



# IAUA



# NEWS

QUARTERLY NEWSLETTER OF INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

**VOLUME 4 No. 4**

**OCTOBER - DECEMBER 2004**

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## SPOT NEWS

### Dr S.N. Puri takes over as President, IAUA

Dr S.N. Puri takes over as President, IAUA for the year 2005. A renowned Entomologist, he is the recipient of Hexamer Foundation Award and Distinguished Achievement Award. He was the Vice-Chancellor, Mahatma Phule Krishi Vidyapeeth, Rahuri for two successive terms till 18 December 2004 when he took over as Vice-Chancellor, CAU (Imphal) and President, IAUA. He has also been a senior Member, Secretary-Treasurer and Vice-President of the Executive Committee of IAUA. Before joining at Rahuri, he was also Director, NCIPM for many years. He has worked extensively on the Integrated Pest Management of cotton and other crops and has published about 150 research papers.



Dr S.N. Puri

### New Executive Committee, IAUA, 2005

|   |   |                     |
|---|---|---------------------|
| Dr S. N. Puri, Vice-Chancellor, CAU, Imphal     | : | President           |
| Dr S. S. Magar, Vice-Chancellor, DBSKKV, Dapoli | : | Vice-President      |
| Dr M. P. Yadav, Director, IVRI, Izatnagar       | : | Secretary-Treasurer |
| Dr V. M. Pawar, Vice-Chancellor, MAU, Parbhani  | : | Member              |
| Dr S. A. Patil, Vice-Chancellor, UAS, Dharwad   | : | Member              |
| Dr K.S. Aulakh, Vice-Chancellor, PAU, Ludhiana  | : | Member              |

### New Executive Committee Members

### Dr S. S. Magar takes over as Vice-President, IAUA

Dr S.S. Magar was born on 1 June 1942 in village Surwad of dist. Pune. He obtained his B.Sc. in Agricultural Science and M.Sc. in Agricultural Engineering from the University of Pune in 1965 and 1967 respectively. In 1968 he joined the College of Agriculture, Pune as Assistant Professor. He was associated with Water Management Project for 8 years as Chief Scientist. After receiving Ph.D. in Soil Science from IIT, Kharagpur in 1977, he joined MPKV, Rahuri as Soil Scientist. He was nominated as Professor and Head of Interfaculty Department of Irrigation and Water Management in 1990; Associate Dean and Principal, Agriculture College in 1994, and Director of Instruction and Dean, Faculty of Agriculture, MPKV, Rahuri in 1996. He was nominated Vice-Chancellor of DBSKKV, Dapoli on 17 February 2000, and after successful completion of 3 years' tenure he was further appointed for a period of 3 years on 25 February 2003. Dr Magar has guided 24 M.Sc. and 3 Ph.D. students and has been a member of American Society of Agronomy, USA.



Dr S.S. Magar

Dr Magar has authored 6 books and published 4 proceedings, 5 bulletins and 50 scientific and 55 technical papers besides 257 research articles. He has visited Australia, the USA, Israel and Mexico.

### Dr M.P. Yadav nominated as Secretary-Treasurer of IAUA

Dr M.P. Yadav, presently Director-cum-Vice Chancellor of Indian Veterinary Research Institute (Deemed University), was born on 2 June 1945 in a small village of dist. Bulandshahr (Uttar Pradesh). He obtained his High School and Intermediate education from U.P. Education Board, Allahabad. He earned his B.V.Sc. & A.H. and M.V.Sc. from Veterinary College, Mathura, followed by Ph.D. in Veterinary Bacteriology from P.G. College of Animal Sciences, IVRI, Izatnagar in 1973. Dr Yadav has been a meritorious student throughout his career. He secured position of merit during his B.V.Sc. and M.V.Sc. and was awarded the Chancellor's Medal.



Dr M.P. Yadav

After serving as Assistant Professor/ Associate Professor of Virology at GBPUAT, Pantnagar (1974-1981), he served as the Professor of Virology/Head, Division of Virology at IVRI, Mukteswar (1981-1986), In-Charge of



Animal Health Unit (1987-1993) and Director at National Research Centre on Equines, Hisar (1993-2000) before joining as Director-cum-Vice Chancellor at IVRI during May 2000. The important contributions made by Dr Yadav include the development of potent vaccines against equine influenza, goat pox, ILT and *E. coli*, colisepticaemia; identification of new animal diseases for the first time in India such as equine influenza A/Equi-2; equine infectious anaemia, equine coital exanthema, equine arthritis and equine Rota, adeno and rhino-1 virus infections; development of rapid and sensitive diagnostic tools for a number of animal and poultry diseases employing ELISA, PCR and gene sequencing; basic studies in equine immunology, isolation of Q-fever agent from a number of animal species for the first time in India or world; control of EIA and equine influenza on national basis and characterization of mare Lactoferrin for its possible use as anti-microbial agent.

