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PROMISING TECHNOLOGY

PKV bullock-drawn cotton planter

DPDKV, Akola has developed a bullock-drawn cotton planter. It has been approved in the 39th Joint Agresco Meeting held at Rahuri during 29-31 May 2011. The planter can be adjusted for row-to-row (of 30, 45 and 60 cm), as also for plant-to-plant spacing (of 15, 30, 45, 60, 75, and 90 cm). It has a suitable clutch for controlling the seed-metering mechanism. Since the weight of the planter is balanced on the wheel, it can be pulled easily by the bullock. The planter is highly suitable for marginal and small land holdings in rainfed farming too.



PKV citrus harvester

Vidarbha is known for oranges. Most of the area in Amravati and Nagpur divisions is under citrus species. The citrus growers in this region had major constraint damages during fruit harvesting. For easy harvesting, DPDKV, Akola developed a citrus harvester, made of PVC pipe having clutch at the bottom and cutter at the top end. Its easy operating facilitates for easy harvest of fruits. One person can harvest 15.6 kg/hr lemon and 59 kg/hr oranges.



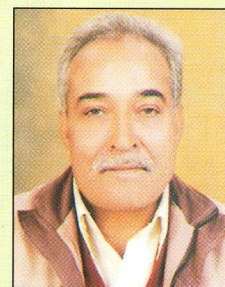
(Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola)



NEW VCs

Dr K.R. Dhiman, gets 2nd term as VC, DYSPUHF

On his successful completion of his first term, from 10 April 2008 to 9 April 2011, Dr K.R. Dhiman gets second term as VC, DYSPUHF, Nauni w.e.f. 24 May 2011. Dr Dhiman was born on 15 September 1948 at Ghumarwin, dist. Bilaspur (H.P.). He did B.Sc. Agric. (1971) and M.Sc. Genetics (1973) from GBPUAT, Pantnagar; and Ph.D. Genetics (1977) from PAU, Ludhiana. Before joining as VC, he served in various capacities in the ICAR system. He has 30 years experience of research and administration.



Dr K.R. Dhiman

Dr B. S. Dhillon joins as VC, PAU, Ludhiana

Dr Baldev Singh Dhillon took over as the 13th VC on 1 July 2011. Born in 1947, Dr Dhillon hails from village Doburji (near Amritsar) in Punjab. He is a renowned scientist of international repute who served Assistant Director-General, ICAR; Director, National Bureau of Plant Genetic Resources, New Delhi; Director of Research, PAU, Ludhiana, and Guru Nanak Dev University, Amritsar. Before taking over this assignment, he was working on maize biotechnology at University of Hohenheim, Stuttgart, Germany. Having a doctorate from Indian Agricultural Research Institute, New Delhi, Dr Dhillon worked on crop-improvement research and had major scientific breakthrough in maize breeding.



Dr B. S. Dhillon

Dr Dhillon received several national and international awards, such as DAAD Post-Doctoral Research, Humboldt Post-Doctorate Fellowship, University of Hohenheim Post-Doctoral Fellowship, appointment as Associate Scientist at International Maize and Wheat Improvement Centre, Rafi Ahmed Kidwai Memorial Prize of ICAR, NAAS Recognition Award, Om Prakash Bhasin Award, IARI Gold Medal, Dr Joginder Singh Memorial Award, etc. Dr Dhillon is a fellow of several coveted scientific academics including Indian National Science Academy (FNA), National Academy of Agricultural Sciences (FNAAS), India; National Academy of Sciences (FNASc.); Punjab Academy of Sciences (FPAS), India, etc. and has been associated with the editorial boards of various research journals. He published more than 350 research publications and many books.

Focus on Universities : Achievements and Events

DEEMED-TO-BE-UNIVERSITIES

INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR

ICAR zonal tournament of Eastern Zone



Dr R.B. Singh, inaugurating Zonal Tournament

A 5 day ICAR Zonal Tournament of Eastern Zone was held at Indian Veterinary Research Institute, Izatnagar, Where more than 400 sportspersons representing from 14 ICAR institutes of Eastern and North-Eastern regions had participated. Inaugurating it Dr R.B. Singh, President, National Academy of Agricultural Sciences, and former Chairman, Agricultural Scientists' Recruitment Board, New Delhi, emphasized the importance of games and sports, and said that a true sportsman knows to handle pressure situations of life with a smiling face.

During the tournament CRRI, Cuttack and IVRI, Izatnagar were adjudged the winner and runner respectively of overall Championship; whereas Mr P.K. Parida of CRRI, Cuttack and Miss E. Lineni Kikon of ICAR RC NEH, Barapani received the Individual Championship for Men and Women category, respectively.

