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### Publisher

Director of Extension  
 Education  
 Junagadh Agricultural  
 University  
 Junagadh 362 001.

Phone : 0285-2672080-90  
 PBX : 341  
 Phone: 0285-2672653  
 Fax : 0285-2671669  
 email : dee@jau.in  
 newsletter@jau.in  
 jaunewsletter@gmail.com

## Hon'ble Vice Chancellor's Message

The union cabinet has approved the new crop insurance scheme **Pradhan Mantri Fasal Bima Yojana** (PMFBY) - a path breaking scheme for farmers' welfare with an objective to provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crop as a result of natural calamities, pests & diseases, to stabilize the income of farmers to ensure their continuance in farming, to encourage farmers to adopt innovative and modern agricultural practices, and to ensure flow of credit to the agriculture sector. The new scheme will replace the existing two schemes *National Agricultural Insurance Scheme* (NAIS) and Modified NAIS. The scheme will come into force from the *Kharif* season starting from June -2016. Hon'ble Prime Minister Shri Narendra Modi on February 18, 2016 launched the guidelines for operationalization of the **Pradhan Mantri Fasal Bima Yojana**. The guidelines were issued at a farmers' convention in Sherpur village of Madhya Pradesh.



The Centre currently has a bill of Rs 3,100 crore on account of its share of the premium for the 23 per cent crops that are currently insured in the country. Once 30 per cent of the crop comes under insurance cover, the Centre's financial liability is estimated to go up to Rs 5,700 crore. This financial liability is expected to touch a whopping Rs 8,800 crore once the target of bringing 50 per cent crop under insurance is achieved in three years.

Presently, about of 15% of farmers are benefitted by old crop insurance scheme, the new scheme aims to cover 50% farmers. PMFBY is the biggest ever government contribution to crop insurance started from *kharif* 2016 season. Farmers have to pay the lowest ever single premium rate for each season on all food grains, oilseeds and pulses - removing all the variations in rates across crops and districts within season. For *kharif* and *rabi* crops, the premium have to be paid up to 2% and 1.5 % of the sum insured, respectively, while for annual commercial and horticultural crops, premium would be paid up to 5 per cent of the sum insured. The remaining share of premium to be paid equally by the central and respective state governments. There will be no capping of the sum insured; the farmers will get full insurance cover. Apart from yield loss, the new scheme covering post-harvest losses also. It also provided the farm level assessment for localized calamities including hailstorms, unseasonal rains, landslides and inundation. The scheme proposes mandatory use of remote sensing, smart phones and drones for quick and accurate assessment and settlement of crop loss.

(A. R. Pathak)

## Eleventh Annual Convocation



*Eleventh Annual Convocation of Junagadh Agricultural University, Junagadh held on January 16, 2016*

### Eleventh Annual Convocation

Eleventh Annual Convocation of Junagadh Agricultural University, Junagadh was presided over by Hon'ble Governor of Gujarat and Hon'ble Chancellor Shri O. P. Kohli at Junagadh on January 16, 2016. Dr. A. R. Pathak, Hon'ble Vice Chancellor, JAU, Junagadh welcomed the dignitaries and highlighted various activities carried on by JAU in education, research and extension. Dr. R. S. Paroda, Ex. Secretary, DARE and Former Director General, ICAR, New Delhi, was the chief guest of the function, who delivered the convocation address. Shri Jashabhai Barad, Hon'ble Minister (State), Agriculture and Civil Aviation, Government of Gujarat was the Guest of Honour. A total of 353 students, of which 227 Graduates and 126 Post Graduates from various faculties were conferred on the degrees by Hon'ble Chancellor Shri O. P. Kohli. He also awarded 3 Chancellor's Gold Medals, 4 Vice Chancellor's, 1 Donor's Gold medal, 37 Gold Plated Silver Medals and two cash Prizes to outstanding and meritorious students during the convocation.

