



### President

Dr. A. R. Pathak

### Vice-President

Dr. A. M. Parakhia

### Members

Dr V. P. Chovatia

Dr B. K. Sagarka

Dr N. K. Gontia

Dr P. H. Tank

Dr K. A. Khunt

Dr A. A. Vyas

### Editor

Prof. V. M. Bhatt

### Asstt. Editor

Dr. J. B. Patel

Prof. Seema Mandavia

### Editorial Assistan

Shri B. H. Tavethia

### Photograph

Shri Suresh Parmar

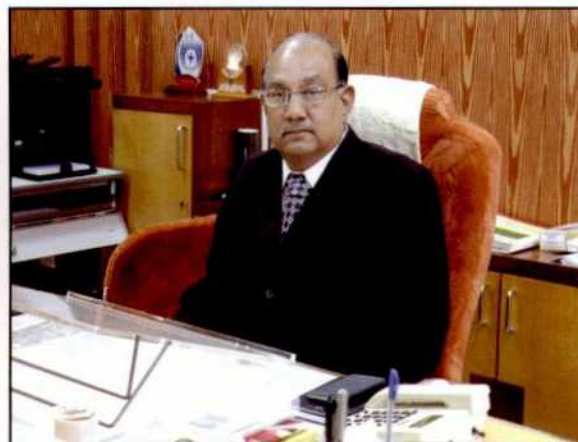
### Publisher

Director of Extension  
Education  
Junagadh Agricultural  
University  
Junagadh 362 001.

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

### Hon'ble Vice Chancellor's Message

The use of the chemical pesticides for the management of insect pests in different crops has been adopted by farmers at large due to immediate results. However, their continuous & injudicious use resulted into resistance and resurgence of insect pests. Hence, farmers have to switch over to the other alternatives for management of insect pests. In recent times, the IMP technologies for different crops have been suggested. During the management of insect pests, farmers should involve biopesticides in their pest management practices, as it is progressive and environmental friendly way to manage pests. It leaves behind no chemical residues that might have harmful effects on humans, other useful organisms as well as soil. Scientific use of these biopesticides can provide essentially permanent, widespread sustainable pest management with a very favourable cost-benefit ratio. In view of these, Biocontrol Research Laboratory was established during 2012 at JAU, Junagadh which is involved in the research and production of various bio-agents. So far, the laboratory has produced 365 tons of *B. bassiana* and 512 tons of *Trichoderma* which are provided to the farming community at reasonable cost. The farmers of Saurashtra region used the *B. bassiana* in cotton and groundnut increased yield to the tune of 32% during last five years besides economic benefits. In addition to this, about 1.85 lakh pheromone traps and 3.15 lakh lures for pink bollworms, *H. armigera*, *S. litura* and brinjal shoot and fruit borer; 3250 bottles of NPV, 2900 lures and 2020 traps for fruit fly were produced and given to the farming community. For the development of entrepreneurship of agriculture students, Experiential Learning Programme (ELP) or Student Ready Programme (SRP) has been started in 2016. As part of course curriculum, inventor of this technology has initiated ELP in Biocontrol Research Laboratory to entrepreneur students of under graduate (UG) and Post graduate (PG) of agriculture faculty. Since last two years, total 85 UG and 24 PG students participated in learning the technology. They generated Rs. 22 lakh by selling these products to farming community, from which each student shared Rs. 15000 profit. Mating Disruption Paste (MDP) technology use for the eco-friendly management of insect pests like pink bollworm, *Heliothis*, *Spodoptera* and brinjal shoot and fruit borer is also tried which is at final stage of recommendation. An innovative multi-functional trap for managing insect pests also developed by University scientists, which worked in any crop and in any season, for the effective management of lepidopterous insect pests. As a result of University efforts, the interest of farmers for use of biopesticide is increasing year after year which will provide healthy foods along with eco-friendly managing the environment.



A. R. Pathak

## SPECIAL PROGRAMME

### Bhumipujan of "College of Agriculture & Boy's Hostel"

On the day of Gandhi Jayanti, October 2, 2017, Bhumipujan ceremony of "College of Agriculture & Boy's Hostel" was performed at Krishi Vigyan Kendra, JAU, Khapat-Porbandar, the holy birthplace of Mahatma Gandhi, where JAU has established its third college of Agriculture in 2017. Shri Chimanbhai Sapariya, Hon'ble Minister of Agriculture and Power, Government of Gujarat in the auspicious presence of Shri Babubhai Bokhiriya, Chief Guest and Hon'ble Minister, Water Supply, Animal Husbandry, Cow Breeding and Salt industries, Government of Gujarat and Dr AR Pathak, Hon'ble Vice Chancellor, Junagadh Agricultural University, Junagadh, laid down the foundation stone for infrastructures. A large number of farmers, students and citizens & dignitaries of Porbandar

witnessed the event.

