



IAUA NEWS

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Announcement

SPOT NEWS

Dr I.V. Subba Rao honoured with Padma Shri and Elected President of IAUA

Dr I.V. Subba Rao, a dynamic Vice-Chancellor of Acharya N.G. Ranga Agricultural University, Rajendranagar, Hyderabad has been honoured with Padma Shri on 26 January 2002 by the Government of India. He has also been elected the President of IAUA for the year 2002 after serving as Vice-President during 2001 and Secretary-Treasurer during 2000. He is a renowned soil scientist who has contributed immensely to the State and National agriculture systems.

The Association congratulates Dr Subba Rao for the honour and wishes him a very bright future.



Dr I.V. Subba Rao

Dr V.K. Patil elected President, Association of Indian Universities

Dr V.K. Patil, Vice-Chancellor, Indira Gandhi Krishi Vishwa Vidyalaya, Raipur has taken over as the President of the Association of Indian Universities, on 1 January 2002 for a period of 1 year. Prior to this, he was Vice-President of IAUA.



Dr V.K. Patil

Dr Patil was born on 2 January 1942 in the Osmanabad district of Maharashtra. He did his M.Sc. (Agriculture) from the Agricultural College, Nagpur in 1964 and then graduated in Law also in 1967 with distinction. He did his Ph.D. in first division with distinction in Horticulture from PAU, Ludhiana. Beginning his career as the Agricultural Officer at the Research Station, Aurangabad in 1964, he rose to the position of Vice-Chancellor of Marathwada Agricultural University, Parbhani – serving there for 2 terms before joining the IGAU as Vice-Chancellor in July 1998 for a term of 5 years. Dr Patil has published 11 books and 500 research papers. Being an authority on Horticulture, he was honoured by the Union Minister of Agriculture at the National Conference on Horticulture held at Bangalore.

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NEW EXECUTIVE COMMITTEE OF IAUA

Dr S.B. Singh takes over as Vice-President of IAUA

Dr S.B. Singh, Vice-Chancellor of the Chandrashekhar Azad University of Agriculture and Technology, Kanpur, is a renowned geneticist and plant breeder. He did a commendable job in managing Tarai Development Seeds Corporation of Uttar Pradesh and as Vice-Chancellor of the GBPUAT, before taking over at Kanpur. During 2000-01, he was Secretary-Treasurer and Senior Member of the Executive Committee of the IAUA.



Dr S.B. Singh

Dr M.Y. Kamal takes over as Secretary-Treasurer

Dr M.Y. Kamal, Vice-Chancellor of Sher-e-Kashmir University of Agricultural Sciences and Technology, Shalimar Campus, Srinagar (Kashmir), is an internationally renowned fisheries expert. He held several positions including that of Assistant Director-General (Fisheries) in the ICAR. He was the Senior Member of the Executive Committee of the IAUA during 2000-01.



Dr M.Y. Kamal

MEMBERS

Dr S.S. Baghel

He is M.Sc. and Ph.D. in Genetics and Plant Breeding from the IARI, New Delhi securing first position in M.Sc. and ICAR Gold Medal at the Ph.D. level. He started his career in 1968 as Assistant Professor at the G.B. Pant University of Agriculture and Technology, and later joined as Associate Professor (1971-80) at the JNKVV, Jabalpur, and rose to the position of Professor in Plant Breeding and Genetics (1980-85). He worked as Production Chief (1982-85) at the M.P. State Seeds and Farm Development Corporation, Bhopal on deputation and became the Dean/Director and Acting Vice-Chancellor (1985-87) at the IGKV, Raipur, before taking over as VC, CAU, Imphal, on 18 January 1999.



Dr S.S. Baghel

Dr Baghel has served as a 'seed policy consultant' to the Royal Government of Bhutan from 1997 to 1998. He has also been member on a few of the ICAR Scientific panels, MP Seeds Certification Agency, CRRI, Cuttack and DRR, Hyderabad.

He visited many international organizations, i.e. IRRI (Philippines), CIAT (Colombia), CIMMYT (Mexico), IFPRI (USA), Bhutan, Penang (Malaysia) etc. He published 35 research papers and wrote 37 technical reports. He mainly focused on upgrading of education curricula, and on modernizing the research and extension activities in the universities.

Dr A.K. Bhattacharya

Dr Asim Kumar Bhattacharya joined as Vice-Chancellor of West Bengal University of Animal and Fishery Sciences, Kolkata, on 24 March 1999 for a period of 4 years. Dr Bhattacharya obtained his B.V.Sc. & A.H. degree (with distinction) in 1960 from the Bengal Veterinary College and obtained first prize in Animal Genetics.

He obtained Ph.D. (Veterinary Science) in Microbiology from the University of Calcutta in 1982. Dr Bhattacharya also took up Post-graduate courses at the Indian Veterinary Research Institute in Biological Products, and also from the Razi Institute, Iran and Instituto Zoo Pro-filetico-sperementale, Italy under UNDP/FAO programme.