### Technology and Machinery Demonstration Mela

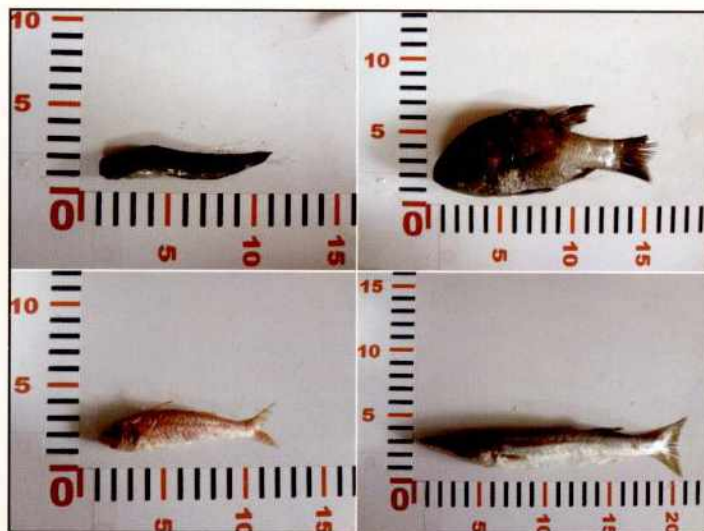
College of Agricultural Engineering & Technology, JAU, Junagadh organized a "Technology & Machinery Demonstration Mela" on March 17, 2016 in collaboration with all AICRPs of the college. It was inaugurated by Dr. N.S. Rathore, Deputy Director General (Education), ICAR, New Delhi. He explained the future line of action of central government regarding diverting the youth towards the farming, soil health card, farmer first etc. Dr. A. R. Pathak, Hon'ble Vice-Chancellor, JAU, Junagadh was the Chief Guest of the inaugural function who elaborated the importance of soil, water, value addition and marketing for betterment of farming community. Dr. A. M. Parakhia, DEE, JAU, Dr. Radhakrishnan, Director, Directorate of Groundnut Research, ICAR, Junagadh; Dr. N. K. Gontia, Principal and Dean, CAET, JAU; Shri Vinodbhai Gajjar, Secretary, GAMMA, Rajkot and Shri Ashokbhai Dayani from Tirth Agro, Rajkot remained present on this occasion.



Technology and Machinery Demonstration Fair

### The first global DNA barcode report and the first DNA barcode report from India for marine fishes of Gujarat

The Department of Aquaculture, College of Fisheries Science, JAU, Veraval in collaboration with Department of Biotechnology, JAU, Junagadh has achieved a great feat in the form of the first global DNA barcode report for the marine fish *Lepidocephalus thermalis*. It is the matter of pride that the DNA barcode of *L. thermalis* has been generated and reported for the first time in the world by the JAU team. Moreover, the DNA barcodes of 10 marine fishes have been generated and reported for the first time from India, as confirmed by the international BOLD Database, Canada. This research work is reported by the research team led by Dr. S. I. Yusufzai, Associate Professor & Head, Dept of Aquaculture, Dr. R. S. Tomar, Dr. M. V. Parakhia, and team of Dept of Biotechnology, with essential support from Dr. B. A. Golakia, Prof. & Head, Dept of Biotechnology, JAU, Junagadh and Dr. A. Y. Desai, Principal & Dean, CoF, Veraval, and Director of Research, JAU, Junagadh. Till date, the College of Fisheries Science, JAU, Veraval along with Department of Biotechnology, JAU, Junagadh have barcoded nearly 80 species of marine fish from the Veraval coastline of Gujarat state, with entire voucher specimen collection of collected fishes. This work is being carried out with aim to generate DNA barcode database of marine fishes of entire Gujarat coastline, under the research project "Mapping of marine fish biodiversity along the Veraval coast using mtDNA barcoding" funded by Gujarat State Biotechnology Mission, Dept of Science & Technology, Govt. of Gujarat, and plan scheme on "Identification and documentation of marine fish biodiversity using mtDNA barcoding at College of Fisheries, JAU, Veraval.



DNA barcode report

### Cow Urine (*Gaumutra*): Astonishing Research Findings.

Team of researchers of Food Testing Laboratory, JAU, Junagadh consisting Shraddha Bhatt, Manoj Parakhia, Amisha Patel, Bindu Goswami, Rohit Bhalaria and led by Dr. B. A. Golakia found astonishing features of cow urine and panchgavya, described briefly as below.

- Gir cow urine has antifungal activity towards *Fusarium*, *Helminthosporium*, *S. rolofsii*, *A. flavus* and *Macrophomina*, causing various diseases in crop plants.
- It has also anti-microbial role against human pathogenic bacteria like *Salmonella typhi*, *Vibrio cholerae*, *E.coli*, *S. aureus* which cause human diseases like Typhoid, Cholera, Diarrhoea, vomiting and skin diseases.
- Gir cow urine has antimicrobial and antifungal activity which Jafrabadi buffalo and Jersey cow urine doesn't have.
- Panchagavya (concoction of Three direct products: Cow's dung, Cow's urine, cow's milk; Two derived products: curd and cow's ghee) described in Veda were scientifically studied.
- This concoction enhances growth and yield of crop.
- Higher load of bacterial culture was observed in Panchagavya ( $1.5 \times 10^9$  cfu/ml) compared to other organic preparations, seaweeds and banana sap.
- Panchagavya increases soluble phosphate and converts potash into mobilized form which results in reduction in cost and consumption of these fertilizers.
- Panchagavya enhances germination in Mungbean.
- Panchagavya protects plant against pathogenic fungi *Fusarium*, *Aspergillus flavus*, *Aspergillus niger*, *S. rolofsii*, *Helminthosporium* and *Macrophomina*.