Dr Yadav has received national and international recognitions, awards and honours, e.g. Lance Award (1996), Special Award by ICAR (1998), OIE International Meritorious Award (2000), Distinguished Veterinarian Award (2001) and Major Malika IAAVR Award (2001). Dr Yadav has been associated with several professional societies in various capacities. He was President of IAVMI (1999-2005) and Indian Virological Society (1996-2003). He worked as Project Coordinator of ICAR-ODA collaborative project on Equine Influenza. He obtained specialized training in Equine viral research and genetic engineering and Equine influenza vaccine research in the UK. He has published more than 134 original research articles in leading national and international journals of repute. Under his leadership, IVRI in recent years has received a number of prestigious national ICAR awards including Sardar Patel Best Institution Award (2001), Rafi Ahmed Kidwai Award (2001-2002), Jawaharlal Nehru Award for P.G. Agricultural Research (2001, 2002 and 2003), Hari Om Ashram Trust Award (2001-2002), Best Teacher Award (2001), Best Women Scientist Award (2001), Best Annual Report Award (2000-2001) and Rajarshi Tandon Rajbhasha Award (2003).

### **Dr K.S. Aulakh elected as Member, Executive Committee of IAUA**

Dr K.S. Aulakh, has been elected Member of the Executive Committee of IAUA for the year 2005. Dr Aulakh started his academic career in July 1964 as Lecturer in Botany at Khalsa College, Amritsar. After completing his Doctorate in Plant Pathology in 1968,

he joined Punjab Agricultural University as Assistant Plant Pathologist on 4 September 1968. Since then he rose to higher positions in PAU and became its Vice-Chancellor on 1 April 2001.

Dr Aulakh is a Fellow of Punjab Academy of Sciences, Indian Phyto Pathological Society, Indian Society of Seed Technology, Indian Society of Mycology and Plant Pathology and many other national and international societies. He has been Chairman or Member of several committees or conferences at international, national and state levels besides having been invited to participate in 20 international and 13 national conferences.

Dr Aulakh has visited 25 countries including the USA, the UK, Australia, Germany, Denmark, France and Sweden. He has excelled in various sports, viz. wrestling, kabaddi, weightlifting, shotput and discus throw, winning a number of prizes.

### **Dr S.A. Patil elected as Member, Executive Committee of IAUA**

Dr S.A. Patil, has been elected as a Member of the Executive Committee of IAUA for the year 2005. Dr Patil was born in 1946 in Gulbarga district of Karnataka. He got his B.Sc. and M.Sc. degrees in Agricultural Science with General Merit scholarships from U.A.S, Bangalore. He secured first division in M.Sc. as well as Ph. D. with distinction in Genetics and Plant Breeding. He was also awarded Senior Research Fellowship of ICAR, New Delhi during his Ph.D.

Dr Patil began his career as Research Assistant (Cotton) at ARS, Dharwad on 15 December 1967. He developed hybrids and high-yielding varieties of numerous crops such as cotton and oilseed crops like groundnut, niger, sunflower and castor. He successfully developed and released hybrids like Sharada, Soubhagya, Renuka, Shweta and Hima in cotton besides three varieties in groundnut and two in niger.

Dr Patil was awarded the Degree of Merit in Agricultural Science by International Biographical Centre, Cambridge (England) in addition to numerous national, state-level and university-level awards. He has visited Israel, Italy, the Netherlands, Canada, the USA and Indonesia. He is a life member of 25 agricultural periodicals and has guided 15 M.Sc. and 5 Ph.D. students in addition to having 292 publications to his credit.



Dr K.S. Aulakh



Dr S.A. Patil

## **NEW VCs**

### **Dr Nagendra Sharma assumes charge of VC, SKUAST, Jammu**

Dr Nagendra Sharma assumed the charge of Vice-Chancellor, SKUAST, Jammu on 1 December 2004.

Prior to his new assignment, Dr Sharma was the Director of the National Dairy Research Institute (Deemed University), Karnal. He also has been Director, Indian Veterinary Research Institute (Deemed University) and Director, Central Institute for Research on Goats. Earlier he worked as Chairman, Perspective Planning and Expenditure Finance Committees at various institutes. He has been on the editorial boards of the international *Journal of Meat Science*, *Indian Journal of Food Sciences and Technology* and *Indian Journal of Animal Sciences*.

Born on 5 September 1943, Dr Sharma did his post-graduation in Veterinary Science and Ph.D. in Poultry Science from Rohilkhand University. He was awarded Doctor of Science (DS) from France in 1984. He has published over 200 articles in journals of repute. Having experience of 30 years in teaching, research, production and processing of milk, meat, poultry and fish products, he has guided 15 M.Sc. and Ph.D. students. He is a recipient of Gits Award (1966), KU Patel Memorial



Dr Nagendra Sharma

Award (1973), Malika Trivedi IAAVR Award (1999), Life Achievement Award for Veterinary Profession (2002) and Distinguished Veterinarian Award (2004) for outstanding research and professional contribution in the field of Veterinary and Agricultural Sciences. Dr Sharma has widely travelled to France, Germany, Denmark, Sweden, the UK, the USA and several other countries to participate in various programmes of agriculture, animal husbandry and food production.

### **Dr S. Raghu Vardhan Reddy takes over as VC, ANGRAU, Hyderabad**

Dr S. Raghu Vardhan Reddy, hitherto Registrar, ANGRAU, assumed the charge of its VC on 4 November 2004 for a period of 3 years.

