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Vice Chancellor's Desk

Animal Husbandry and dairying play a key role in national economy and social transformation of the country. India is endowed with largest livestock population in the world which accounts about 57 per cent of world's buffalo population and more than 14 per cent of the cattle population. There are about 71.6 million sheep, 140.5 million goats and about 11.1 million pigs in the country. India is the largest milk producer in the world

with production of 133 million tonnes of milk during 2012-13. In world, India ranks third in egg production and fifth in meat production. Livestock sector plays a significant role in supplementing family income and generating gainful employment in rural areas mainly among the landless labourers, small and marginal farmers. Livestock are the best natural resource for economic insurance of family against draught condition and natural calamities.



The contribution of livestock sector in total GDP of Gujarat state is 5.08 and its share in GDP of Agriculture and allied sector is 24.46 per cent. Average 15 to 16 per cent growth rate is observed in contribution of Animal Husbandry in the state GDP. It is a matter of pride that Gujarat is highly enriched with genetic resources of cattle (Gir, Kankrej), Sheep (Patanwadi, Marwari), Buffalo (Mehsani, Jaffarbadi, Surti and Banni), Goat (Kachchhi, Surti, Zalawadi, Mehnsani and Gohilwadi), Horses (Kathiawadi, Marwari and Sindhi) and Camel (Kachchhi) as well as poultry.

Because of rapid increase in population in the country, the food security has become major issue in agricultural sector. At present, sustainable livestock production, ensuring better health and market competence are major challenges in livestock sector. Globalization and increased international trade in animals and animal products, herd health, balanced nutrition and bio-security measures have prime importance to maintain continuous flow of livestock product markets. There is need to improve production of milk by genetic improvement through conservation of indigenous breeds. JAU is also playing a key role with functional extension network for effective transfer of technologies to livestock farmers so they can compete in global market and tackle food security issues. It will indirectly influence employment opportunities in rural areas for development of livestock sector.

N. C. Patel

Organising Mega Event in Morbi and Launching of i-Kisan portal and Mobile apps

Hon'ble Chief Minister of Gujarat state, Smt. Anandiben Patel inaugurated the mega event of *Krushi Mahotsav* at Morbi town of Saurashtra region on May 28, 2014, organized jointly by District Administration, Morbi and JAU, Junagadh. Hon'ble Chief Minister had also launched i-Kisan Portal and Mobile Apps, which provides instant, updated information such as prices of agril. produces at farm-markets, availability of fertilizers and others to the farmers of Gujarat. The inaugural function was also attended by Agriculture Minister Shri Babubhai Bokharia; other Cabinet Ministers, Shri Bhupendrasinh Chudasama, Shri Saurabh Patel, and Ministers of State, MPs, MLAs and other government officials. In addition to them, state BJP president Shri R.C. Faldu and farmers and women from 10 districts of Saurashtra region had attended the function. Addressing the large number of farmers, men and women, who defying the scorching heat of mid-summer had arrived to attend the *Krushi Mahotsav-2014*, Smt. Patel said, "The agriculture development ratio of Gujarat has touched the remarkable mark of 17% and agriculture produces was 1.11 lakh crore. At the beginning of the *Krushi Mahotsava*, Smt. Patel had honoured progressive farmers by giving them a shawl and award. On this occasion, Agriculture Minister Mr. Babubhai Bokharia, District-in-charge Minister Mr. Saurabh Patel, Education Minister Mr. Bhupendrasinh Chudasama and BJP State President Mr. R.C. Faldu and other State Ministers had also delivered their occasional speeches. Dr N. C. Patel, Hon'ble Vice Chancellor and other authorities were present on this occasion. Agricultural exhibition comprising 90 stalls from JAU and other private/public agencies/companies were visited by more than 25000 farmers/farm women. A seminar on "*Sankalit Pak Sarankshan-Jaivik Niyantarakonu Mahatva*" and "*Badlata vatavaranma pashu Poshan ane Pashu Mavjat*" delivered by the experts from JAU on May 28 and 29, respectively, wherein 450 farmers get benefitted.