### ZREAC Meeting

The 24<sup>th</sup> Zonal Research and Extension Advisory Committee (*kharif*) meeting of South Saurashtra Agro-climatic Zone was held at JAU, Junagadh on January 28-29, 2016. Dr. Pramod Mohnot, ADR, JAU, Junagadh, welcomed Dr. A. R. Pathak. Chairman and Hon'ble Vice Chancellor, JAU, Junagadh and all dignitaries of university and line departments.

Dr. A. R. Pathak, Hon'ble Vice Chancellor, congratulated scientists for research technologies and new technical programmes. He emphasized on need of improvement of R & D activities in agriculture and allied disciplines. In this meeting 19 recommendations for farmers, 16 recommendations for scientific community and 49 new technical programmes were approved for *kharif* season for South Saurashtra region.



ZREAC Meeting

### Joint AGRESCO Meet

The 12<sup>th</sup> Joint AGRESCO meeting of JAU was held on March 19, 2016 under the Chairmanship of Dr. A. R. Pathak, Hon'ble Vice Chancellor, JAU, Junagadh. All the Deans & Directors of the university, Principals of various Colleges, Conveners of various AGRESCO sub-committees of JAU, scientists and the members were present in the meeting. Chairman & Hon'ble Vice Chancellor, Dr. A. R. Pathak congratulated the team of scientists on their useful contribution towards the research recommendations and formulation of new technical programmes. Three varieties viz., Gujarat Junagadh Wheat-463 (GJW-463); Gujarat Junagadh White Onion 3 (GJWO 3) and Gujarat Junagadh Red Onion 11 (GJRO 11) for area expansion of South Gujarat were recommended. Twenty five technological recommendations for farmers and 39 recommendations for Scientific Community were approved. Total 122 new technical programmes of various faculties were approved for research during next year.



Joint AGRESCO Meet

**Peer Review Team**

The ICAR Peer review team visited the JAU, Junagadh during January 3-6, 2016 for accreditation of the university and various colleges of JAU. Dr. S. S. Chahal, Former Hon'ble Vice Chancellor, MPUAT, Udaipur. Rajasthan, was the Chairman of the committee and Dr. H. S. Balyan, Dr. S. K. Gupta, Dr. S.A Wani, Dr. P. C. Mahanta and Dr. G. Venkateshwarlu were the members. Committee has reviewed the education, research, extension education, administrative and students' management related aspects conducted by the various colleges. They have also personally visited the various labs and the experiential learning programme activities of the different departments of various colleges and took the first hand information.



*Peer Review Team visited JAU, Junagadh*

**Visit of VCI Team**

Inspectors nominated by Veterinary Council of India (VCI) had visited the CoVS& AH, JAU Junagadh during February 10-12, 2016, to inspect college facilities created and manpower available as per VCI regulation. The VCI team members comprised of Dr Sanjay Shakya, Professor & Head, Department of Veterinary Public Health, CoVS& AH, Anjora, Durg (Chhattisgarh), Dr. L. Ranganath, Professor & Head, Department of Veterinary Surgery and Radiology, Veterinary College, Hebbal, Bangalore (Karnataka) and Dr. Sunil Nayak, Professor & Head, Department of Animal Nutrition, CoVS& AH, Jabalpur (MP). Dr A.R. Pathak, Hon'ble Vice-Chancellor, JAU heartily welcomed the VCI team at JAU. Dr P. H. Tank, Principal & Dean, thanked university officials for their remarkable co-operation and support during visit and appreciated efforts made by faculties for their preparations.



*VCI Team visited CoVS&AH, JAU, Junagadh*

**National Seminar on "Contemporary Innovations for Quantum Extension in Agricultural Development"**

The National Seminar on "Contemporary Innovations for Quantum Extension in Agricultural Development" was jointly organized by the Society of Extension Education, Gujarat (SEEG) and Junagadh Agricultural University (JAU), Junagadh during 18-19 March 2016. The Seminar was inaugurated by Dr. A. R. Pathak, Hon'ble Vice-Chancellor, JAU, Junagadh and Dr. Ashok A. Patel, Hon'ble Vice-Chancellor, SDAU, Sardarkrushinagar. Innovative farmers representing all four SAUs of the state presented success stories. Lead papers presented by experts and eminent extension educationists and selected oral and poster presentations of 300 participants from Gujarat, Rajasthan, Maharashtra, Haryana and Madhya Pradesh. During the seminar, a Compendium was released consisting of all the 16 success stories, 10 lead papers and 304 abstracts covering all the six major themes viz. Social media and ICT tools for the extension toolbox; Harnessing ITK for farmers; Extension strategies for changing agricultural scenario; Networking for agricultural knowledge management; Impact of FLDs; and Extension research and its applications. Besides, all the selected full-length papers received for the Seminar were also published in International Journal of Agricultural Crisis (IJAC), a reputed journal having 4.10 NAAS rating. The "SEEG at a Glance" book also released by Dr. A. R. Pathak, Hon'ble Vice-Chancellor, JAU, Junagadh.