He has wide experience in various fields of agriculture with expertise in water management. With his rich experience he served the agrarian sector in various capacities as Registrar, Dean of Agriculture, Dean of Post-graduate Studies, Principal Scientist, Nodal Officer of World Bank-funded A.P. III Irrigation Project in ANGRAU and Director of WALAMTARI, Government of Andhra Pradesh. He authored more than 70 referred scientific articles, technical non-referred articles and abstracts.



Dr S. Raghu Vardhan Reddy



# Focus on Universities - Achievements and Events

## DEEMED UNIVERSITY

### INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR

#### Commercialization of Technologies

The Indian Veterinary Research Institute, Izatnagar on 25 November 2004 transferred the technologies of cryoscope to Animal Health Care Division of M/S Lyka Export Ltd, Mumbai, and the area-specific mineral mixture to M/S Kamdhenu Feeds, Saharanpur (U.P.) and M/S Lyka Export Ltd, Mumbai for commercialization on non-exclusive basis.

## UNIVERSITIES

### A Profile

#### MARATHWADA AGRICULTURAL UNIVERSITY, PARBHANI

The university was set up on 18 May 1972 by the Maharashtra Government vide Resolution No. MKV-1072/44451-V (1) of 29 May 1972. Shri L.S. Sundara Rajan, IAS was its first Vice-Chancellor.



Administrative building

The university is entrusted with the responsibilities to provide agricultural education in its constituent colleges and faculties, undertake research and facilitate technology transfer in the agricultural and allied sciences.

#### Major objectives

- Provide education in agricultural and allied sciences.
- Integrate and co-ordinate teaching in different faculties of the university.

- Teach and examine the students from different faculties and confer degrees, diplomas, certificates and other academic distinctions as the university may deem fit.



Tissue culture laboratory

- Provide research base to improve the productivity of important agricultural, horticultural, livestock and other allied activities of Marathwada region through adaptive, basic and applied research for attaining economic self-sufficiency.
- Develop appropriate plans for conservation of natural resources and their sustainable use.
- Standardize technologies for crop production, protection, harvesting, post-harvest procedures and marketing.
- Provide the necessary production support for nucleus, breeder and appropriate seeds for important crops of the region and also generate revenue through large commercial farms for sustainable growth of the university.
- Undertake extension education programmes.

#### Main Achievements

It provided required manpower in the field of Agriculture, Home Science, Agricultural Engineering, Food Technology and Horticulture.

#### Institutional growth





| College                                 | Year of establishment | Initial intake capacity (students) | Present intake capacity (students) |
|---|-----------------------|------------------------------------|------------------------------------|
| College of Agriculture, Parbhani        | 1956                  | 32                                 | 210                                |
| College of Agriculture, Latur           | 1987                  | 35                                 | 64-94                              |
| College of Agriculture, Osmanabad       | 2000                  | 32                                 | 32                                 |
| College of Agriculture, Ambajogai       | 2000                  | 32                                 | 32                                 |
| College of Agriculture, Badnapur        | 2000                  | 32                                 | 32                                 |
| College of Food Technology, Parbhani    | 1976                  | 32                                 | 64                                 |
| College of Home Science, Parbhani       | 1976                  | 32                                 | 32                                 |
| College of Horticulture, Parbhani       | 1984                  | 32                                 | 32                                 |
| College of Agric. Engineering, Parbhani | 1984                  | 32                                 | 32                                 |

#### Main Achievements in Each Decade

- The university has 16 private colleges run by NGOs, 6 agricultural colleges, 1 horticultural college, 3 food technology colleges, 3 biotechnology colleges, 2 agricultural engineering colleges and 1 agricultural marketing and business management college.
- There are 8 constituent and 51 affiliated agricultural schools under this university, with an intake capacity of 60 students per school.



## Popular varieties/hybrids of field crops developed by the university

| Crop   | Hybrid/Variety  | Crop  | Hybrid/Variety  |
|--|---|---|---|
| Kharif sorghum   | PVK 400<br>PVK 801<br>(Parbhani Sweta)<br>PVK 800                                   | Chickpea  | BDN 9-3,<br>BDNG 797  |
| Rabi sorghum   | Parbhani Moti<br>CSV 8R   | Soybean   | Pooja, Prasad,<br>MAUS 61,<br>MAUS 61-2,<br>MAUS 71,<br>MAUS 81<br>MAUS 47<br>(Parbhani Sona) |
| Pearl millet   | AIMP 92901<br>PPC 6<br>AHB 1666<br>(Pratibha)                                       | Groundnut   | LGN 2, TLG 45   |
| Rice   | Ambika, Terna<br>Parag<br>Prabhavati<br>Avishkar                                    | Sunflower   | LDMRSH 143<br>LS 11, LSR 8<br>TWCH 245,<br>LSFH 35  |
| Maize  | PMH 19  | Safflower   | PBNS 12<br>Sharda   |
| Wheat  | PBN 51, PBN 142   | Cotton ( <i>deshi</i> )   | Eknath, Namdeo<br>PA 225 (Turab)<br>PA 402 (Vinayak)  |
| Greengram  | BM 4, BPMR 142  | Cotton ( <i>American</i> )  | NHH 44<br>Ganga<br>NHB 12<br>NH 545, PH 348   |
| Blackgram  | BDU 1   |   |   |
| Pigeonpea  | BSMR 736<br>BSMR 853<br>BDN 708   |   |   |
|  |  |  |          |
| PMH 19   | BPMR 142  | BPMR 853  | BDN 708   |