અગ્રીકલ્ચર કોલેજ બિલ્ડીંગનો  
ભૂમિપૂજન સમારોહ  
તારીખ: ૦૨-૧૦-૨૦૧૭



Bhumipujan of "College of Agriculture & Boy's Hostel"

## CELEBRATION

### Agricultural Education Day

The Indian Council of Agricultural Research had decided to celebrate the birthday (3 December) of the first Indian union agriculture minister (1946) and the first President of Independent India, Bharat Ratna, Dr. Rajendra Prasad as Agricultural Education Day. Agricultural Education Day was celebrated at

the CAET Seminar Hall on December 03, 2017. On this occasion, Dr. N. K. Gontia, Principal & Dean, CAET and Dr. P M Chauhan, Prof. & Head, REE, CAET delivered lecture on History of Agriculture and Agril. Engg. Education in India. A quiz competition on General knowledge in the field of Agriculture and Agril. Engg. was also organized. About 160 UG & PG students enthusiastically participated in the programme.



Celebration of Agricultural Education Day

### National Seed Day

Department of Seed Science and Technology, College of Agriculture, JAU, Junagadh celebrated the "National Seed Day" on October 1, 2017 at Village Jinjari, Ta: Manavadar of Junagadh District, wherein more than 150 farmers participated. Dr VJ Bhatiya, Professor and Head of DSST, elaborated the benefits of quality seed production and



Celebration of "National Seed Day"

highlighted the activities done by the JAU in the field of seed production. The farmers were trained on seed production technology as well as plant protection measures in crops like groundnut, cotton, pigeonpea, mungbean, urdbean, wheat, sesame, etc. by the experts of respective crops.

### **Thalassemia screening camp**

Every year, JAU organizes Thalassemia screening camp for all its newly admitted students of all the College and Polytechnics. On November 9-10, 2017 a camp was organised which was inaugurated by Dr A R Pathak, Hon'ble Vice Chancellor, JAU, Junagadh in an auspicious presence of Dr G K Gajera, Well-known Pathologist; Dr P V Patel, DSW; Shri Nilesh Bharatiya, Field Manager, Indian Red Cross Society, Ahmadabad; and Deans of various colleges of JAU, Junagadh. Add up to 699 Blood tests of the students of the Colleges and Polytechnics were performed for screening of Thalassemia.



*Thalassemia screening camp*

### **Health Check-up Camp**

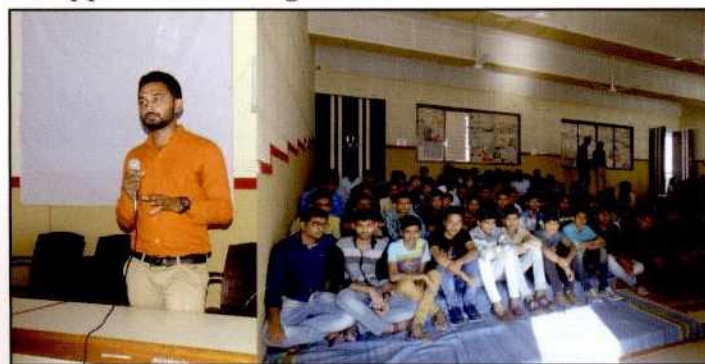
Smt. Kailashben Pathak, President, JAU Mahila Mandal and Dr AR Pathak, Hon'ble Vice Chancellor, JAU inaugurated Health Check-up Camp organized at Health Centre, JAU, Junagadh in collaboration with Rotary Club of Junagadh on December 03, 2017 for diagnosis of health of girls, women employees of the university and member of Campus Mahila Mandal. Total of 256 girl students and women were checked for health by known Gynecologist, Dermatologist, Dentist, General Physician and Orthopedic surgeons who rendered their benevolent services.