*Inauguration of National Seminar on "Contemporary Innovations for Quantum Extension in Agricultural Development"*

**MEETINGS****Farmers Innovative Meet-2016**

To explore innovations made by farmers a State level meet for Innovative farmers was organized at Junagadh Agricultural University, Junagadh during March 8-10, 2016. 345 farmers participated in the meet. The innovations were grouped into 8 groups viz. Low cost/Organic farming, Water harvesting, Hi-tech agriculture, Integrated farming, Traditional wisdom, Farm implements and machinery, Value addition and Animal husbandry/Dairy. 69 farmers presented their innovations and more than 124 farmers shared their experience in meet. The suggestions for better agriculture were documented for submission to the Govt. of Gujarat for further implementation. First three

farmers of each group were honoured with Shawl and memento. The idea was suggested and guided by Dr A. R. Pathak, Hon'ble Vice Chancellor, JAU. The selection of farmers and implementation was made by Dr A. M. Parakhia, Director of Extension Education, JAU. Shri BhikhudanGadhvi, Padmshri recipient of the Year 2016 and popular artist of folk literature of Saurashtra region of Gujarat state was felicitated during this meet. He has made significant contribution in popularizing agril technologies through traditional songs and literature.



*Innovative Farmers Meet-2016*

## SPECIAL PROGRAMMES

### Second Convention of CAJ Alumni Association :

The second convention and family gathering of the College of Agriculture, Junagadh Alumni Association was held on January 24, 2016 at JAU campus, Junagadh in which 260 families participated enthusiastically. Dr. A. R. Pathak, Hon'ble Vice Chancellor released the e-souvenir of this Alumni Association., Dr. C. H. Rana, Former Hon'ble Vice Chancellor, GAU, SKNagar, Dr. Ashokbhai Patel, Hon'ble Vice Chancellor, SDAU, SKNagar and Dr. C. J. Dangaria, Hon'ble Vice Chancellor, NAU, Navsari enjoyed this occasion as Alumni of this college and Dr. N. C. Patel, Hon'ble Vice Chancellor, AAU, Anand also attended the convention. Mr. Dinesh Patel, Collector & DM, Porbandar, Dr. B. R. Shah and Mr. R. A. Sherasiya, Director of Agriculture and Director of Horticulture also graced the occasion. A cultural programme was arranged by students of College. Dr. P. V. Patel, President, Dr. A. V. Barad, Patron &



*Second Convention of CAJ Alumni Association*

Principal CAJ, Dr. M. A. Vadodariya, Secretary, Dr. V. J. Bhatia, Treasurer, Dr. V. V. Rajani, Co-Treasurer, Dr. D. K. Varu and Mr. Subhashbhai Chothani both execution members, Prof. D. V. Bhut, Physical Instructor contributed well for successful organization of this convention.

### Veterinary Clinical Camps

Special Veterinary Clinical Camps were organized by CoVS&AH, JAU, Junagadh at Rajkot on January 10, 2016 in collaboration with Shri Panchnath Mahadev Sarvajani Trust, Rajkot; At Amarapur (Gir), Ta.Malia Hatina on January 22, 2016 in collaboration with Sadbhav foundation, Junagadh; At Taravada, Dist. Amreli on February 24, 2016 in collaboration with College of Agriculture, Amreli; and at Vekari, Dist. Junagadh on March 27, 2016 in collaboration with AhirKarmachari Mandal. Total of 1746 animals were treated for different medical, surgical and gynecological ailments.



*Veterinary Clinical Camps*

## SPECIAL TRAINING PROGRAMMES

### Training programme on “Mechanization in Agriculture”

Five day training programme on “Agricultural Mechanization” (Financed by Director of Agriculture, Govt. of Gujarat, Gandhinagar) during February 15-19, 2016, organized by the Department of Farm Machinery and Power, CAET, JAU was inaugurated by the Director of Extension Education, Dr. A.M.Parakhia. Looking to the

present circumstances he emphasized on group farming and organic farming for upliftment of the farmers. Dr. N. K. Gontia, Dean, CAET, informed 45 participant farmers (of Kalayanpur, Ghogha, and sayla talukas) of benefits of mechanization in agriculture.



*Training programme on "Mechanization in Agriculture"*

### **Training on "Life Skills and Personality Development"**

Two days training on "Life Skills and Personality Development" was organized during March, 21-22, 2016 at College of Fisheries, JAU, Veraval in collaboration with Transmind Consultants, Chennai, (Tamil Nadu) for 50 senior students of College of Fisheries, JAU, Veraval. Similar training programmes were conducted during March 21-23, 2016 for 50 students of each - College of Agriculture, Horticulture, College of Agril. Engineering, College of Veterinary Science and A.H. Junagadh in Collaboration with Azim Premji University, Bangalore (Karnataka). Similarly, three days Training Programme on "Personality Development through Life Skills" was conducted during March 21-23, 2016 for the Students of different faculties of JAU, Junagadh in which 54 students participated. This training programme was Inaugurated by Dr. N. K. Dhamsania, Registrar, JAU, Junagadh under the Chairmanship of Dr. M. M. Modhwadia, Hon'ble Member, Board of Management and Dr. P. V. Patel, DSW, JAU, Junagadh.