CSPV 1411



MAUS 81



PA 402

## Popular varieties/hybrids of fruit and vegetable crops released by the university

| Crop          | Hybrid/Variety                | Crop       | Hybrid/Variety            | Crop    | Hybrid/Variety                                 |
|---------------|-------------------------------|------------|---------------------------|---------|--|
| Mango         | Parbhani Bhushan,<br>Niranjan | Wood apple | Ellora                    |         | Selection 14 (Yashashri)<br>Hy 28 (Vasundhara) |
| Custard apple | TP 7                          | Fig        | Dinkar                    | Chilli  | Parbhani Tejas                                 |
| Tamarind      | Pratishan<br>No. 263          | Lime       | Pramalini                 | Brinjal | ABV 1<br>ABV 10                                |
| Ber           | Mukta                         | Tomato     | ATV 1<br>ATV 2 (Dev giri) | Bhindi  | Parbhani Kranti                                |

### International Collaboration

ICRISAT, Hyderabad for PG research.

### New Initiatives

- Started M.Sc. in Biotechnology in 2000.
- Established a modern Central Instrumentation Cell.
- Implemented new common syllabus of ICAR at U.G. level from 1988 and at P.G. level from 2004.
- Conducted 52 self-employment courses for unemployed youth.

- Three new agricultural colleges at Ambajogai, Badnapur and Osmanabad started from 2000.
- Organized training programmes for improvement of teaching methods
- Created and developed beautiful garden on an area of 2.5 ha for education.



Dr V.M. Pawar, VC, MAU, Parbhani  
addressing the women farmers' rally



- Explored networking areas with traditional universities.
- Raised nursery of medicinal and aromatic plants.
- Developed innovative mass-production technologies for bio-agents and bio-pesticides.
- Deputed more than 150 academic staff for summer/winter schools or special training under Agricultural Human Resource Development.
- Developed post-harvest technology of fruit crops.
- Established research centres on banana, sweet orange and turmeric.

#### Future Prospective Planning till 2020

1. Curriculum planning to make agricultural education more vibrant and responsive to present-day needs.
2. Use of modern teaching aids, upgradation of laboratories, strengthening of library facilities and updating the knowledge and skills of teachers.
3. Establishment of new colleges in Biotechnology, Information technology, Agricultural marketing management, Environmental science and Post-harvest technology and processing.
4. Establishment of new faculties, viz. Colleges of Agro-Forestry, College of Agricultural Marketing and Co-operation, and Colleges of Inland Fisheries.
5. Starting polytechnics to provide scientific manpower to private sectors.
6. Organizing vocational training for educated rural youth and field-level functionaries.
7. Establishment of separate PG institute.
8. Strengthening of under-graduate colleges.
9. Conservation of natural resources like soil, water, flora and fauna, and their judicious management for sustainable development with emphasis on preservation of bio-diversity and endangered species through periodic monitoring and updating the database.
10. Recent techniques for *in-situ* soil-moisture conservation.
11. Development and standardization of eco-friendly integrated farming system suitable for this region.
12. Identification of technology to improve the productivity of important crop-based systems both under dryland and irrigated conditions.
13. Development of suitable implements for efficient farm operations.
14. Identification, evaluation and genetic improvement of sorghum, cotton, pulses,



Dr K.K. Zote, DEE, during visit to farmers' fields along with Mobile Crop Clinic



Study tour of farmers



Hon'ble Dr Mohd Fazal, Governor of Maharashtra, addressing students



Hon'ble Dr Mohd. Fazal, Governor of Maharashtra, during visit of ATIC



Dr Gautam Kallu, DDG (CS), visiting ATIC

oilseeds, vegetables and fruit crops under geo-agro-climatic conditions of this region for better productivity.

15. Integrated pest management of insects and diseases of crops and cropping systems of this region based on bio-control, genetic resistance and early flowering to escape the pest incidence; use of natural enemies and botanicals and other bio-degradable pesticides for increasing the productivity without harming present eco-system of the region.
16. Development of a post-harvest technology for processing of field crops, vegetables and fruit crops for better profit to the cultivators of this region.
17. Genetic upgradation of livestock with emphasis on optimum nutritional requirement, recognition of Red Kandhari and Deoni breeds of cattle and suitable breeds of goats, control of blue tongue in sheep etc.
18. Transfer of technology through extension and education.



Shri Govindraoji Adik, Minister for Agriculture, Govt of Maharashtra, during visit to ATIC, Parbhani

#### Strengthening the Directorate of Extension Education

Dissemination of latest agricultural technologies evolved by the university is the major and an important mandate of the university. This pivotal and designated activity is undertaken by the Directorate of Extension Education through its various components: Directorate of Extension Education (T&V System), Agricultural Technology Information Centre (ATIC), Regional Agricultural Extension Education Centres, Communication Centre, Extension Education Unit and Extension Blocks.