*Health Check Camp*

### **Orientation Programme**

A one-day Entrepreneurship Orientation Programme was organized at College of Agriculture, Mota Bhandariya on December 28, 2017 by the NSIC – National Small Industrial Corporation (A Central Government Undertaking), Rajkot. During this event, the speaker Mr Parag Kakaiya (Startup Coach) Introduced students to NSIC activities and concept of entrepreneurship, MSME concepts, types of small business entities, the process of setting up of new enterprises, various govt. approvals, preparation of project profiles. A one-day awareness programme informing the students regarding the Junior Research Fellowship (JRF) examination was also organized at college premises. On this occasion a student of the first batch of College of Agriculture, Mota Bhandariya, Zala Rakesh (now an MSc student of Central University, Pusa, Bihar) and Sondarva Yagnesh (now a PhD student of IARI, New Delhi shared gems of motivation for opportunities in agriculture.



*Orientation Programme at College of Agriculture, Mota Bhandariya, Amreli*

## **TRAINING PROGRAMME**

### **Safe & Judicious Use of Pesticides and IPM**

One day training programme on "Safe & Judicious Use of Pesticides and IPM" was jointly organized by Hindustan Insecticides Ltd (Govt. of India Enterprise), New Delhi and JAU, Junagadh on December 28, 2017. Dr A R Pathak, Hon'ble Vice Chancellor, JAU inaugurated the programme. Dr Sain Dass, Ex. Director, DRMP, New Delhi; Dr T Radhakrishnan, Director, DGR, ICAR, Junagadh; Dr Ajit Verma, Manager, HIL; Dr AM Parakhia, Director of Extension Education, JAU graced the event in which 480 farmers participated and impared training on how to use pesticides effectively. Dignitaries and Experts shared valuable information on the residual effect of pesticides and its effect on human health and ecosystem. The video introduction on "Pesticides and Cancer" drawn considerable interest in participants. Professor, Plant Pathology and Entomology shared

essential information on fungicides, insecticides and Bio-agents in agriculture.



*Training programme on "Safe & Judicious Use of Pesticides and IPM"*

### Training on "Processing and Cultivation Practices of Spices Crops"

Looking to the potentials of spice crops in the generation of income to farmers, a one-day training on "Processing and Cultivation Practices of Spices Crops" was organized at KVK, Nana Kandhasar on December 29, 2017 wherein more than 100 farmers and farm women participated. The aim of this training was to create awareness among the farmers about full package of practices in spices crops. Dr AM Parakhia, DEE, JAU, Junagadh; Dr VP Chovatia, DR, JAU, Junagadh; and Dr MA Vaddoria, Research Scientist (Vegetables), JAU, Junagadh imparted training on package of practices for cultivation and processing of spice crops.



*Training on "Processing and Cultivation Practices of Spices Crops"*

### "Campus to Corporate" Training Programme

A fresher in the transition from campus to corporate has a big challenge to adapt to the change, their travel is from assignments and semesters to team-work and deadlines. In order to provide the skill & knowledge to cope up with a corporate job, a campus to corporate training programme was conducted on November 21, 2017, where in 85 students of Polytechnics in Horticulture and Agro-processing, JAU, Junagadh participated. The training was imparted by Dr Mehul G. Thakkar, Associate Professor, NAU, Navsari.



*Campus to Corporate Training Programme*

## SPORTS

### Inter-Collegiate Kabaddi and Kho-Kho tournaments

Inter-Collegiate Kabaddi and Kho-Kho tournaments organized on October 13, 2017 by College of Horticulture, Junagadh. It was inaugurated by Dr AR Pathak, Hon'ble Vice Chancellor, JAU, Junagadh in



*Inauguration of Inter-Collegiate Kabaddi and Kho-Kho tournaments*

presence of Dr PV Patel, DSW, JAU, Junagadh. Dr Pathak, in his inaugural address, motivated the players and extended his best wishes for the success of tournaments. College of Agriculture, Junagadh secured the first position in both the games.

### Inter-Collegiate Cricket and Chess tournaments



**Inauguration of Inter-Collegiate Kabaddi and Kho-Kho tournaments**

Inter-Collegiate Cricket and Chess tournaments organized during November 3-5, 2017 by PGI ABM, JAU, Junagadh. It was inaugurated by Dr KT Tilva, Principal, Bahauddin Arts College, Junagadh. Dr VP Chovatia, DR, JAU, Junagadh presided over the inaugural function. College of Veterinary Science & Animal Husbandry performed well and won both these games.

