to the need for social justice, dignity, self reliance and quality of life, imbibe the values of hard work, discipline and honesty.

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## Welcome ceremony of New VC

A grand welcome ceremony for New VC Dr. N. C. Patel was organized by the Director of students' welfare under the chairmanship of Prof. M. C. Varshaneya Hon'ble VC of AAU. On behalf of all, Prof. Varshneya heartily welcomed Dr. N. C. Patel and lauded the contribution of Dr. Patel as the pillar of accreditation of College of Agril. Engineering & Technology of JAU as well as JAU. Dr. P. V. Patel, the president of All Employers' Federation of JAU and Director of Students' Welfare congratulated and presented mementoes on behalf of all unions of university. Dr. H. C. Pathak, In charge VC, Navsari and Dr. S.B.S. Tikka, DR, SDAU, also remained present on this occasion. All the university officers expressed their views on this occasion.



**Dr. N. C. Patel, Hon'ble VC addressing on his welcome ceremony.**

In his response, Dr. N. C. Patel remarked that my responsibilities and challenges have now increased as the farming community, employees and Government have high expectations. I will humbly co-operate and remain with you in any challenging task which will be favorable for university, farmers and students. Dr. M. A. Vadodaria, Secretary of JAUTA extended vote of thanks.



## Hearty Congratulation



Its a matter of immense pride and pleasure for Junagadh Agricultural University, Junagadh that Dr. N.C. Patel, Hon'ble Vice

Chancellor has been appointed as the director of three well known agencies of Government of Gujarat i.e. Gujarat Agro Industries Corporation (G.A.I.C.), Gujarat Land Development Corporation (G.L.D.C) and Gujarat State Seed Corporation

## KVK Activities

### KVK Targhadia

KVK Targhadia conducted 29 training programmes and celebrated "Technology week" from 14<sup>th</sup> to 19<sup>th</sup> September 2009. During the celebration they served scientific information on dry farming technology and arranged practical demonstration to the farmers. 340 farmers had participated in the celebration.

### KVK Khapat, Porbandar

KVK Khapat celebrated the Technology Week on Groundnut during 22-26 Sept. 2009. During the celebration they revealed scientific information on farming technology and arranged practical demonstration to the farmers. 316 farmers had participated in the celebration.

### KVK Amreli

KVK Amreli also celebrated the Technology week during 21<sup>st</sup> to 25<sup>th</sup> September, 2009. 979 farmers/farm women attended this occasion. During the celebration they divulged scientific information on advanced technology on Agriculture and Horticulture. The demonstration of different farm implements like rotavator, cotton shredder, and tractor mounted sprayer were also given to the farmers.

## Centre of Communication (COC) Network

### Farmers shibir

Gram Kisan Samities is the linkage

between Agril. Scientists and farmers. About 30 Gram Kisan Samities were established in different villages of Junagadh, Amreli and Rajkot districts during July to September-2009. About 15 Ratri Khedut Shibirs were organized. The scientists of different disciplines discussed and disseminated the scientific information of advanced technology to the farmers.



The Ratri Khedut Shibir inaugurated by Dr. N. C. Patel, Hon'ble Vice-Chancellor and Dr. R. L. Savalia, Director of Extension, JAU, Junagadh.

## OBITUARY

**Dr. R. P.S. Ahlawat, Vice Chancellor, Navsari Agricultural University** breathed his last on 7<sup>th</sup> may



2009 due to severe cardiac arrest. Dr. Ahlawat was born on 4<sup>th</sup> april, 1945 at Baraut (Uttar Pradesh) and was alumnus of G.B. Pant University of

Agriculture & Technology, Pantnagar, Uttarakhand. He started his professional career as a Senior Research Assistant in 1965 in the same university and subsequently became Assistant Director of Research in 1967. He took over as Deputy Chief, Seed Production Officer in Tarai Development Corporation, Haldvani, Dist. Nainital in 1974. He joined the erstwhile Gujarat Agricultural University as Associate Director of Research in 1977 at Junagadh and rose to the position of Director of Research & Dean, Faculty of P.G. Studies in 1997 and Vice Chancellor NAU. The JAU

fraternity expresses their deep sense of gratitude to the departed soul and prays the Almighty to give strength to the bereaved family to bear the loss.