MoU between IVRI and UK

A memorandum of understanding was signed between the IVRI of ICAR two



Prof. M.C. Sharma with dignitaries

UK institutions (Moredun Research Institute and University of Glasgow) on 17 June 2011 at Krishi Anusandhan Bhawan-II, ICAR, New Delhi, for developing a new live-vaccine for longer immunity against deadly haemorrhagic septicaemia. The project is being funded by Wellcome Trust Translation Award, the UK.

The agreement was signed by the Director and VC of IVRI, Prof. M.C. Sharma, the Consortium leader of Moredun (UK), Dr Chris Hodgson; Research Director, Indian Immunology Ltd., Hyderabad, Dr Srinivasan and Dr Richard Mole from Inocul (UK) in the presence of DG, ICAR & Secretary, DARE, Dr S. Ayyappan; DDG (AS), Dr K.M.L. Pathak; ADG (AH), Dr Gaya Prasad; Director NAIP, Dr Bangali Baboo; Joint Director (Academic) and PI of the project, Dr V.P. Singh. Representative from British Council, New Delhi, were also present.

UNIVERSITIES

New University: Profile in brief

ANDHRA PRADESH HORTICULTURAL UNIVERSITY, TADEPALLIGUDEM



Andhra Pradesh Horticultural University

Andhra Pradesh Horticultural University was established by Government of Andhra Pradesh, with its headquarters at Venkataramannagudem (near Tadepalligudem in West Godavari district) on 26 June 2007, carving out from Acharya N.G. Ranga Agricultural University, Hyderabad. It is the second horticultural university in the country. It has mandate for research, education and extension, relating to horticulture and allied subjects. The university at present has 4 colleges of Horticulture, 5 Horticultural Polytechnics, 27 research stations and 3 KVKs located in 9 agro-climatic zones of the state.

This university offers B.Sc. (Hons) Horticulture in four constituent colleges, viz. College of Horticulture, Anantharajupet (Kadapa district), Mojerla (Mahaboobnagar district), Rajendranagar (Ranga Reddy district) and

Venkataramannagudem (West Godavari district); M.Sc. (Horticulture) with specialization in Fruit Science, Vegetable Science, Floriculture and Landscaping Architecture and Spices, Medicinal and Plantation Crops; and Ph.D. (Horticulture) at College of Horticulture, Rajendranagar and Venkataramannagudem. The university established five Horticultural Polytechnics in rural areas to offer 2 year Diploma in Horticulture, viz., Horticultural Polytechnics are at Dasnapur (Adilabad district), Madakasira (Ananthapur district), Ramachandrapuram (East Godavari district), Ramagirikhilla (Karimnagar district) and Kalikiri (Chittoor district).

The APHU is conducting basic, applied, location / region specific and anticipatory research for the overall development of horticultural crops in the state at the 27 research stations.

The APHU recently established three KVKs at Venkataramannagudem, (West Godavari district), Pandirimamidi, (East Godavari district) and Ramagirikhilla, (Karimnagar district).

New University: Profile in brief

RAJASTHAN UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, BIKANER



Bijay Bhawan Palace (university administrative office)

Enactment

Rajasthan University of Veterinary and Animal Sciences, Bikaner was established under subsection (3) of Section 1 of Rajasthan University of Veterinary and Animal Sciences Act, 2010.

Mandate

- To plan, initiate, guide, co-ordinate and monitor research in the field of Veterinary and Animal Science.
- To maintain liaison with state and central governments, the ICAR, DST and other national and international funding agencies to obtain financial support for various veterinary and animal science research programmes.
- To monitor animal-health programme through disease investigation and surveillance.
- To impart quality professional education, to develop technologies suitable for promoting animal production in Rajasthan, to transfer technology to the field functionaries, and to develop a centre of higher learning, research and extension in the field of veterinary and animal science.

Objectives

- To make provision for imparting education towards development of quality human resource in different branches of study in veterinary and animal sciences.
- To further the advancement of learning and conduction of research.
- To undertake extension education.
- To promote partnership and linkages with national and international educational institutions.
- To generate liaison and establish vital linkages with the concerned line departments working in the fields of animal husbandry, fisheries and dairy development as well as animal technology in the state, these governed by the state and central government.
- To liaise with national and international research institutes specialized in the fields of veterinary, animal, dairy and fishery sciences as also animal technology to keep abreast with the latest technology.