Smt Anandiben Patel, Hon'ble Chief Minister, Gujarat inaugurating the Krushi Mahotsav 2014 at Morbi



Smt Anandiben Patel, Hon'ble Chief Minister, Gujarat welcomed by Dr N. C. Patel, Hon'ble Vice Chancellor with the garland of groundnut pods



Smt Anandiben Patel, Hon'ble Chief Minister, Gujarat opening the agricultural exhibition for farmers at Morbi



Smt Anandiben Patel, Hon'ble Chief Minister, Gujarat addressing the farmers



Dr N. C. Patel, Hon'ble Vice Chancellor showing products developed by JAU scientists to Smt Anandiben Patel, Hon'ble Chief Minister and Shri Babubhai Bokhiria, Agri Minister

CELEBRATION of KRUSHI MAHOTSAV 2014

The Krushi Mahotsav 2014 started on May 26, 2014 in 10 districts of Saurashtra region. Total 81 Krushi Rath visited large number of village clusters where farmers, farm women and youth participated in discussion on modern agricultural practices. Various issues related to farming, animal husbandry, fisheries, farm machinery, etc were discussed during meetings. Scientists of JAU and officers of line departments remained present during all meetings. Special control room was operated at JAU for monitoring of the mahotsav. Dr N. C. Patel, Hon'ble Vice Chancellor, JAU visited Panvi Village (Taluka: Vallabhipur, Dist: Bhavnagar) on June 8, 2014 to participate in Krushi Mahotsav. Dr A. M. Parakhia, DEE also participated on June 8, 2014 at Pipalia (Tal:Rajkot, Dist: Rajkot) village in Krushi Mahotsav meeting.

TRAINING

Training on Latest Research in Agriculture, Horticulture and Animal Husbandry

A training programme on "Latest Research in Agriculture, Horticulture and Animal Husbandry"

organized by ATMA Directorate, SAMETI and JAU, Junagadh from April 23-25, 2014 at JAU, Junagadh. Dr A. M. Parakhia, DEE inaugurated the training programme. In his inaugural address, he advised the participants and extension workers to study the latest innovation production technologies adopted by the farmers in the field of Agriculture, Horticulture, Animal Husbandry, etc.



Dr A. M. Parakhia, DEE inaugurating the training programme

Training on Seed Production and Distribution of Kits to ST Farmers

Training on "Seed Production in the Field Crops" was organized by the Department of Seed Science and Technology, Junagadh Agricultural University, Junagadh under TSP Scheme at Chotlividi village (Ta: Mangarol) of Junagadh district on June 21, 2014. Total of 162 Schedule Tribe farmers from 33 different villages participated and as per the objectives of the TSP Scheme, one Knapsack Sprayer Pump and a set of 5 agricultural equipments (*Sickle, Kodali, Pavado, Panjeti and Tabadaku*) were distributed to all the 162 farmers at free of cost. Dr A. V. Barad, Principal and Dean, College of Agriculture, Junagadh was present on this occasion and shared his views with the farmers. Dr A. S. Joshi, Dr J. B. Patel and Shri A. G. Patel, addressed the farmers on seed production technologies and scientific farming of field crops.



Dr A. V. Barad, Principal & Dean addressing the farmers

Training by SSK

Three trainings conducted by Sardar Smruti Kendra for the progressive farmers of Mehsana district (June 16, 2014) and for the progressive farm women of Babapur (June 21, 2014) and Monpari (June 24-26, 2014), wherein 57 farmers and 208 farm women were trained on various improved practices including modern agricultural technology for increasing crop production. One more training programme organized for women farmers under Centre for Communication Network Scheme during May 5-7, 2014, wherein 40 women farmers from Mandan Kundala, Shivrajgad and Koditar (Ta: Gondal, Dist: Rajkot) participated. All these trainings were inaugurated by Dr A. M. Parakhia, DEE, JAU.



Dr A. M. Parakhia, DEE interacting with progressive farm women of Monpari

Training Programme under T & V Scheme

Two training programmes viz., Pre-seasonal (Kharif) training (May 7-8, 2014) and Bi-Monthly Training Programme (June 25-26, 2014) under T & V scheme were organized by DEE at JAU, Junagadh to upgrade the knowledge of officers working under Directorate of Agriculture, Gujarat State.