## STUDENT ACTIVITIES

### Sports activities

Dr. N. C. Patel, VC inaugurating the Gujarat State Inter Agricultural University Chess and Table Tennis tournament in presence of Prof.



Pankaj L. Jani, Hon'ble VC of Shri Somnath Sanskrit University, Veraval remained present as a chief guest on the occasion.

### N. S. S. activities



Dr. N. C. Patel, VC, JAU and Prof. Pankaj L. Jani, Hon'ble VC of Shri Somnath Sanskrit University, Veraval in 'Vruksharopan' programme organised by DSW under NSS activities.

## VISITORS

Dr. M M Pandey, DDG (Eng.), ICAR and Dr. Surendra Singh, PC, AICRP on Farm Implements and Machinery, CIAE, Bhopal visited the University on September 10, 2009.





## Organization of Seminar/ Workshop in University

### 1. Export of Groundnut and its value added products from Gujarat.

A workshop on "Export of groundnut and its value added products from Gujarat" was jointly organized by JAU and GAIC, Ahmedabad on 10<sup>th</sup> August, 2009. It was presided over by Dr. N. C. Patel, VC, JAU and inaugurated by Mrs. D. Thara, Managing Director, GAIC in the presence of Director, APEDA; Vice Chairman, IOPEPC; Director of Research and Director of Extension, JAU, Junagadh. More than 100 participants attended the workshop.



### 2. National Rural Employment Guarantee Act (NREGA)

A workshop on NREGA jointly organized by JAU and District Rural Development Agency (DRDA), Junagadh on 11<sup>th</sup> August, 2009. Dr. N. C. Patel, Hon'ble Vice Chancellor inaugurated the function where in all the university officers and staff members were present.



*Dr. N. C. Patel, Hon'ble Vice Chancellor inaugurating the workshop in presence of Director of DRDA & University officers.*

### 3. Awareness, Information, Extension and Knowledge sharing on Water Resources

Dr. N C Patel, Hon'ble Vice Chancellor, JAU, Junagadh inaugurated the workshop on "Awareness, Information, Extension and Knowledge sharing on Water Resources" jointly organized by GWRDC at CAET, JAU, Junagadh on 30.09.2009. Er A. D. Gohil, Superintending Engineer, GWRDC, Gandhinagar delivered a talk on activities of the GWRDC



*Dr. N. C. Patel, Hon'ble Vice Chancellor lighting the lamp on the occasion of inauguration of the workshop.*

### Agricultural Machinery Manufacturers' Meet

The "Agricultural Machinery Manufacturers' Meet" of Gujarat State was held at JAU on 11<sup>th</sup> Sept. 2009. Prof. A. H. Memon, Principal & Dean, welcomed all the dignitaries and participants. Shri. Deelipbhai Sanghani, Hon'ble Minister (Agril. & Cooperation) inaugurated the function by lighting the lamp. He addressed the participants and expressed his good wishes for their effective long time co-operation for the upliftment of the farmers. He gave weightage on



*Shri Dileep Sanghani inaugurating the Meet in presence of Dr. N. C. Patel and dignitaries.*



*Dr. N. C. Patel, Hon'ble VC JAU is presenting memento to Shri Dileep Sanghani Hon'ble Minister of Agril. & Cooperation, Government of Gujarat*

sustaining the production by reducing the input cost and adopting mechanization with limited resources of the farmers.

Dr. N. C. Patel, Hon'ble Vice chancellor, JAU, Junagadh said that necessary guidance and support will be provided to the newly established association. Several testing facilities, machine testing laboratory have been developed under RKVY scheme. He also said that crop practices should be developed according to the availability of machineries and technologies.

### From VC's Desk

Agricultural education for development of agriculture is a significant component of our resources. Apart from learning and acquiring degrees and certificates, there is a need to develop positive qualities, promote awareness of the problems and solution related to international issues and challenges.

By performing these functions effectively and efficiently, we can increase productivity and achieve social and economic equality in our country along with better living conditions.

In order to improve the quality of education basic reforms and modifications are recommended in formulating new courses, teaching methods and examination systems from time to time. It is my earnest appeal to every one that they should work hard with zeal and zest, discipline and honesty.



# RESEARCH ACTIVITIES

## NEW VARIETIES

### Okra : Gujarat Okra Hybrid-2 :

This hybrid recorded the highest green fruit yield of 148.36 q/ha which was 23.33, 27.86 and 40.95% higher than check



varieties GOH-1 (123.40q/ha) Parbhani Kranti and Pusa Sawani (105.26 g/ha) respectively. The fruit of Gujarat Okra Hybrid -2 are green ,tender and attractive.