The infrastructural facilities and the contingent grants for these components are meagre; therefore financial assistance is required to update them.

#### AIU Task Force Meeting

A Task Force was constituted by Prof. K. Mohandas, President, AIU, New Delhi under the convenership of Dr V.M. Pawar, VC, MAU, Parbhani with honorary members Prof. Pravin Patel, VC, Sardar Patel University, Vallabh Vidyanagar (Gujarat); Prof. V. B. Coutinho, VC, Gulbarga University; and Prof. Dayanand Dongaonkar, Secretary-General, AIU, New Delhi.

The members of the Task Force studied the issue in detail and prepared the following notes for discussion:

- (i) Dr V.M. Pawar: Position paper on "Higher education vis-à-vis opening of various sectors under GATs".
- (ii) Prof. Pravin J. Patel: (a) "WTO, GATs and higher education in India".  
(b) "GATs and higher education: some observations".
- (iii) Prof. V.B. Coutinho: "GATs and higher education: some moot points".



Hon'ble Dr P.C. Alexander Governor and VC, MAU, conferring degrees at 14th Convocation of MAU, held on 8 November 2001



Conferral of Honorary title Col. Commandant of NCC on Dr V.M. Pawar, VC, MAU, Parbhani on 14 August 2002



AIU Task Force meeting



The Task Force met on 21 and 22 October 2004 at Marathwada Agricultural University, campus Parbhani and formulated a position paper on Higher education sector vis-à-vis opening of various sectors under GATs for submission to the Ministry of Human Resource Development, Government of India, New Delhi. The Task Force concluded that it will not be desirable for the country to liberalize Indian Higher Education System under GATs and suggested an all-pervasive and exhaustive national debate, involving all the stakeholders in the country on the issue of liberalizing higher education, to arrive at a final decision for its acceptance. The following activities were organized:

- Agriculture Research Council meeting, held on 1 November 2004 at MAU, Parbhani.
- Farmers' rally and demonstration of Community Sorghum Cob Drier, held on 2 November 2004.

### Training Programme on Videography

A short-term training programme of 10 days duration was organized on Videography by the Department of Home Science Extension Education, MAU, Parbhani.



Training programme on Videography

### DR Y.S. PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY, NAUNI

#### Intellectual Property Rights in Horticultural Crops

A national seminar was organized by the Directorate of Research, DYSPUHF, Nauni (dist. Solan) on the theme "Intellectual property rights in horticulture crops". It was sponsored by the Ministry of Human Resource Development and the Department of Biotechnology, Government of India. The main recommendations emerging from the deliberations are:

- Awareness should be generated among growers regarding improvement and diversification of horticultural crops with high value and high quality produce.
- Patenting of locally grown crops should be encouraged.
- A legal system should be formulated on priority and implemented in a time frame for the protection of farmers' rights, biodiversity and medicinal plant resources with participation of farmers.
- An IPR and patenting cell should be established and strengthened in each institution
- A regulatory provision should be developed to control bio-piracy in agricultural and horticultural research.
- An integrated approach should be adopted in organic farming through the use of vermicompost, biofertilizers, crop residues, organic mulching, green-manures and botanical pesticides etc as viable substitutes for inorganic fertilizers and synthetic plant-protection chemicals.
- A database needs to be developed on medicinal plant morphologically, cytogenetically and DNA fingerprinting in MAP.

A special session was organized on Poster Presentation and special prizes were distributed on relevant themes; 29 posters were displayed in all.

### ANAND AGRICULTURAL UNIVERSITY, ANAND

#### Significant Event

H.E. the President of India, Honourable Dr A. P. J. Abdul Kalam inaugurated the experimental Jatropha Processing Plant for bio-diesel production at AAU, Anand, on 14 December 2004. The project is expected to reduce the post-harvest losses, thereby increasing the recovery of superior-quality feedstock.

#### Achievements in e-Agricultural Extension

A Soil Health Card Programme, which is basically an e-agricultural extension programme, is being implemented. Data of 1,80,000 soil sample analyses have been collected and the cards have been issued. Central Data Centre with main server has been initiated.

### Prospective Technology for Middle Gujarat

- The release of rice varieties like GR 8 (extra early), Dandi (salt tolerant) and GR 12 (fine grain, early maturing variety with multiple resistance against biotic and abiotic stresses) would reduce the cost of cultivation.
- Similarly, the release of vegetable varieties such as GOB 1 brinjal, GAV 101 and GCV 121 chillies, GT 2 tomato, GC 1 cucumber and GM 3 muskmelon, with better quality and resistance against major pests, would be useful to farmers for increasing their income.
- The poultry research project has developed crossbred Anand Commercial Layer hen, which has a high egg-yield potential.

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

#### FAO Celebrates World Food Day

For the first time in its history, the Food and Agriculture Organization (FAO) celebrated the World Food Day outside Delhi, at Pantnagar university.