Dr A. M. Parakhia, DEE addressing the officers during Bimonthly Training Programme

SEMINAR

One day seminar on *Varsha Vigyan* was organized jointly by JAU and *Varsha Vigyan Mandal* on June 2, 2014 at Conference Hall of College of Agriculture, JAU, Junagadh. Dr P. R. Godhani, Member, Board of Management, JAU inaugurated the seminar. Dr A. M. Parakhia, DEE, JAU welcomed the dignitaries and farmer forecasters arrived from various parts of state. Dr C. J. Dangaria, Director of Research, suggested participants to include more scientific validation with traditional wisdom. Dr A. O. Kher, Former Associate Director of Extension Education, JAU highlighted the sustained efforts to predict the weather with accuracy. Dr D. D. Malavia congratulated the participants for their contribution in forecasting and verification of forecast on actual observations.



Dr P. R. Godhani, Member, Board of Management, JAU inaugurating Varsha Vigyan seminar

MEETING

Meeting on “World Environment Day”

A Meeting on “World Environment Day” organized by Main Dry Farming Research Station, JAU, Targhadia under NICRA project on June 6, 2014 at village Patameghpar (Ta: Kalawad, Dist:- Jamnagar), wherein 40 farmers participated actively. The meeting was chaired by Dr. G. S. Sutaria, Research Scientist (Soil Science) & Co PI-NICRA Project, DFRS, JAU, Targhadia. In his remarks, Dr Sutaria said that it is a good step toward the neat and clean environment of the world. The industrialization rapid damages the world environment by its harmful gases in the air which also damage the ozone layer. He also talked about for creating awareness regarding the judicious use of limited natural resources and the importance of preserving the ecological and environmental balance.



Meeting on “World Environment Day”

PRIDE

It is a matter of great pleasure that according to GHRDC-CSR Survey 2014, College of Agricultural Engineering and Technology, JAU, Junagadh ranked 5th among all the engineering colleges of Gujarat. At National level, it ranked 15th in top Government Engineering Colleges and ranked 23rd among top emerging engineering colleges of excellence of the country. Dr N. C. Patel, Hon'ble Vice Chancellor, JAU congratulated all the faculty members, students and staff of the college for their keen interest, sincere efforts and hard work.



College of Agricultural Engineering & Technology, JAU, Junagadh

Clearance of GATE 2014 Exam

Two students, Mr. Utkarsh and Mr. Brijesh Kamani of College of Agricultural Engineering and Technology, JAU, Junagadh have cleared the GATE-2014 examination and secured 66th and 129th position in India, respectively.

Students Counseling and Placement

As a part of student counseling and placement, 7 campus and 3 off campus interview were conducted by various organizations/ companies and 51 students (32 from College of Agricultural Engineering & Technology, 9 from College of Agriculture and 10 from Polytechnic in Horticulture) were selected in Krishitek, Pvt. Ltd. Satara (15), Jain Irrigation (06), Netafim (16), VST Tillers Tractors Ltd., Bangalore (06), Sagar Polytek Ltd., Rajkot (08).



Student Counselling and Placement at JAU

ANNUAL DAY

Annual day function of College of Veterinary Science & Animal Husbandry was held on April 11-12, 2014. The function was chaired and inaugurated by Dr N. C. Patel, Hon'ble Vice Chancellor, JAU, Junagadh. The function was graced by distinguish guests; Dr C. J. Dangaria, DR; Dr P. V. Patel, DSW; Shri Dhansukhbhai Mehata, Managing Trustee, Shri Bhanvad Panjrapol Trust, Bhanvad; and Dr Shailesh Makadiya, M. D. Radhe Industry, Rajkot. During the two days, students and teachers of Veterinary College had actively participated in quiz, sports and various cultural programmes. Mr. Jimmy Patel was awarded prize and certificate by Hon'ble Vice Chancellor, who got Silver Medal in Javelin Throw competition of Agricultural Universities at National level held at Jorhat (Assam). Dr. N.C. Patel, Hon'ble Vice-chancellor congratulated the students for their active participation and presenting best of their talent in annual gathering. The distinguish guests in their speeches, had emphasized on the importance of annual day in students' life. Dr P. H. Tank, Principal & Dean, also appreciated the efforts made by students for grand success of function.