### Custard apple:Junagadh Custard

### Apple-1 (JCA-1) :

The variety, registered 45.86, 22.59 and 23.21 per cent higher fruit yield, as compared to checks Sindhan and Selection-11 and 12 , respectively. The variety possessed more number of fruits per tree than the



checks besides showing less number of seeds per fruit along with higher pulp content. The variety was accepted for release in Saurashtra region.

## RECOMMENDATIONS FOR FARMER

- Mango :** Nurseryman of Gujarat state interested to prepare mango graft are advised to use stone variety Kesar as a root stock for vigorous growth and better survival against salt stress up to EC 2.00 dSm<sup>-1</sup> of water.
- Acid lime:** Kagzilime growers of SSAZ are recommended that 20 years old rejuvenated tree through medium pruning (2.00 m height at ground level) should apply 50% of the recommended dose of fertilizer (25 kg FYM, 450 g N, 375 g P<sub>2</sub>O<sub>5</sub> & 250 kg K<sub>2</sub>O) in which 25 kg FYM with half dose of Nitrogen i.e. 225 g N, 375 g Phosphorus and 250 g

Potassium per tree should be at the onset of monsoon and remaining 50% dose of Nitrogen i.e. 225 g N in the month of March for getting higher net return along with higher yield and quality fruits of acid lime.

- Onion:** The farmers of SSAZ growing onion (Gujarat White Onion -1) for seed production are recommended to plant bulbs on ridges by keeping spacing of 30cm x 30cm for getting higher seed yield and net profit.
- Onion:** For effective and economical management of onion thrips in *rabi* season, two sprays of Polytrin-C 44 EC 0.044 per cent (CBR 1:9.33) or endosulfan 35 EC 0.07 per cent (CBR 1:8.21) or profenofos 50 EC 0.05 per cent (CBR 1:7.77) or imidacloprid 17.8 SL 0.004 per cent (CBR 1:7.45) or carbosulfan 25 EC 0.05 per cent (CBR 1:6.30) at 15 days interval starting from pest infestation are recommended under South Saurashtra region.
- Okra:** Considering the effectiveness and economics of different IPM module for okra under South Saurashtra conditions, IPM modules (CBR 1:6.23) comprising seed treatment of thiamethaxam @ 2.8 kg/seed, clipping of the infested shoots, pheromone trap @ 20 trap/ha at shoot damage appearance and spraying of endosulfan 0.07 per cent on need base is recommended.
- Castor:** The farmer of SSAZ having irrigation water salinity up to 2 dS/m are advised to prefer castor variety GC-3.
- Castor:** The farmer of SSAZ growing castor in medium black calcareous soil deficient to marginal in K and Zn availability are advised to apply 50 kg K<sub>2</sub>O + 50 kg ZnSO<sub>4</sub> per ha as basal in addition to recommended fertilizer dose (N:P 75:50 kg/ha) for getting higher yield and net return.
- Wheat:** The farmer of SSAZ adopting wheat-groundnut crop

sequence in a medium black calcareous soils are advised to apply 80 Kg K<sub>2</sub>O + 25 Kg ZnSO<sub>4</sub> per ha to wheat crop only as basal in addition to RDF (N:P -120:60 and N:P-12.5:25 to wheat and groundnut, respectively for getting higher yields of crops in wheat-groundnut sequence.

- Cotton:** The farmer of SSAZ growing hybrid cotton in medium black calcareous soil are advised to apply recommended dose of nitrogen in the form of urea only.
- Mango:** Scientists are advised to keep freshly harvested mature mango fruits cv. Kesar in a small cool chamber at 14 °C with 90% RH to maintain the fruit quality up to 25 days. **(For scientific community)**

## Donors of Gold Medal

- Brid. Anil Adalakha, New Delhi, donated Rs. 1.25 lakh to award a Gold medal to a student of Agriculture faculty showing all round brilliant performance at the end of B.Sc.(Agri.) degree course.
- Late Malaykumar Dhirendrabhai Vaidya donated Rs.50,000/- to award a Gold Plated Silver Medal to a student of B.Tech. (Agri. Engg.) faculty.

BOOK POST

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