Infrastructure

The university is located in the building of College of Veterinary and Animal Science, Bikaner, spread over 200 acres (ha). It has sophisticated equipments and well-equipped facilities for teaching, research and extension. The university has 10 teaching campuses as Veterinary Colleges (3 constituent and 7 affiliated private colleges), 49 Animal Husbandry Diploma Institutes (2 constituent, 4 government of Rajasthan and 42 private affiliated), 6 Livestock Research Stations, 1 Apex Centre for Animal-Disease Monitoring and Surveillance, and 1 Post-Graduate Education and Research Centre, spread all over the State.

Education

Rajasthan leads the country in veterinary education. When the present College of Veterinary and Animal Science, Bikaner was opened as Rajasthan College of Veterinary Science and Animal Husbandry in 1954, it was the 10th college in the country. Rajasthan was among the first five states that adopted Indian Veterinary Council Act, 1984 in its Assembly, before it was placed in both the houses of Parliament of India, reflecting its commitment towards regulation of veterinary practice and education. It is the first state to invite private players to improve veterinary education. As a result, the first two private veterinary colleges of the country started in this state. Rajasthan also took lead by allowing private institutions to impart qualifications required for minor veterinary service providers. Now Diploma in Animal Husbandry Programme is being imparted simultaneously in 49 institutions. It is the leading state to have such a large number of institutions, particularly those run by private organizations. Apart from formal diploma and degree programmes, this university is also imparting trainings on various topics including Animal Disease Control, Bird flu etc. to veterinarians and paraveterinarians. It has also started Continuing Veterinary Education programme launched by Veterinary Council of India. RUVAS has started many certificate courses in various departments. It is

imparting four tiers of formal education, viz., Diploma in Animal Husbandry, B.V.Sc. and A.H., M.Sc. and Ph.D. degrees. The total intake capacity of the students is around 3,000 per annum.

Budget

Annual budget of the university is around Rs 45 crores (estimated for FY 2011-12), comprising of 50% from Government of Rajasthan as State Plan and the rest from Government of India, the ICAR and other agencies directly or through the State government.

Achievements

The significant research achievements of the university are given below.

Salient achievements include diagnostic, therapeutic and preventive measures and technologies of diseases of animals in Rajasthan state, inter-dental wiring technique of repairing mandible fracture in camel; management of diseases of camel, particularly trypanosomiasis, mange and gastro-intestinal diseases, improvement of Rathi, Tharparkar, Gir and Kankrej breeds of cattle; Surati buffaloes; Magra, Chokala and Sonadi sheep; Marwari and Sirohi goat; and small-farm production technology for indigenous poultry breeds; Time since death, estimated by vitreous humor analysis, diagnosis of sub-clinical mastitis, DNA finger-printing of various livestock species including camel and microbes, adaptability of WLH to arid region, metabolic disorders of livestock, renal physiology of camel and sheep, embryo-transfer technology in Rathi cattle and sheep, Ultrasound and other imaging diagnostics of clinical and surgical disorders, ruminant surgery, Anatomy of camel, nutritive value of indigenous feed and fodder resources of arid region, complete feed-block technology, weather-based forecasting of animal diseases, micro-element status and deficiency disorders, diagnosis and treatment of cutaneous leishmaniasis in dogs and human-beings, diagnosis of hydatid cysts and brucellosis in animals and human beings. The university is issuing regular monthly weather-based animal disease- forecasting bulletin (since April 2004), besides conducting training on various aspects of Veterinary and Animal Sciences, particularly animal-disease control.

ANAND AGRICULTURAL UNIVERSITY, ANAND

Commercialization of liquid biofertilizer technology to GSFC



A MoU was signed between the university and Gujarat State Fertilizers and Chemicals Ltd, Vadodara on 27 June, 2011. The AAU was represented by Dr A. M. Shekh, VC; Dr K. B. Kathiria, Director and Dean, PG Studies, Dr P. R. Vaishnav, Registrar; Dr R. V. Vyas (PI and Head, Business Planning and Development Unit); and Mr Baljeet Singh (Manager), BPD unit; whereas the GSFC was represented by Mr P. M. Sutaria, Senior Manager (ADAS), Mr Atul Deve (Head, Biofertilizer unit) and Dr P. P. Donga (Sr Manager, AGAD).

Intensive research for the last two decades by the scientists of Department of Microbiology and Biofertilizer project resulted in development of Anubhav liquid biofertilizer, and Azotobacter, Azospirillum and phosphate cultures. These more efficient, easy to use, having 1 year shelf-life and also applicable in Hitech agriculture (drip irrigation and green / poly houses) are widely accepted by the farmers.