The celebrations started with Art and Painting Competition for the school children on 14 October 2004, in which the children of nearby towns and cities participated. The next day a brain-storming session on the theme World Food Day: biodiversity for food security' was organized in the Conference Hall of the College of Agriculture, in which the theme lecture was presented by Dr B.S. Dhillon, Director, National Bureau of Plant Genetic Resources, New Delhi. On 16 October an intervarsity debate competition for the students of the State agricultural universities was held in Ratan Singh Auditorium. In Ratan Singh Auditorium three lectures on the theme were delivered by eminent scientists Dr P. Pushpangadan, Director, National Botanical Research Institute, Lucknow; Dr K.K. Vass, Director, National Research Centre on Coldwater Fisheries, Bheemtal (dist. Naini Tal); and Dr B.S. Dhillon. An extensive exhibition on Biodiversity of plants, especially that of Uttaranchal, was also organized in the College of Home Science, inaugurated by Smt. Radha Singh, Minister of State, Agriculture and Cooperation in the Union Ministry of Agriculture, along with Shri Daniel Gustafson, representative of India and Bhutan in FAO.

The grand finale was held on the same day in the university auditorium, i.e. Gandhi Hall, in which the Chief Minister of Uttaranchal, Shri N.D. Tiwari, was the Chief Guest. Besides, the Agriculture Minister Shri Mahendra Singh Mahra, Information and Broadcasting Minister Smt. Indira Hridyesh, Health Minister of Uttaranchal, Shri Tilak Raj Behar; FAO Representative Dr G.N. Ghosh, Mrs Radha Singh, and Assistant Director-General of ICAR Dr H. S. Nainawati were also present. The VC, Dr P.L. Gautam, welcomed the guests, dignitaries and all those present in the Hall.



Dr P.L. Gautam inaugurating WFD, a brain-storming session



SAU students participating in intervarsity debate competition



Dr P. Pushpangadan, Dr P.L. Gautam, Mr Daniel Gustafson and Dr K.K. Vass on dais during thematic lectures



Dr N.D. Tiwari, Mrs Radha Singh, Dr Indira Hridyesh, Mr Daniel Gustafson and others on dais during thematic lectures



## Second C. Subramanian Memorial Lecture Delivered by Dr Khush

In the International Year of Rice, the second C. Subramanian Memorial Lecture of the university was delivered on 8 October 2004 by Dr G. S. Khush, an international rice scientist and the recipient of Padma Sri award. The topic of his lecture was Rice breeding:

past, present and future.

## INDIRA GANDHI KRISHI VISHWAVIDYALYA, RAIPUR Rainfed Rice Ecosystem: International Symposium

The Indira Gandhi Krishi Vishwavidyalaya, Raipur (Chhattisgarh) organized an international symposium on "Rainfed rice ecosystem: perspective and potential", at its headquarter Raipur from 11 to 13 October 2004. The dates of the symposium coincided with the 100th year of establishment of Rice Seed Production Farm of Raipur and the International Year of Rice.

The symposium was organized by IGAU, Raipur, Department of Agriculture, Chhattisgarh; Council of Science and Technology, Raipur and IRRI, Philippines. It was inaugurated by His Excellency Lt. Gen (Retd) Shri K.M. Seth, Governor, Chhattisgarh. In his inaugural address he laid emphasis on the availability of ample natural resources and rainfall in this region; though owing to poor water management and lack of proper extension efforts for the transfer of available technology, the yield levels have remained low. He invoked the scientists to dedicate themselves to double the rice yield through crop diversification. The VC, Dr C.R. Hazra, in his welcome address expressed that this international symposium would open new avenues in the field of rainfall rice research. The IGAU has the second largest germplasm collection in the world, and this wealth of nature is being used for developing biotic and abiotic stress-tolerant cultivars for the rice-growing area, especially Chhattisgarh. Dr J. S. Samra, DDG (NRM), ICAR, New Delhi emphasized the need for efficient management of natural resources.

The symposium was attended by 405 scientists and delegates from various national and international institutes. In all, 68 oral presentations and 320 poster presentations were made. The concluding session was graced by the Chief Minister of Chhattisgarh, Dr Raman Singh. He said: Rice is culture, rice is tradition and rice is a part of life in this state. He particularly emphasized proper attention to implementation of improved technology and development of cultivars for drought situations. On this occasion Dr Singh inaugurated the Medicinal and Aromatic Plants garden.

## MAHARANA PRATAP UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, UDAIPUR

### Farmers' School

Farmers' schools have been established by 10 KVKs and ATIC in all 11 districts (Udaipur, Rajsamand, Sirohi, Bhilwara, Chittorgarh, Banswara, Dungarpur, Bundi, Baran, Kota and Jhalawar) for empowering the selected progressive farmers as Technology Transfer Agents (TTA) in the villages. A training programme of the selected farmers was organized during 26-28 October 2004 at DEE, Udaipur.

## PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

### Nomination of Dr Kirpal Singh Aulakh, VC, on Prestigious ICAR Bodies

Shri Sharad Pawar, the Union Minister for Agriculture and President of ICAR Society has nominated Dr Kirpal Singh Aulakh, Vice-Chancellor, as Member on the ICAR Society as well as Member on its Governing Body w.e.f. 16.9.2004.