*Inauguration of Training Programme on "Life Skills and Personality Development"*

### **Seminar-cum-Training on "Campus to Corporate (C2C)"**

A full day career management seminar cum training on "Campus to Corporate (C2C)" was organized by JAU, Junagadh in collaboration with Dr. Mehul G. Thakkar, Asso. Prof. Deptt. of HRM and Head, University Placement, NAU, Navsari, on March 30, 2016 for the PG students of College of Agriculture, Junagadh and College of Veterinary Sci., JAU,

Junagadh in which 68 PG students participated. Dr. A. R. Pathak, Hon'ble Vice Chancellor, JAU, Junagadh inaugurated this training and motivated the students through his inspirational speech.



*Seminar-cum-Training on "Campus to Corporate (C2C)"*

### **Yoga Shibir**

Post Graduate Institute of Agri-Business Management, JAU, Junagadh organized the 6 days Yoga Shibir from 6-11 February, 2016 for the physical and mental health development of students and faculties of PGIABM under the guidance of Dr. Ashokbhai Thaker (BAMS, Bombay) and Mr. Rajubhai Raval (Junagadh).



*Yoga Shibir at PGIABM*

## **FARMERS' TRAINING**

### **One day awareness cum training programme on "Protection of Plant Variety and Farmers' Right Act-2001"**

One day awareness-cum-training programme on "Protection of Plant Variety and Farmers' Right Act- 2001" was held at KVK, JAU, Jamnagar on March 1, 2016, wherein total 138 farmers participated. Dr. A. M. Parakhia, DEE, JAU, Junagadh. Dr. K. P. Baraiya, PC, KVK, JAU, Jamnagar and Dr. M. D. Khanpara, Research Scientist (Pearl Millet), Pearl Millet Research Station, JAU, Jamnagar inaugurated the programme. The team of scientists of KVK shared the knowledge with participants.



*Awareness cum training programme on "PPV&FR Act- 2001"*

### **Kshetriya Pakoma Bij Utpadan**

Two off campus (January 30, 2016 at Gangecha, Ta: Malia Hatina and February 01, 2016 at Malia Hatia) and two on campus (March 8 & 9, 2016) one day farmers' trainings on "Kshetriya Pakoma Bij Utpadan" were organized by the Department of Seed Science and Technology, JAU, Junagadh. More than 600 farmers and farm women were trained. Dr. P. Mohnot, ADR, JAU, Junagadh and Dr. A. M. Parakhia, DEE, JAU, Junagadh, chaired the trainings at Gangecha and Malia Hatina, respectively and addressed the farmers. Dr. V. J. Bhatiya, Professor and Head and Dr. J. B. Patel, Associate Professor from Department of Seed Science and Technology and expert scientists from wheat, pulses, cotton, groundnut and extension personnel from veterinary college shared expertise with the farmers.



*Farmers' Training on "Kshetriya Pakoma Bij Utpadan"*

### **FIELD DAY**

Under NFSM, Cluster FLDs of Rabi Pulses were allotted in chickpea (variety GG 5) in two different villages i.e. Nesdi (Ta.-Savarkundla) and Oliya (Ta.-Savarkundla), where "Field Day" was organized by KVK, Amreli at Village Oliya on March 06, 2016. Dr. N. S. Joshi Programme Co-ordinator gave valuable information on the project and emphasized on growing of newly released high yielding varieties of pulses. Dr. M. L. Patel, SMS (Plant Protection) delivered a lecture on importance of seed treatment in pulses and he also provided valuable information on IPM and IDM strategies in pulse crops.



*Field Day at village Oliya*

### **Training programme on "Brackish-Water Shrimp Farming Management"**

Five days training programme on "Brackish-Water Shrimp Farming Management" was conducted by the Fisheries Research and Training Centre, JAU, Mahuva in collaboration with NFDB, Hyderabad during January 18-22, 2016, wherein 20 participants from local fishermen community, private entrepreneur, attended the training. Expertise lectures were delivered by the faculty from College of Fisheries, JAU, Veraval, Fisheries Research Station, JAU, Sikka and Okha, experts from CMFRI, MPEDA and NABARD bank, Bhavnagar during this training programme.