### Inter Agricultural University Participation

Gujarat State Inter Agricultural University Volleyball, Badminton and Table Tennis tournaments for girl students organized on November 8, 2017 by NAU, Navsari wherein 20 students from JAU, Junagadh participated. In these tournaments, Table Tennis team of JAU girls secured the first position. While the badminton team of girls remained at second place. Gujarat State Inter Agricultural University Volleyball, Basketball and Badminton for boys organized on December 18-19, 2017 by SDAU, Sardar Krushinagar, wherein JAU Badminton team of boys got second position. Gujarat State Inter Agricultural University Kabaddi, Kho-Kho and Table-Tennis tournaments organized by AAU, Anand on November 24-25, 2017, in which JAU boys team of Table tennis and Kho-kho won the championship. Gujarat State Inter Agricultural University Cultural & Literary competitions organized on October 5, 2017 by NAU, Navsari, in which the participants of JAU secured the first position in Folk Dance and Extempore.

### Inter Agricultural University Staff Tournaments

Gujarat State Inter Agricultural University Cricket, Badminton and Table-Tennis tournaments of employees organized on November 23-25, 2017 at NAU, Navsari in which 21 staff member of JAU, Junagadh participated. Badminton team of JAU staff secured the second position.

## NSS ACTIVITIES

As a part of "Swachh Bharat Mission", 2nd "Swachchhta Hi Seva Pakhwada" launched by the Govt. of Gujarat, Gandhinagar during September 15 to October 2, 2017. During this period cleaning activities carried out by the volunteers of NSS units of JAU, Junagadh in College, Hostel Premises, road side, sports complex, etc. Junagadh Municipal Corporation conducted a competition on the theme of Swachchhata Mission. The cleaning work of all institutions were evaluated by the committee formed by the District Administration and Junagadh Municipal Corporation. The Committee selected JAU as the best amongst all educational institutes of Junagadh city. These activities were carried out by the inspiration and guidance of Dr AR Pathak, Hon'ble Vice Chancellor, JAU, Junagadh. Junagadh Municipal Corporation organized a function on October 12, 2017 at Pandit Dindyal Upadhyay Meeting Hall of JMC, and a trophy was awarded by JMC Mayor to JAU, Junagadh to Dr PV Patel, DSW, & Co-coordinator, NSS on behalf of JAU, Junagadh.



**"Swachchhta Hi Seva" Award to JAU, Junagadh**

## STUDENT COUNSELING

### Student Counseling in Placement

Two campus interviews were conducted during October - December, 2017 by International Tractor and Mahindra & Mahindra for the students of CAET, JAU, Junagadh. Two students of BTech. were selected by International Tractor, while Mahindra & Mahindra have shortlisted 18 students.



*Student Counseling in Placement*

## SPECIAL LECTURES

### Scope of Agricultural Engineering in micro-irrigation sector

**Er. Paresh Parsana**, State Head, Irrilink Drip Irrigation Industries, Baroda guided students of Post Graduation and 5<sup>th</sup> and 7<sup>th</sup> semester B.Tech. of CAET about the scope of agricultural engineering in micro irrigation sector on November 10, 2017 at CAET, JAU, Juangadh.



*Special Lectures organized by CAET, JAU, Junagadh*

### An Inspiring Lecture on Spirituality :

Rev. Nikhilprana Mataji, the President of Sri Sarada Math the first and only branch Centre of Sanyasinis, where the learned women from all the parts of India, who have left their hearths and homes to lead God-centred, dedicated, spiritual lives carry out welfare services of society on the ideals of Swami Vivekananda threw light on holy objectives and activities of Sri Sarada Math to



girls-students, women staff and women of Mahila Mandal. The programme was presided over by president of 'Krusha Parivar Mahila Mandal'. and office bearers of Mahila Mandal.

## GLIMPSES OF SSK ACTIVITIES

Total two on-campus training programmes were organized by the Sardar Smruti Kendra, JAU, Junagadh during October-December, 2017, where in total of 20 farmers and 43 farm women participated.