Dr G.S. Khush, garlanding the portrait of Shri C. Subramanian



International Rice meeting, 2004

## Ghana Delegation Visits PAU

Under the guidance of Mr Emmanuel Aggrey-Fynn, Director, Statistics Research and Information, a high-powered six member delegation from the Ministry of Food and Agriculture and the Ministry of Finance and Economic Planning of Ghana visited PAU and held a healthy discussion on important issues regarding agriculture. Mr Aggrey-Fynn informed that the soil fertility in Ghana is decreasing day by day because of the costly organic manure, and only 8 kg chemical manure is used per hectare. Ghana is able to produce only 20 million tonnes foodgrains. During this meeting, Dr Kirpal Singh Aulakh, VC, PAU assured the delegation of every type of help and cooperation for Ghana in the field of agricultural development; and informed that an agricultural organization of Ghana sign an MoU with PAU. The delegation asked for help and cooperation from the PAU scientists, especially in the field of Plant Breeding, and Farm Power and Machinery.



Dr K.S. Aulakh, VC, Mr Emmanuel Aggrey-Fynn with other members

## SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY, SRINAGAR

### Release of High-yielding Varieties

#### Pulses Varieties

**Shalimar Rajmash 1:** The variety was developed from a cross between a local red landrace and Canadian red variety of rajmash. It is characterized by erect bushy plant type with determinate growth habit and dark red, kidney-shaped seeds. It shows moderate resistance to Anthracnose and root rot and moderate susceptibility to common bean mosaic virus under field conditions. The variety has a seed-yield potential of 11-12 q/ha, with a yield superiority of more than 28% over conventionally grown rajmash varieties in the valley.

**Shalimar Moong 1:** The variety is suitable for lower rainfed belts of Kashmir valley under timely sown conditions, in soils of medium fertility, both as mono or associated crop with maize or pulses. The plant is characterized by determinate semi-erect growth habit, dark green foliage and round, bold, shining green seeds. It is medium in maturity (105-115 days), resistant to leaf spot and pod blight, and immune to yellow mosaic virus (YMV) under field conditions. It has protein content 23-24% and seed-yield potential 7.6 q/ha, with a yield advantage of 24% over conventional greengram (*moong*) varieties.

#### Maize Varieties

**Shalimar KG Maize 1:** It has been developed through varietal cross between local landrace maize from Gurez (extra early maturity) and maize Pool 39 introduced from CIMMYT, Mexico, and subsequent ear-to-row selection. It is suitable for cultivation in the cold hill areas up to an altitude of 6,500 ft amsl, particularly in Gurez and Machil areas. It is extra early in maturity (120-125 days), tolerant to leaf blight, downy mildew and maize stem-borer, and resistant to stem rot. It contains 12.25% protein, with a grain-yield potential of 40-45 q/ha.

**Shalimar KG Maize 2:** It is developed from varietal cross between Gurez local landrace of maize and Pool 42 material received from CIMMYT, Mexico. The variety is suitable for early sown conditions in higher hills. It belongs to extra early maturity group (125 days), and is tolerant to leaf blight and stem-borer, and resistant to stem rot and low temperature. It has grain-yield potential of 35 q/ha with a protein content of 11.37%, and is recommended for cold hill areas of the valley, particularly Gurez and Machil (6,500 ft amsl).

## UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

### Krishi Mela

A mega event of the UAS, Dharwad, Krishi Mela 2004, was organized during 1-4 October 2004. More than 1.5 lakh visitors attended the event. There were 300 stalls, where inputs from different agencies, viz. agro processors, research stations, machinery and equipment, were exhibited and demonstrations held. As a part of Krishi Mela, animal shows were also arranged such as Crossbred



cows and purebred buffalo show, UAS Animals show, Dog show and Bullock pair show. In addition, the Best Farmer and Best Farm Women from northern districts of Karnataka were honoured by the Minister of Agriculture of Karnataka. On all the 4 days farmer-to-farmer interaction sessions were held, where experiences of farmers in integrated systems, empowerment of farm women, rain-water harvesting, implements and indigenous technologies, organic farming, aromatic plant cultivation and other topics of agriculture awareness were discussed.

For the encouragement of participant stall-holders, momentos and certificates for the best display were awarded under each profile. Cash transactions worth more than Rs 1.5 crores were made by the sales of inputs, publications and implements etc. in addition to indirect benefits of more than Rs 4 crores.



Shri T.B. Jayachandra, former Minister for Agriculture, Government of Karnataka, inaugurating krishi mela in the presence of dignitaries

## AWARDS AND RECOGNITION

### INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR

#### Dr M.P. Yadav Awarded Dr C.M. Singh Samman

Dr C.M. Singh Endowment Trust, Bareilly conferred the prestigious Dr C.M. Singh Samman, 2005 on Dr M.P. Yadav, Director, IVRI, Izatnagar, for his outstanding contributions in the advancement of veterinary science especially veterinary microbiology. The award was given on 10 January 2005 by Dr C.M. Singh, former Director, IVRI, who was facilitated by the institute on this occasion. Dr C.M. Singh headed this national premier institute for 16 years from 1966 to 1982, and was responsible for its expansion at Izatnagar and creation of a number of regional stations. Contributions made by Dr Yadav in animal health are recognized nationally and internationally, and have earned him several awards. Dr Yadav has also recently taken over as the Secretary-Treasurer, Indian Agricultural Universities Association (IAUA), New Delhi. He attended the Annual Convention of IAUA held at CCS HAU, Hisar on 12-13 January 2005 to discuss various issues and challenges in agricultural education, including the quality of higher education.