As per the MoU, the AAU will license its Anubhav liquid bio-fertilizer technology indigenously developed by the university. Since 2005, liquid biofertilizers were being marketed to local farmers from single window of Department on no profit-no loss basis. Now, this bio-fertilizer is in high demand by Gujarat farmers especially in Drip Irrigation. Now the university will offer these cultures, followed by hands-on techniques to GSFC microbiologists. The latter will then produce on mass scale and market the liquid bio-fertilizers for the ultimate benefit of the farmers.

Public-private partnership

For speedier development of rural and agriculture sectors as also for income generation to the varsity, a programme of public-private partnership was implemented at the HAU. Under this programme the university has entered into non-exclusive agreements with more than 16 agro-based private companies of India for production and marketing of maize, wheat, pearl millet (bajra) and rice varieties and hybrids developed by it. Some of these varieties and hybrids are HQPM1, HQPM5, HM8, HM9 and HM10 maize, HKRH1 hybrid rice; WH1021, WHD943 and WH1080 wheat, hybrids; HHB226, HHB223 and HHB67, bajra.



Dr K.S. Khokhar inaugurating video studio at Home Science College

Video studio at College of Home Science

A video studio was set up in the Department of Extension Education and Communication Management of College of Home Sciences. It will cater to the needs of the students who opted journalism and mass communication as the elective subject. It was set up at a cost of Rs 90 lakhs under the experiential learning project of the ICAR.

Visit of Mozambique delegation

Dr K.S. Khokhar holding a meeting with Mozambique delegation

A four members Mozambique delegation visited the HAU on 6 June 2011, for seeking the HAU's support for the development of its agriculture sector, especially for increasing the productivity of its major crops of rice, wheat and maize. The delegation headed by Dr Inacio Calvino Maposse, President of Scientific Council of Agriculture, Govt. of Mozambique, included Prof. Vasco J. Lino, National Director for Research Innovation and Technology Development, and Mr Sergio Petaira, Engineer, Department of Agriculture, Mozambique as members. Dr Sain Dass, former Director, Directorate of Maize Research, accompanied the delegation from New Delhi.

Centre of Excellence on pearl-millet

The Union Ministry of Agriculture, Govt of India, has approved a Centre of Excellence for Pearl millet (bajra) for the university, in view of the varsity's contributions towards promotion and popularization of bajra crop through researches and technology extension. Dr K.S. Khokhar informed that the Ministry under its initiative for nutrition security through intensive millet production (INSIMP) has approved this Centre of Excellence through allocation of Rs 1 crore for the year 2011-12.

Delegation from Republic of Malawi

To study the HAUs set up and its contributions towards the improvement of various sectors, a 10-member high-level delegation from Republic of Malawi paid a visit on 4 May, 2011. The delegation was headed by Malawi, Professor Emmanuel Sabiano VC, University of Lilongwe Agriculture and National Resource Management. The members visited the constituent colleges, laboratories and research farm of the university, and had interactions with the scientists. At a meeting

with Dr K.S. Khokhar and other senior scientists, they had detailed deliberations for exploring the possibility of bilateral cooperation.

DR BALASAHEB SAWANT KONKAN KRISHI VIDYAPEETH, DAPOLI**New varieties released****Greater yam (*Dioscorea alata*) - D.A. 199**

The genotype generated at Central Tuber Crop Research Institute, Thiruvanthapuram, Kerala, was tested and released for the Konkan region. This variety gives yield of 29 t/ha, which is 19.05 per cent more than presently cultivated variety Kankan Ghorkand. The yield per plant is 3.40 kg and average weight of single tuber is 1.62 kg. The average number of tubers plant is 2.43. The tuber is cylindrical and brownish, with average length and girth 28.67 cm and 39.34 cm, respectively.

Undi (*Calophyllum inophyllum*): KKV CI 03

It was developed through selection from local strains. Its seed contains 79.34 per cent oil. The trees may grow up to 25 to 35 m. The yield per plant is 28.63 kg. The diameter, length, weight and volume of the fruit are 28.11 mm, 33.96 mm, 10.65 g and 9.19 cc respectively; whereas of the seed are 22.81 mm, 27.99 mm, 5.53 g and 4.04 cc respectively.

Exotic mango varieties

The exotic mango varieties, viz. Austin and Lily which have attractive colour, high-yield potential, capacity to withstand adverse climate, maturing in April-May, and having good export value, were recommended for the Konkan region.