Dr Bhattacharya started his career as Veterinary Surgeon in the year 1961 at Bengal Veterinary College and conducted research in the Biological Product Section of Government of West Bengal. He also served as Assistant Virologist and Virologist for 11 years and also served the Government of West Bengal in various capacities including those of Joint Director of Veterinary Services and Additional Director of Veterinary Services and retired as the Director of Veterinary Services on 31 January 1996.

The Government of Tripura appointed him as the Director of Animal Resources Development Department in 1997 and he served there up to 23 March 1999. Dr Bhattacharya published 55 research papers and 20 review articles.



Dr A.K. Bhattacharya

Dr V.P. Gupta

Dr V.P. Gupta took over the charge of Vice-Chancellor of the Rajendra Agricultural University, Pusa (Bihar) on 12 February 1999. He had retired from active service in 1997. He served for 36 years at the Indian Agricultural Research Institute, New Delhi and Panjab Agricultural University, Ludhiana. At present, Dr Gupta is a Fellow of the National Academy of Agricultural Sciences, Member of the National Scientists' Panel on Crop Improvement, and Member of the Research Programme Committee of the National Agricultural Technology Project. He is Chairman of the Research Advisory Committee of the Indian Grassland and Fodder Research Institute, Jhansi and also Member of the Research Advisory Committee of the National Bureau of Plant Genetic Resources, New Delhi.

Dr V.P. Gupta has held prestigious positions like the Golden Jubilee President of the Indian Society of Genetics and Plant Breeding for 3 years and President of the Millet Workers' Association of India for 9 years. He has been Chairman and member of many other review teams and recruitment boards in the universities at the ICAR and the ASRB. He has published 475 research and other papers.



Dr V.P. Gupta

NEW VICE-CHANCELLOR

Dr V.B. Singh

Dr V.B. Singh had his M.Sc. in 1962 and Ph.D. in 1977, specializing in Animal Husbandry and Dairy Sciences from Agra University. He started his career in 1962 from B.S. College, Agra, and later in 1967 joined the University of Udaipur, at Jobner. At Udaipur he rose to the position of Professor and Dean in 1990, and became the Vice-Chancellor of the Maharana Pratap University of Agriculture and Technology, Udaipur on 1 December 2001.

Dr Singh published about 40 research papers, including 2 books and 12 extension bulletins. He is a member of a number of Associations/Councils/Boards of Management and Committees in the ICAR as well as in the universities.



Dr V.B. Singh

DEEMED UNIVERSITIES

Indian Agricultural Research Institute, New Delhi

New Nitrification Inhibitors

New oxime ethers and Schiff bases based on furfural, an industrially available cheap raw material, have been found as potential nitrification inhibitors in the laboratory-incubation studies in a Typic Ustochrept soil. N-O-ethyl furfural oxime ether was the most active inhibitor, followed by N-O-butyl and N-O-isopropyl furfural oxime ethers. Among Schiff bases, the chlorinated derivative showed the best activity. These compounds showed 50% more nitrification inhibition on the 45th day at 5% dose than nitrapyrin, used as the standard. The new derivatives are far more economical than nitrapyrin.

Likewise, the α , β unsaturated carbonyl compounds, their derive pyrimidinones and the corresponding 2,4-dinitrophenylhydrazones were found to increase the dry-matter yield of rice at 5% of the applied N in greenhouse evaluation. These compounds increased the N status of the soil, resulting in better yield of the following wheat without any nitrogen addition. Maximum yield of rice was obtained in urea plus pyrimidinones and their dinitrophenylhydrazones. Both N uptake

and the apparent N-recovery were 20-25% higher on their application than through urea alone.

Solar-power Cooling System for Potato Storage

The solar refrigerator developed at the IARI consists of a PV solar generator, two batteries, inverter, vapour-compression refrigeration system and insulated room. The solar generator consists of 20 PV modules of 35W each (700 W). Two batteries of 12 V and 180 Ah capacity connected in series are used for energy storage. The energy is then supplied to 1 KW inverter, which converts the DC battery electricity into single-phase AC electricity. The latter is supplied to 230 V motor compressor, which operates the refrigerator with CCl₂ f₂ as the refrigerant. The vapour-compression system is attached to the insulated cooling room of about 2.4 m³ capacity. This system could store potato safely for 5 months. The temperature in the cold-store ranged from 8 to 10°C.

Website of IARI

The official website of IARI in a revised format has been designed and developed by the Bio-Informatics Centre. The site address is: www.iaripusa.org

UNIVERSITIES

A Profile

Acharya N.G. Ranga Agricultural University, Hyderabad

The Andhra Pradesh Agricultural University was established on 12 June 1964 under the Act 1963, and it was renamed as the Acharya N.G. Ranga Agricultural University (ANGRAU) on 7 November 1996.