*Training program on "Brackish-Water Shrimp Farming Management"*

### **Farmer training programme on "Modern cultivation of coconut and its value addition"**

Farmer training programme was organized by All India Coordinated Research Project (Palm), Aspee College of Horticulture and Forestry, NAU, Navsari at Agri. Research Centre, JAU, Mahuva on February 03, 2016, wherein more than 150 farmers attended the training programme. Scientist/experts had delivered lectures on Hybrid coconut seed production, coconut planting techniques, application of fertilizer and water management, coconut inter cropping, coconut disease and pest management and coconut value addition. The same training programmes were organized at Kodinar, Mangrol and Mithapur on February 04, 05 and 06, respectively.



*Farmer training programme on “Modern cultivation of coconut and its value addition”*

**Farmers training programme on “Export Related Cultivation Practices of Horticulture & Agricultural Crop and Its Value Addition”**

Farmers training programme on “Export Related Cultivation Practices of Horticulture & Agricultural Crop and Its Value Addition” was organized at TCD farm, JAU, Talaja on March 02, 2016. The programme was inaugurated by Dr. A. R. Pathak Hon'ble Vice Chancellor, JAU, Junagadh, wherein around 80 farmers attended this programme.



*Training programme on “Export Related Cultivation Practices of Horticulture & Agricultural Crop and Its Value Addition”*

**SPORTS**

**Inter College and Inter Polytechnic Athletics meet 2016**

Twelfth Inter College and Inter Polytechnic Athletics meet 2016 was organized during February 6-7, 2016 by the College of Agriculture, JAU, Junagadh, which was inaugurated by Smt. Jyotiben Vachhani, Vice President, State Mahila Aayog, Gandhinagar under the Chairmanship of Dr. M. M. Modhwadia, Hon'ble Member, Board of Management in the presence of Principal and Deans of various Colleges, Heads of the Departments, Team Managers, SRC Chairman, students and invited guests. Smt. Jyotiben Vachhani and Dr. M. M. Modhwadia encouraged the participants through their motivational speeches. College of Agriculture and Polytechnic in Agro-Processing, Junagadh won the Championship in their respective groups..



*Inter College and Inter Polytechnic Athletics meet 2016*

**Inter Agricultural University Volleyball and Kho-kho tournaments**

Gujarat State Inter Agricultural University Volleyball and Kho-kho tournaments were organized during March 18, 2016 at Sardar Krushinagar Dantiwada Agricultural University, S.K. Nagar in which Girls Volleyball team of JAU secured the Second Position.

**NSS Activities**

An Eye diagnosis camp for all the students of Junagadh Campus organized on February 20 & March 5, 2016 in collaboration with Junior Jaycee Wing of JCI Junagadh and with Co-operation of Hatkesh Hospital, Junagadh in which 152 students were examined for eye health including detecting of vision. Dr. P. V. Patel, Programme Co-coordinator (NSS), JAU has inaugurated this camp as a chief guest and motivated the students. Mrs. Amishi Gandhi, President, Mr. Yatinbhai Kariya, Director and Mr. Arvindbhai Soni, Mentor all of JCI, Junagadh graced this occasion and encouraged the NSS volunteers.

Mr. Kalpitbhai Nanavati, President, Mr. Pravin Chandra Upadhyay, Adm Officer and Dr.(Mrs.) Najema Kazi, Eye specialist also attended this occasion and humbly co-operated for arranging this free diagnosis camp. Dr. A. R. Pathak, Hon'ble Vice Chancellor appreciated the effort of Dr. P. V. Patel and organizing team for such humanitarian services.





**Special NSS Camps:**

Various activities were carried out during Special NSS Camps organized by All the Colleges and Polytechnics of JAU at different places of Saurashtra region. Total 597 NSS volunteers (397 Boys + 200 Girls) actively participated in 12 camps.



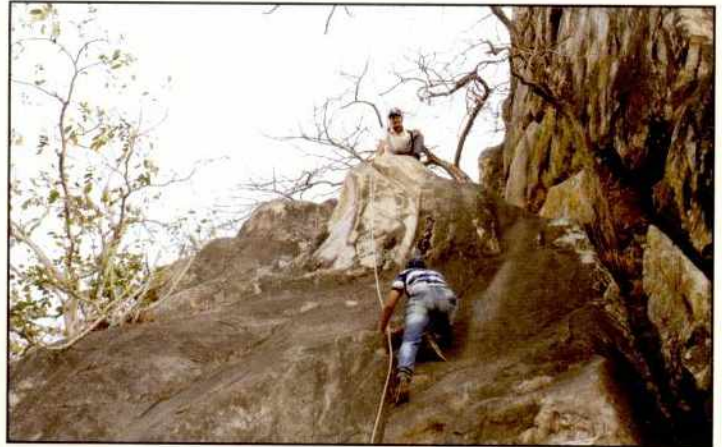
*Felicitation of winners of Intercollegiate Sports competition of JAU*

**ADVENTURE**

**Basic camps of mountaineering**

Two Basic camps of mountaineering were arranged during January to March, 2016. First Basic Course of mountaineering was arranged at Pandit Dindayal Upadhyay Institute of Mountaineering, Girnar, Junagadh, during

January 3-12, 2016, wherein 46 students participated, while in second camp, 25 students participated during January 17-26, 2016. Dr. P. V. Patel, DSW & Dr. A. Y. Desai, Principal & Dean, College of Fisheries, JAU, Veraval visited the camp and encouraged the participants.