*Dr AM Parakhia, DEE, JAU, Junagadh addressing the farm women of Khambhat, Dist: Anand during their three days training programme under ATMA Project at SSK, JAU, Junagadh(December 27, 2017)*

## GLIMPSES OF KVK ACTIVITIES



*Inauguration of Agricultural Technology Week at KVK, Junnagar (October 3, 2017)*



*Prof. PSSharma, SMS (Home Science)at Mahila Farmers' Trainings programme at KVK, Pipaliya*



*Academic Council Meeting of JAU, Junagadh held on December 15, 2017*



*Dr AR Pathak, Hon'ble Vice Chancellor, JAU, Junagadh addressing the farmers of Jasadan and Manavadar taluka in farmer training programme organized by Cotton Research Station, JAU, Junagadh in collaboration with Vardhaman Textile, Gondal on November 10, 2017*

**PHOTO SPEAKS**



*Shri RC Faldu (Minister of Agriculture, Rural Development, Fisheries, Animal Husbandry and Transport, Government of Gujarat) welcome by Dr AR Pathak, Hon'ble Vice Chancellor, JAU on his first visit to JAU, Junagadh on December 30, 2017*



*Dr AR Pathak, Hon'ble Vice Chancellor, JAU, Junagadh addressing the faculty of JAU, Junagadh on the occasion of "Sneh Milan" of new year held on October 23, 2017*



*Dr AR Pathak, Hon'ble Vice Chancellor welcomes Dr. Peter S. Carberry, Deputy Director General (Research), International Crops Research Institute for the Semi-Arid Tropics, Patancheru, Telangana*



*Celebration of 148<sup>th</sup> Birth Anniversary of Father of the Nation Mahatma Gandhi at JAU, Junagadh on October 2, 2017 by offering floral tribute on the Statue of Mahatma Gandhi and taking part in Swachhha Bharat Mission*



*NSS Volunteers of College of Fisheries, Veraval, celebrated world Lion's day on October 8, 2017 in association with Department of Forest*

## PUBLICATION

One Booklet “Khedut Upyogi Sanshodhan Balaman-2017” was published by Sardar Smruti Kendra, Directorate of Extension Education, JAU, Junagadh during November 2017.



## VISITORS

**Dr Peter S. Carberry, Deputy Director General (Research), ICRISAT, Telangana visited JAU, Junagadh**

Dr Peter S. Carberry, Deputy Director General (Research), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru, Telangana visited JAU, Junagadh on October 7, 2017 along with Dr T. Radhakrishnan, Director, ICAR-DGR, Junagadh and Dr P. Janila, Principal Scientist (Groundnut Breeding), ICRISAT. They had an interaction meeting with Dr AR Pathak, Hon'ble Vice-Chancellor, JAU, Junagadh, University officers and Scientists of JAU, Junagadh. They discussed regarding research on groundnut, pearl millet and chickpea undergoing in collaboration with ICRISAT. There was a thorough discussion on various areas of research on which further collaborative research programmes can be taken up jointly. They also visited the field of Main Oilseeds Research Station, JAU, Junagadh to exchange ideas with scientists. They were



**Dr Peter S. Carberry, Deputy Director General (Research), ICRISAT, Telangana visited JAU, Junagadh**

impressed by the activities of JAU and showed a keen interest in collaborative programmes for agricultural research on groundnut, chickpea and pearl millet crops.



**Mrs Bhattacharya, Sanchita, Deputy Director and Mr Chauhan, Jagbir Singh, Assistant Director from NILERD, New Delhi visited KVKs, Amreli and Targhadiya**

## Our colleagues who retired ...

No.	Name, Cadre
1	Dr. C.K.Mandavia, Professor (Dec 2017)
2	Dr. P.K.Kapadia, Professor (Nov 2017)
3	Shri A.N.Makwana, Professor (Dec 2017)
4	Dr. R.A.Gupta, Professor(P) (Nov 2017)
5	Shri S.V.Rathod, Assistant Professor (Oct 2017)
6	Ku. K.D. Patel, Agril. Officer (Oct 2017)
7	Shri V.R. Nimavat, Veterinary Officer (Oct 2017)
8	Shri P.L. Dave, Agril. Supervisor (Oct 2017)
9	Shri N.V. Bhadja, Agril. Supervisor (Oct 2017)
10	Shri R.D. Dalshaniya, Agril. Supervisor (Nov 2017)
11	Shri V.N. Marvaniya, Agril Supervisor (Dec 2017)
12	Shri V.J. Ghetiya, Labo. Supervisor (Dec 2017)
13	Shri J.B. Giri, Senior Clerk (Dec 2017)
14	Shri Y.B. Joshi, Peon (Oct 2017)
15	Shri J.G. Detroja, Tractor Driver (Nov 2017)
16	Smt. G.N. Jamod, Lab. Attendant (Nov 2017)
17	Shri K.M. Kakdiya, Lab. Boy (Oct 2017)

## Book Post

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

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