Low-cost ripening chamber for fruits

To overcome the ripening problem in mangoes at common farmers' level, the university developed a low-cost mango ripening chamber that costs Rs 3000 with storage capacity of one tonne. The cost of ethylene gas cylinder is Rs. 125.00. The fruits are treated with ethylene gas for 24 to 48 hr depending upon the variety. The proper ripening of fruits occurs within 5 to 6 days with good flavour, quality and taste.

DR PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA

At the 39th Joint Agricultural Research Council Meeting held at Mahatma Phule Krishi Vidyapeeth, Rahuri during 29-31 May, 2011, 22 research recommendations and two varieties each of wheat and safflower were approved. The research recommendations include two innovative farm implements (PKV bullock drawn cotton planter and PKV Citrus harvester) and twenty production technologies pertaining to Agronomy, Soil Science, plant protection, agricultural engineering and Horticulture.

**Wheat: AKW 4627**

It is the best wheat variety suited for rainfed areas, early maturing genotype (96 days), tolerant to late heat stress. It gives high grain yield (38-40 q/ha), more number of ears (394 ears/m²) and is resistant to rust and leaf diseases. The variety has been recommended for Maharashtra and Karnataka States.

**Safflower: AKS-311**

It is high yielding with 19.5 % higher seed yield over check Bhima and 23.1% higher over the AKS 207. It has high oil content (33%) and also tolerant to wilt. It has distinctive petal colour: pale yellow colour turning to pink and remaining pink after fading.



Custard apple-pulp extractor

The Vidyapeeth developed custard apple-pulp extractor for fast and easy extraction of its pulp. The machine can extract 60 kg pulp /hr. The extractor requires single-phase ¼ hp electric motor to operate. This can be a good option to develop entrepreneurship in the rural area.

Production Technologies:

Twenty production technologies including six in cotton, three in soil science, three in Plant Protection, three in Horticulture, two in Agriculture Engineering and three in Soil Conservation have been recommended.

G. B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

Twenty-seventh convocation



On dais (L to R): Shri T. S. Rawat, Smt. Margaret Alva, Dr S. Ayyappan and Dr B.S. Bisht

The 27th convocation of the university was held on 20 May 2011. Smt. Margaret Alva, Chancellor of Pantnagar University and Governor of Uttarakhand, was the chief guest, Dr S. Ayyappan, Secretary, Department of Agricultural Research and Education and Director-General, Indian Council of Agricultural Research. Delivered the convocation address. Shri Trivendra Singh Rawat, Agriculture Minister of Uttarakhand, was the Guest of Honour. Dr B.S. Bisht, VC, presented the progress report of the university.

At the convocation, honorary degree of Doctor of Science (Honoris causa) was



Chancellor's Gold Medal to Ms. Sugandha Bisht

conferred on three persons of eminence, including Ambassador Islam A. Siddiqui, Chief Agricultural Negotiator, the USA; Dr Robert S. Zeigler, Director-General, IRRI, Manila, Philippines; and Shri Rana Kapoor, founder as well as Managing Director and CEO of Yes Bank Ltd, Mumbai (in absentia).

Total 1,139 degrees (674 B.Sc, 374 M.Sc. and 91 Ph.D.) were awarded to the students. The Chancellor's Gold Medal was awarded to Ms Sugandha Bisht of College of Veterinary and Animal Science for overall best performance. Besides, 14 Vice-Chancellors gold medals, 14 Vice-Chancellor's silver medals, and 13 Vice-Chancellor's bronze medals and six different awards were also given to the students for excellence in different subjects. So far the university has awarded degrees to 27,250 students

Smt Margerat Alva said that inefficient use of resources and input raises the

cost of cultivation and biosphere pollution, leading to decrease in production. She urged the budding agricultural scientists to bridge the gap in lab and land results, by delivering technologies and best practices as per diverse agro-climatic regions of the country.

Dr Ayyappan emphasized the importance of allied sector for the economic and social development of the country. He said that the increase in population is witnessing increase in the production of various food commodities, but their increased demand requires simultaneous technological development for appropriate increased production despite depletion and degrading of the soil, water, bio-diversity and change of climate.

Shri Trivendra Singh Rawat emphasized the need of land consolidation in the hills, to develop more technologies for reducing the drudgery of hill women and create strong marketing system in the hilly areas. The Agriculture Minister advocated the development of Special Agriculture Zone instead of Special Economic Zone for increasing agricultural production and benefiting farmers.