Dr N. C. Patel, Hon'ble Vice Chancellor inaugurating the Annual Day



Students participation in Annual Day



Dr N. C. Patel, Hon'ble Vice Chancellor awarded prize to Shri Jimmy Patel

FAREWELL FUNCTION

Sneh farewell function was organized to convey warmth to outgoing students of final year of B. Tech (Agril. Engg.) on April 8, 2014. Dr N.C. Patel congratulated students and inspired them to win the race of success with sustained efforts and values in life. Dr C. J. Dangaria, DR; Dr A.M. Parakhia, DEE; Dr P. V. Patel, DSW; Dr N. K. Gontia, Principal & Dean, CAET; and all the professors of CAET graced the

function. Certificates of excellence in various sports and cultural activities performed by students were distributed.



Dr N. C. Patel, Hon'ble Vice Chancellor inspiring students of CAET in farewell function

FELICITATION

Felicitation of Winner Students by Hon'ble Chief Minister

JAU students who won the Silver medals in Table Tennis (men) and Javelin throw as well as won the Bronze medal in Disc throw at the 15th All India Agricultural University Sports & Games Meet (AGRIUNISPORTS) held at Jorhat (Assam) were honoured and felicitated by Hon'ble Chief Minister of Gujarat, Smt. Anandiben Patel during mega event of Krushi Mahotsava 2014 at Morbi on May 28, 2014.



Smt Anandiben Patel, Hon'ble Chief Minister, Gujarat honored the winners of AGRUNISPORTS

VISIT

Shri Rajkumar visited Cattle Breeding Farm

Shri Rajkumar, Principal Secretary, Department of Agriculture & Cooperation, Government of Gujarat, Gandhinagar visited the Cattle Breeding Farm of JAU, Junagadh on April 8, 2014.



Shree Rajkumar accompanied by Dr N. C. Patel, Hon'ble Vice Chancellor, JAU during his visit to CBF

Dr. Y.V. Singh, ZPD, Jodhpur Visited KVK, Amreli

Dr. Y. V. Singh, Zonal Project Director (Zone VI) Jodhpur visited Krushi Vigyan Kendra, JAU, Amreli on May 25-26, 2014. He observed various activities of KVK and appreciated the staff of KVK for their team work. He had also visited solar pump demonstrated on KVK farm and suggested that more and more farmers should be visited for this solar pump demonstration at KVK for adoption. Dr Singh also visited Samokheti, Bordi village of Dhari taluka and expressed his joy over successful cultivation of farmer and linkage of farmer and KVK.



Dr Y. V. Singh, ZPD, KVK visited KVK, Amreli

Pujya Jashbhai Sahebji, Inspirer of Anoopam Mission visited JAU

Guruvarya Param Pujya Sahebji, Inspirer of Anoopam Mission (Mogri, Anand) visited JAU on May 31, 2014. Dr N. C. Patel, Hon'ble Vice Chancellor, JAU welcomed Sahebji, Pujya Ashwinbhai and other members of Anoopam Mission. G.P.P. Sahebji and Pujya Ashwinbhai visited few of the important sections

of the university along with Dr N. C. Patel, Hon'ble Vice Chancellor. They were shown high-tech exhibition of seed production technology, educational museum, AGRISNET studio, etc. G.P.P. Sahebji was extremely happy to see the developments and extended blessings for further development of the university. Dr C. J. Dangaria, Director of Research and Dr A. M. Parakhia, Director of Extension Education of JAU also accompanied during the visit.



Pujya Jashbhai Sahebji interacting with Dr N. C. Patel, Hon'ble Vice Chancellor during his visit to AGRISNET studio

Tenth, Combined Joint Meeting of Agricultural Research Sub-committees of SAUs

Tenth Combined Joint Meeting of Agricultural Research Council (AGRESKO-2014) of SAUs of Gujarat was held at JAU, Junagadh during April 9-11, 2014. Dr C. J. Dangaria, DR, JAU, Junagadh welcomed Shri Rajkumar, Chief Guest and Principal Secretary, Department of Agriculture & Cooperation, Government of Gujarat and Dr N. C. Patel, Chairman of the inaugural function and Hon'ble Vice Chancellor, JAU. He also welcomed the Hon'ble Vice Chancellors of other Agricultural Universities of Gujarat and all the dignitaries present on this occasion. He briefly highlighted the background, mandates and summary of the research activities of SAUs. While giving the opening remarks, Dr A. R. Pathak, Hon'ble Vice Chancellor, NAU, Navsari told that to address the future needs of ever increasing population of country; it is necessary to increase productivity by application of latest technologies involving multidisciplinary approach. Frontier areas of bio technology, nano technology, climate resilient research needs to be strengthened. Dr A. J. Kachhia Patel, Director of Animal Husbandry and Dr B. R. Shah, Director of Horticulture expressed their views with the galaxy of scientists. Dr. A. M. Shekh, Hon'ble Vice Chancellor, AAU, Anand informed the house about the new research initiatives required for the betterment of farming community. Shri Rajkumar, Principal Secretary, Department of