### CCS HAU, HISAR

#### Outstanding Teacher Awards

Dr S.K. Bhatia, Professor, Department of Animal Nutrition, has been conferred with Bharat Ratna Dr C. Subramaniam Award for outstanding teacher, for the biennium 2002-02. The award was presented to him on 19 October 2004 at NASC Symposium Hall, Pusa, New Delhi



Dr S.K. Bhatia, Professor of Animal Nutrition, receiving Best Teacher award

#### Scientist bags International Project

Dr Dhreej Singh, Senior Scientist, Oilseeds Section, Department of Plant Breeding, has received the approval of a prestigious research project: Oilseed brassica improvement in China, India and Australia, to be funded jointly by the Australian Centre for International Agricultural Research and Grain Research and Development Council of Australia. With other collaborators from NRC, Bharatpur and PAU, Ludhiana, the group will work on thermo/drought tolerance/Sclerotinia resistance and genetic resistance in Oilseed Brassica.

### ANAND AGRICULTURAL UNIVERSITY, ANAND

#### Rajiv Gandhi Award

The Vidhya Dairy run by students of Dairy Science College has won Rajiv Gandhi award for quality assurance. Best Research Paper award was given to Dr V.R. Boghra, Research Scientist, Dairy Science College by Association of Food Scientists and Technologists of Mysore for the paper entitled "Extraction of antioxygenic principles from tulsi and their effect on oxidative stability of ghee."

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

Dr V.P.S. Arora, Dean, College of Agribusiness Management; Dr Rachel George, Dean, College of Home Science; and Dr A.P. Sharma, Dean, College of Fishery Sciences were awarded Bharat Jyoti Award by the Indian Friendship Society, New

Delhi, for their outstanding contributions in their respective fields.

Dr H.M. Agrawal, Professor of Physics, won the DAE Golden Jubilee Science Quiz Programme of the university/college teachers and received a certificate and Rs 50,000.

### MAHARANA PRATAP UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, UDAIPUR

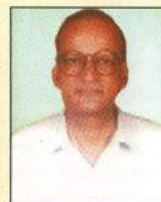
#### Awards

Mrs Mamta Tiwari, Assistant Professor, Krishi Vigyan Kendra, Kota, was awarded University Best Extension Worker award, 2003-04. The award was bestowed upon her by Prof. R.P. Singh, Vice-Chancellor, MPUAT, Udaipur.



Mrs Mamta Tiwari

Dr A.N. Mathur, Dean, CTAE, Udaipur; Dr N.S. Rathore, Professor and Head, Renewable Energy Department, CTAE; and Dr V.K. Vijay, Assistant Professor, IIT, Delhi have together received the AICTE Takniki Pathyapustak Puraskar Yojana, 2003-04 award for writing a Hindi book *Oorja Paristhiti Vignyan evam Paryavaran*. The award consists of cash amount of Rs 21,000 and a citation.



Dr A.N. Mathur

Prof S.R. Maloo, Department of Plant Breeding and Genetics; RCA, Udaipur has been selected for Harbhajan Singh Memorial Award of the Indian Society of Genetics and Plant Breeding for the triennium 1997-99. This award was given to Prof. Maloo for his outstanding research work done in germplasm collection, evaluation, characterization, documentation and final breeding high-yielding varieties of small millets. The award consists of a Plaque of Merit and a certificate with citation.

### PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

#### ICAR Award for PAU Home Science Project

Dr (Mrs) Krishna Oberoi, Senior Scientist-cum-Technical Coordinator, AICRP on Family Resource Management and Dr (Mrs) Sumita Roy, Retired Professor-cum-Technical Coordinator, AICRP on Home Science Extension received Choudhary Devi Lal Outstanding Award for best All India Coordinated Research Project (AICRP) award in Home Science at New Delhi from Shri Sharad Pawar, Union Minister of Agriculture, on 19 October 2004.

#### Best Teacher Award for PAU Engineer

Dr S.S. Dhaliwal, Associate Professor of Mechanical Engineering, College of Agricultural Engineering, has been selected as Best Engineering College Teacher from the State of Punjab by the Indian Society of Technical Education for the year 2004. He worked on many projects and research schemes in solar energy funded by the ICAR and State Government.

### TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE

#### National Award

Dr C. Ramasamy, Vice Chancellor, TNAU and Dr D. Suresh Kumaran, Assistant Professor (Agricultural Economics), Water Technology Centre, TNAU have been jointly awarded Dr K. Desai Award by the Indian Society of Agricultural Economics for the best research paper published in *Indian Journal of Agricultural Economics*. The work was titled "Modelling household economy of agroforestry-based resource-poor farmers with a blend of silvipastoral systems".



Dr C. Ramasamy  
VC, TNAU



Dr D. Suresh Kumaran,  
Assistant Professor,  
WTC, TNAU

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