Workshop of water management scientists

- A biennial workshop of scientists working in different centres of All-India Coordinated Research Project on Water Management of the ICAR, New Delhi was held at College of Technology on 10-12 June 2011. Dr B.S. Bisht presided over the inaugural session, whereas Dr Ashwini Kumar, Director, Directorate of Water Management, Bhubaneshwar, was the chief guest. The scientists underlined the need of efficient use of water especially in agriculture, through adoption of suitable cropping systems, agronomic practices, varieties and irrigation technologies, besides rain-water harvesting and proper management of available water resources. About 80 scientists from 27 centres of the project attended the meet.
- College of Technology organized a 3 day national seminar on 'Strategic resource management for suitable food and water management' during 13-15 June 2011. Scientists from all over India participated and called for a time bound roadmap of specific strategies of water management for different geographical and agro-climatic regions.

•Best Performing Centre Award in Sorghum research

Pantnagar University received Best Performing Centre Award 2010 for quality research work in sorghum. The award, sponsored by the ICAR, was given at the 41st group meeting of the scientists working in different centres of India under All-India Coordinated Research Project on Sorghum, held at Dharwad, Karnataka, during 16-18 April 2011. The award was given on the basis of new varieties developed, publication of literature, nucleus seed production and demonstration of research work on field.

Selection for phase II of TEQIP by World Bank

College of Technology was selected for phase II of Technical Education Quality Improvement Programme of World Bank. The first phase of this programme was conducted during 2004-09, in which performance of this college was highly appreciated. During this phase basic and infrastructural facilities were added, and the undergraduate teaching system in the college was improved. In the second phase now efforts will be concentrated upon improvement in post-graduate education and research facilities. The college will receive aid of about Rs 12.50 crores in the next 4 years to increase the number of seats in M. Tech. and Ph.D. programmes, improve teaching and provide better facilities as well as training to the teachers for research.

Dr. Rita Singh Raghuvansi nominated for Planning Commission Working Group

Dr. Rita Singh Raghuvansi, Dean, College of Home Science, was nominated as a member of Working Group on Nutrition, set up by Planning Commission for the 12th Five Year Plan (2012-17). The Group will work under the chairmanship of Secretary, Ministry of Women and Child Development. Her nomination points to the



Dr Rita Singh Raghuvansi

recognition of good work carried out by College of Home Science in the area of Nutrition. Earlier also, Dr. Raghuvansi was nominated by the ICAR, as a member of Research Advisory Committee of Directorate of Research on Women in Agriculture, Bhubaneswar. College of Home Science conducted various research projects under her guidance. The recipe booklets developed by Department of Foods and Nutrition, College of Home Science, were distributed by State Government of Uttarakhand in all the primary schools. Several nutritional awareness programmes and projects are also being conducted by the college. These are funded by Uttarakhand Council of Science and Technology, Diabetic Foundation of India, the ICAR and the industry.

KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES UNIVERSITY, BIDAR

Animal health for better livestock production under WTO regime

An International Conference on Energizing Animal Health for Better Livestock



Valedictory function of International Conference

Production under WTO Regime was organized by Department of Veterinary Microbiology under the patronage of Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar and Indian Association of Veterinary Microbiologists and Immunologists during 9 to 11, June 2011 at Veterinary College, Bangalore. Shri Revunaik Belamagi, Minister of Animal Husbandry and Veterinary Services, Government of Karnataka was the chief guest on this occasion and Prof. Suresh S. Honnappagol, presided over the function. Lt. Gen. (Retd) N. Mohanthy, President, Veterinary Council of India, was the chief guest for the valedictory function on 11 June 2011. Prof. M.P. Yadav, President, IAVMI, Prof. P. K. Uppal, Patron, IAVMI, Prof. S.Yathiraj, Dean, Veterinary College, Hebbal, Bangalore and Dr Shrikrishna Isloor, Organizing Secretary, participated in the conference along with 230 registered delegates from 17 states in India, and international participants from the USA, France, the UAE, Malaysia, Iraq and Nepal.

The recommendations made at the conference are given below

- To improve immunity in different livestock species in separate geographical regions across the country, the role of various microbial agents including virus, bacteria, fungi and the practical situations of various diseases is to be considered and accordingly interventions using immuno-reactive or immuno modulating molecules are to be taken up.
- Use of newer sensitive and specific molecular techniques for diagnosis of various diseases like PPR and a national policy on brucella vaccination in India needs to be developed
- Exclusive research centre and super-speciality hospitals are to be established for canine species, guidelines for vaccination of companion animals are to be formulated.
- There is need for surveillance, epidemiology and preparedness for emerging infections like Nipah virus infection, HPAI and LPAI in all the affected and in contact susceptible animal populations.