**PHOTO SPEAKS**



*Youth Day Celebration (Swami Vivekanand Jayanti) on January 12, 2016*



*Celebration of Rabi Krushi Mahotsav 2016*



*Celebration of Republic day  
on January 26, 2016*



*Dr. R. S. Paroda, Ex Director General, ICAR,  
New Delhi visited the High Tech Museum on  
Seed Production Technology on January 15, 2016*



*Dr. N. S. Rathore, Deputy Director General (Education),  
ICAR, New Delhi visited the High Tech Museum on  
Seed Production Technology on March 17, 2016*



*Inauguration ceremony of "Mahila Kaushalyavardhan Talim"  
on March 4, 2016 as a part of celebration of International  
year of Pulses – 2016 and International Mahila Day*



*Dr. A. M. Parakhia, DEE distributing certificates  
of Bakery Talim on March 15, 2016*



*Swachchhata Abhiyan by NSS students at Goladhar  
from March 15-21, 2016*

## PRIDE

### UG thesis research project work

As a part of Golden Jubilee celebrations of Indian Society of Agricultural Engineers (ISAE) a National Symposium on "Agricultural Engineering in Nation Building: Contributions and Challenges" was organized by Orissa University of Agriculture and Technology (OUAT), Bhubaneswar during



January 19-21, 2016. Mr. Chandegara Mayurkumar Parshottam, a UG student of CAET, JAU, Junagadh orally presented B. Tech. thesis research work entitled Development of *Aloe vera* based Mosquito Repellent Incense (under the guidance of Dr. V. K. Chandegara, Asstt. Professor, Polytechnic in Agro-Processing, JAU, Junagadh) who was awarded with the third rank. The research is on mosquito repellent herbal based incense. The abstract of his research work was published in technical compendium of ISAE-2016.

**Best Oral & Poster Presentation Award**

Dr. B. R. Maharana, Assistant Professor (Dept. of Veterinary Parasitology) CoVS&AH, JAU, Junagadh attended XXV National Congress of Veterinary Parasitology and National Symposium on "One Health Approach – Plausible Solution for Sustainable Parasite Control" organized by Department of Veterinary Parasitology, Madras Veterinary College, Tamil Nadu Veterinary and Animal Sciences University, Chennai from February 17-19, 2016 and was awarded for the best poster & oral presentation.



**Best oral presentation**

Mr. Viral Joshi, Ph. D. (Agril. Engg.) student of College of Agril. Engg. and Technology participated in the National Level Student Research Convention (Anveshan) held at S. P. University, Anand on 28-30th March, 2016. He is pursuing his study in the field of Renewable Energy and Rural Engg. under the guidance of Dr. P. M. Chauhan and presented his research work on "Development of field scale micro algae cultivation system for bio-fuel production". Among 16 winners from different zones of India, he secured the second rank as well as Rs. 30000/- cash prize.



Prof. P. A. Pandya, Assistant Professor, Polytechnic in Agro Processing, Junagadh received first prize for best oral presentation for the article "Study the Factors Affecting Non-Adoption of Drip Irrigation" in National Seminar on "Contemporary Innovations for Quantum Extension in Agricultural Development" organized jointly by Society of Extension Education, Gujarat and Junagadh Agricultural University, Junagadh on March 18-19, 2016.



Dr. M. K. Bariya (Scientist, KVK, Pipalia) awarded for Best Poster Presentation (First Position) for a poster on "Functional and Mutual Relationship between Profile Characteristics of SHG & Non SHG members with their level of empowerment" at National Seminar on 'Contemporary innovations for Quantum Extension in Agricultural

development on 18-19th March, 2016 held at JAU, Junagadh"

Dr. N. B. Jadav (Sr. Scientist and Head, KVK, Pipalia) awarded for Best Oral Presentation (Second Position) of a paper on "Economic impact of frontline demonstration on Trichoderma against stem rot in Kharif Groundnut" at National Seminar on 'Contemporary innovations for Quantum Extension in Agricultural development on 18-19th March, 2016 held at JAU, Junagadh"



**Short Film Making Competition**

Two (02) students of PG Institute of ABM had participated in the national level programme "MANAGEMENT CARNIVAL" organized by NOBLE Group of Institute-Junagadh on 7<sup>th</sup> February'2016. The Students of PG Institute of ABM Mr. Asi Sagar Kumar and Ms. Mevada Priyanka had secured the second rank in Short Film Making competition.