Agriculture & Cooperation expressed his views about the conditions of farmers; in spite of high production they are not getting good remuneration of their efforts. Market and price fixing system needs to be addressed in favour of farmers. He congratulated scientists for their valued research recommendations. He emphasized that "it is high time to disseminate latest technologies to the end users by improving extension functionaries." In his Chairman address, Dr N. C. Patel, Hon'ble Vice Chancellor, JAU has stressed on planning of research based on long term issues. He emphasized on mechanization of mandated crops, improvement in animal breeds and popularization of fish culture in scientific manner. During three days with elaborative and fruitful discussion, total of 153 recommendations were approved for farming community, of which 16 new varieties and 3 poultry strain/strain-cross released. In addition to that, 61 recommendations for scientific community and 512 new technical programmes were approved.



Inauguration of Tenth Combined Joint AGRESKO Meeting

VCI team visited Veterinary College, Junagadh

Inspectors nominated by Veterinary Council of India (VCI) had visited the College of Veterinary Science & Animal Husbandry, JAU Junagadh during June 12-14, 2014, to inspect college facilities for its VCI recognition. The convener of committee, Dr U. K. Garg, Dean, College of Veterinary Science & Animal Husbandry, Mhow (M.P.) was accompanied by two members, Dr B. V. Shivaprakash, I/c Dean, Veterinary College, Nandinagar, Bidar (Karnataka) and Dr. T. Madhava Rao, Professor & Head, Department of Veterinary Public Health, College of Veterinary Science, Sri Venkateswara Veterinary University, Rajendranagar, Hyderabad. Dr N. C. Patel, 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 Veterinary College

New Varieties released by JAU

Three new varieties have been developed and released for the farmers benefit. Dr N.C. Patel, Hon'ble Vice Chancellor congratulated all the scientists for their sincere efforts.

1. Chickpea: Gujarat Junagadh Gram-5 (GJG-5)



This chickpea variety developed by Pulses Research Station, JAU, Junagadh produces 27.61 and 12.25 per cent higher seed yield over check varieties Dahod Yellow and Gujarat Gram 1, respectively under irrigated condition in Gujarat. Seeds of this variety are of medium size and brown in colour. The variety has also resistant to wilt and stunt diseases.

2. Pigeonpea: Gujarat Junagadh Pigeonpea-1(GJP-1)



This pigeonpea variety developed by Pulses Research Station, JAU, Junagadh produces 71.14, 2.82, 29.12 and 25.23 per cent higher seed yield over check varieties, BDN -2, ICPL 87119, Vaishali and AGT-2, respectively during

Kharif season in South Saurashtra region. This variety is medium late (176 days) in maturing. GJP 1 is also found moderately resistant to wilt and SMD diseases. The seed of this variety is bold in size with white colour.

3. Garlic: Gujarat Junagadh Garlic-5 (GJG-5)



This variety of garlic developed by Vegetable Research Station, JAU, Junagadh recorded 23.34 and 26.93 per cent higher bulb yield over check varieties GG-4 and G-282, respectively during Rabi season in Saurashtra and

middle Gujarat. The bulbs of this variety are medium in size, compact and white in colour.

Glimpses of KVK activities

KVKs (Amreli, Jamnagar, Khapat, Nana Kandhasar, Pipalia, Targhadia) organized 120 training programmes wherein 5277 farmers, 104 farm women and 214 extension personnel participated. *KVKs* made 12 diagnostic visits, 13 filed visits, and organized 21 *KisanGoshti*. Total 5486 farmers visited *KVKs*, whereas scientists visited 437 farmers fields.

PHOTO SPEAKS



Dr A. M. Parakhia, DEE interacting with KVK Scientists



Extension Council Meet at JAU



Dr K. N. Shelat, IAS (Rtd.) on "Climate Smart Agriculture" on April 11, 2014 at 10th Combined Joint AGRESCO.

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