Life-time achievement award to VC

Prof. Suresh S. Honnappagol, VC, was conferred with Dr R. D. Nanjaiah Memorial Life-time Achievement Award for his contribution to the growth of veterinary profession. The award was presented by Karnataka Veterinary Association during the Annual Technical Conference held on 9 April 2011.



Prof. Suresh S. Honnappagol

PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

Maize hybrids



Seed company officials examining maize hybrids

The university has developed and released hybrids in ten different crops including vegetables. The university has passed on the hybrid seed production technology to farmers through organizing various hands-on training programmes. It has further offered its maize hybrids for their hybrid seed production on commercial scale under the public-private-partnership mode.

Dr M.S.Gill, Head, Department of Plant Breeding and Genetics, said that the university organised, in the field demonstrations to showcase the potential and relative agronomic performance of PAU-bred maize hybrids such as PMH 1 in comparison with the private hybrids of maize. There was active participation of the scientists and officials of PUNSEED, Directorate of Maize Research ICAR, and seed companies such as Monsanto, Syngenta, Pioneer, Ganga Kaveri, Nuzividdo, etc., as well as farmers from maize-growing areas of Hoshiarpur, Fatehgarh Sahib districts. The visitors were shown the standing crop of PMH-1 and discussed its yield potential, quality traits and resistance to stalk rot, etc. with the experts, and drew a comparison with the private-sector hybrids such as 31-Y-45 of Pioneer, 9108 of Monsanto and NK-6240 of Syngenta.

RAJASTHAN UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, BIKANER

Honorary colonel rank to VC

The rank of Honorary Colonel Commandant was granted by Director General, National Cadet Corps, Government of India to the Prof. A.K. Gahlot, VC. The peeping-in ceremony was organized at the university auditorium on 3 June 2011. Group Commander Col. D.S. Lohamard and the parents of Prof. Gahlot put on the rank of Colonel on his uniform. It is the first veterinary university in the country whose VC had been granted the rank.



Future programme

The College of Veterinary and Animal Science, RUVAS, Bikaner and Indian Society for Advancement of Canine Practice will organize International Congress on "Modern Concepts in Canine Health and Diseases of Human Concern" and IXth Annual convention of Indian Society for Advancement of Canine Practice during 9-11 February 2012 at Lalgarh Palace Hotel (a heritage hotel) in Bikaner, Rajasthan. Details can be obtained from the organizing Secretary.

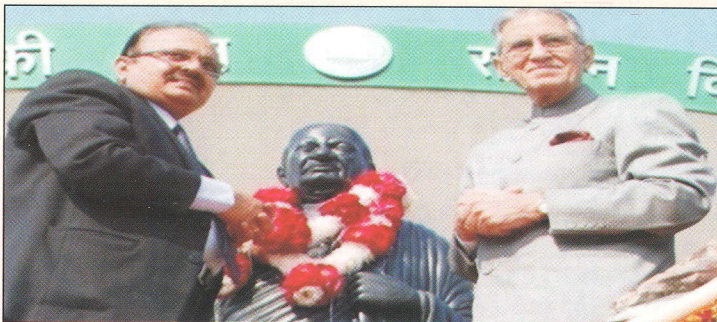
RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDHYALAYA, GWALIOR

Dr Ashok Saxena, Lentil Breeder, Department of Plant Breeding and Genetics, College of Agriculture, Sehore, attended short-term training programme on Legume crop improvement under "Biodiversity and Integrated Gene Management Program", at ICARDA headquarter Aleppo, Syria from 16 April to 6 May 2011. The visit was organized as a part of ICAR-ICARDA collaborative work plan to provide an opportunity to the scientists of national programme working in India, Bangladesh and Nepal to study these legume-crop improvement programmes at ICARDA on different aspects like development of high-yielding varieties, molecular marker-assisted programme, pre-breeding involving wild Lens species of lentil and drought tolerance.