**Glimpses of SSK Activities**

Total 10 (Ten) Training Programmers (On-campus) were conducted by the Sardar Smruti Kendra during January to March, 2016, wherein 418 farmers and 109 farm women participated from all over Gujarat.



*Farmers Training Programmes with GFFC (January 27, 2016) and GNFC (March 30, 2016) by SSK*

**Glimpses of KVK Activities**

KVKs (Amreli, Jamnagar, Khapat, Nana Kandhasar, Pipalia, Targhadia) organized 105 training programmes, wherein 3740 farmers including farm women and 209 extension personnel participated. KVKs organized 95 diagnostic visits, 576 field visits and 56 Kisan Goshti. Total 2953 farmers visited KVKs, whereas scientists from KVKs visited 848 farmers' fields.

**SAC Meets**

Scientific Advisory Committee (SAC) meeting of KVKs were organized to review the progress of KVK during 2014-15 and finalize the action plan for the year 2015-16. Dr A. R. Pathak, Hon'ble Vice Chancellor, Dr A. M. Parakhia, DEE, invitees and members of respective committees participated in the meeting. SAC meet was held at Khapat-Porbandar (February 23), Nana Kandhasar (February 23), Pipalia (February 26), Targhadia (February 26) and Amreli (February 24)



SAC Meeting at KVK, Targhadia on January 29, 2016



Various activities of KVKs

### New projects

The Department of Biotechnology, JAU, Junagadh has received following three project from ICAR (Extramural Project).

S. No.	Name of the Project	Duration	Sanction Amount	Collaborator
1.	Transcriptome and proteome analysis for identification of candidate genes responsible for pistillate nature in castor	2 Years (Likely to be extended)	65.00 Lakhs	1. Indian Institute of Oilseeds Research (IIOR) 2. Indian Agricultural Statistics Research Institute (IASRI)
2.	Genome and transcriptome sequencing of cumin ( <i>Cuminumcyminum</i> ) to reveal insight of its genomic architecture	2 Years (Likely to be extended)	34.65 Lakhs	1. National Research Centre on Seed Spices (NRCSS) 2. Indian Agricultural Statistics Research Institute (IASRI)
3.	Transcriptome analysis in coriander for identification of candidate genes against stem gall disease	2 Years (Likely to be extended)	35.20 Lakhs	1. National Research Centre on Seed Spices (NRCSS) 2. Indian Agricultural Statistics Research Institute (IASRI)

### Students qualified ICAR – ASRB NET 2015

Sr. No.	Name of Student	Subject
<b>College of Agriculture</b>		
1	Gohil Bhagirathsinh S.	Agronomy
2	Makwana Nilesh	Agronomy
3	Premkumari Karwasara	Agronomy
4	Awat Sisodiya	Ag. Chemistry
5	Savaliya Vishal A.	Plant Pathology
6	Donga Monika	Seed Sci.& Tech
7	Sachin Dhandge	Agri. Entomology
8	Parmar Sujata	Ag. Extension
9	Chovatiya Viral M.	Fruit Science
10	Bhuva Sarad K.	Fruit Science
11	Goswami Mayurgiri	Fruit Science
12	Aghera Samir R.	Floriculture&Landscaping
13	Mangroliya Gunjan S.	Floriculture &Landscaping
14	Hirani Anju B.	Floriculture & Landscaping
15	Vaghasiya Mital	Floriculture & Landscaping
16	Hirpara Darshana	Agril. Biotechnology
17	Desai Hiral	Agril. Biotechnology
<b>College of Agricultural Engineering and Technology</b>		
1	Jani Bhavesh	Processing and Food Engg
2	Gojiya Devanand	Processing and Food Engg
3	Vora Premal	Agril Business Management
4	Dwivedi Dhaval	Soil & Water Engineering
5	Wandre Sarika	Soil & Water Engineering
6	Kunpara Arvind	Soil &Water Engineering

### List of Retirements

Sr. No.	Name & Designation	Date of Retirement
1	Dr. N. D. Bharad, Asso. Professor	31-03-2016
2	Dr. H.B. Gardhariya, Asso. Professor	31-03-2016
3	Dr. H. K. Shobhana, Asso. Professor	31-03-2016
4	Shri A. V. Ardeshna, Agril. Officer	31-03-2016
5	Shri B. L. Udhad, Agril. Assistant	31-03-2016
6	Shri K. T. Sadaniya, Sr. Clerk	31-01-2016
7	Shri H. G. Langa, Jr. Clerk	31-01-2016
8	Shri L. A. Parmar, Farm Labour	29-02-2016
9	Shri P. D. Dave, Tractor Driver	31-03-2016
10	Ms. G. T. Gohil, Farm Labour	31-03-2016
11	Shri J. J. Vala, Hostel Attendant	31-03-2016

### Book Post

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