Dr Ashok Saxena,

SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, MEERUT



H.E. Shri B.L. Joshi unveiling statue of Sardar Patel



VC presenting memento to Dr S. Ayyappan



H.E. Shri B.L. Joshi, presenting Gold medal and certificate to students

Third convocation

The university organized its third convocation on 21 November 2010, wherein 314 students were awarded graduate, post-graduate and doctorate degrees in agriculture and biotechnology disciplines. H.E. Shri B.L. Joshi, Chancellor and Governor, UP, presided. He deliberated on the challenges of climate change and its impact on Indian agriculture, sustainable use of natural resources, soil health, micro-irrigation, agri-business units for rural youth and empowerment of rural women. He unveiled the statue of Sardar Vallabh Bhai Patel at the university campus. Dr S. Ayyappan, Director General, ICAR & Secretary, DARE, Government of India, was the chief guest. He laid stress on the issues related to production of improved varieties, organic farming, agro-processing sector and combating the impact of climate change on Indian agriculture. Highlighting the achievements of the university, Prof. A.K. Bakhshi, VC, expressed the need to establish AICRP centres at the university, soil health and disseminate agricultural knowledge to the farmers through video-conferencing, experiential learning of agro-processing and post-harvest technology.

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

Krishi mela 2010



Shri Umesh Katti inaugurating krishi mela

The university organized Krishi mela-2010 in collaboration with development departments (Agriculture, Horticulture, Watershed etc.) at its campus during 27-29 October 2010. Shri Umesh Katti, Agriculture Minister, Government of Karnataka, in his inaugural address urged the central government to bring out a new policy on agriculture and announce support prices for the produce in the budget. He pointed out that the present government has given 75 percent subsidy for seeds, and Rs 150 crores to encourage organic farming and high-technology farming, and also started Bhoo-chetana programme. He announced that the farmers would be given information on seeds, fertilizers and pesticides at Raitha Samparka Kendras and through internet from 1 January 2011 onwards. During the occasion, 19 information booklets brought out by the university were released. More than 35,000 farmers visited this mela.

e-India 2010 award to College of Agriculture

A NAIP-ICT project on "Redesigning the farmer-extension-agricultural research or education continuum in India with ICT-mediated knowledge management", implemented by College of Agriculture, Raichur, won the 6th eINDIA-2010 Award under eAgri-ICT enabled agriculture initiative of the year. Ms Agatha Sangma, Minister of State for Rural Development, Government of India, presented the Award on 5 August 2010 at Hyderabad International Convention Centre, Hyderabad. The Award consists of a memento and a citation.



Ms. Agatha Sangma presenting the Award

Agro-processing centre at grass-root level

An agro-processing centre was established at Vadlamdoddi village of Raichur district under AICRP on post-harvest technology, CAE, Raichur centre on 7 June 2010. The centre has the facility of chilli- pounding machine of 12-15 kg/hr capacity to process chilli at the production catchments.



Agro-processing centre

Silver jubilee of College of Agriculture, Raichur



Silver jubilee celebration

The College of Agriculture, Raichur, established in 1984, celebrated its Silver Jubilee on 28 October 2010. Dr Ashok Dalwai, Deputy Director, National Unique Identity Authority, Government of India, in his inaugural address remarked that the quality education in agriculture and allied fields is the need of the hour. Dr S.A. Patil, former VC, UAS, Dharwad, was the chief guest.

Platinum jubilee of MARS, Raichur



Platinum jubilee celebration

The Main Agricultural Research Station, Raichur, established in 1932, celebrated its Platinum Jubilee on 28 October 2010. Dr Ashok Dalwai remarked that irregular climate hits the agricultural productivity. He said that due to increasing industrialization and urbanization the farm lands were being utilized for other purposes. Dr M. Mahadevappa, former VC, UAS, Dharwad, was the chief guest.

Vocational training on dairy technology

The KVK, Raichur organized a 15-day vocational training programme in dairy technology for the grass root level workers of Basix Krishi Samrudhi Ltd, Raichur. These workers provide door-step service to the farmers. Twenty one grassroot-level workers from Raichur, Gulbarga, Bagalkot and Yadgir districts participated in the programme.



Vocational training

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Awards

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

Fulbright Nehru fellowship and Incentive award

Dr M.K. Naik, Professor and Head, Plant Pathology, UAS, Raichur, received Fulbright Nehru Visiting Professor Fellowship, given jointly by CIES, Washington and US India educational foundation, New Delhi. Dr Naik served as Fulbright visiting professor at Department of Plant Pathology, North Dakota State University, Fargo from October 2010 to February 2011, teaching fungal biology course apart from guest lecturing at Texas A&M University, Kansas State University, Morgan State University, USDA, Washington and Concordia University.

Dr Naik also received University Research Incentive Award during the first convocation of the UAS, Raichur held on 16 April 2011. The award was presented by Minister for Agriculture, Government of Karnataka. It is in recognition of his execution of externally funded research project in solving the problems of the farmers of the region.



Dr M.K. Naik

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To,

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Indian Agricultural Universities Association
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