Objectives

- To make provision for Education mainly for peasants of the State of Andhra Pradesh in Agriculture.
- To promote research and extension programmes in Agriculture to increase Agricultural production.
- To provide technically trained manpower (Education), to generate technology for increasing agricultural production (Research) and to disseminate technology to farmers (Extension).

Teaching Campuses

The university has 7 campuses at Rajendranagar, Bapatla, Tirupati, Aswaraopet, Naira, Nandyal and Muthukur, with 6 Agricultural Colleges at all the campuses except at Muthukur, where the College of Fisheries Science is located. Besides, there are 2 Veterinary Colleges at Rajendranagar and Tirupati and 2 Home Science Colleges under the university at Hyderabad and Bapatla, 1 Agricultural Engineering College at Bapatla, and a Dairy Technology College at Tirupati.

A 2-year Diploma Course is offered at the Agricultural Polytechnic Colleges at Palem (Mahaboonagar district) and Jagtial



University Administration Building

(Karimnagar district) to train the grassroot-level workers.

Research Stations

It has 67 research stations spread over 7 agro-climatic zones of the state, for conducting location-specific and need-based research.

Manpower

More than 5,000 personnel are employed in teaching (2,038), research (2,867) extension (296) and administrative (495) activities.

Teaching

The university has its teaching programmes in Agriculture, Veterinary Science and Home Science.

The annual intake and out-turn under various programmes are furnished below:



College of Agriculture, Rajendranagar



College of Fishery Science, Muthukur

Annual intake and out-turn of various degree programmes since the inception of the university

Degree programmes	Annual intake	Out-turn since inception of the university
Faculty of Agriculture		
B.Sc. (Agric.)	528	10,293
B.Sc. (Hort.)	38	200
B.Tech. (Agric. Engng.)	28	195
M.Sc. (Agric.)	160	3,178
M.Sc. (Hort.)	13	23
Ph.D.	26	301
Diploma in Agriculture	100	232
Faculty of Veterinary Science		
B.V.Sc. & A.H.	145	3,341
B.Sc. (Dairy Technology)/		
B.Tech. (Dairying)	18	102
B.F.Sc.	30	30
M.V.Sc.	72	1,025
M.Tech. (Dairying)/		
M.Sc. (Dairying)	6	3
Ph.D.	14	107
Faculty of Home Science		
B.H.Sc. (Rural)	147	1,855
M.Sc. (Home Science)	36	405
Ph.D.	5	21

Rural Agricultural Work Experience Programme

This university was the first in the country to introduce Rural Agricultural Work Experience Programme (RAWEP) for the final year B.Sc. (Agric.) students in 1979-80. In this, the students stay in villages and work with host-farmers for one semester and gain the first-hand experience in farming and for identification of production constraints. This programme has been extended subsequently to B.Sc. (Hort.) degree from 1983-84 onward. Rural Home Science Work Experience Programme (RHWEPE) was also introduced for the final-year students of B.H.Sc. (Rural) in 1992.

Student Welfare Activities

National Cadet Corps (NCC) is active in all the colleges. Remount and Veterinary (R&V) Regiment is located at Rajendranagar campus. This regiment has won all along the 'Best Riders Trophy' besides a large number of gold, silver and bronze medals at the Republic Day parade, New Delhi, from 1974 till to-date.

The university is the first in the country to professionalise the N.S.S activity and to introduce it as a part of the academic curriculum with two credits weightage.



'Earn While You Learn' project: students feeding chicks

'Earn While You Learn' projects in poultry, swine production, ice-cream making and vegetable growing are giving learning experience besides financial support to the students.



Mounted NCC Cadet at the equestrian show



Volunteers cleaning premises under N.S.S. programme

Library and Documentation Services

The university has a good library. It was reorganized in 1980, forming central library at Rajendranagar and regional libraries at Tirupati and Bapatla. The Central Library functions with branch libraries at the Veterinary College, Livestock Research Institute and E.E.I. The Regional Library at Bapatla has branches at the Home Science College and Agricultural Engineering College. In addition, College libraries function at the Home Science College, Hyderabad; Agricultural College, Naira, Aswararopet and Mahanandi; and the Fisheries College at Muthukur.

About 600 foreign and Indian periodicals are received. Publications of national and international organizations are received on exchange basis.

Central library publishes Agricultural Dissertation Abstracts, Agricultural Dissertation Index and Union Catalogue of Periodicals. The scientists at different research stations are being provided with a 'current awareness service' by circulating contents pages of latest periodicals received in the Central library as Current Agricultural Titles, backed up with photocopies of the articles.

Computerised Information Retrieval Service is provided by subscribing to Commonwealth Agricultural Bureau Abstracts on CD-ROM, dating back 1985. Under the AHRD, e-mail facility and internet connectivity have also been provided at the Central Library.

Computer Centre

The University Computer Centre, equipped with latest technology hardware and software, is a central facility catering to the needs in education, research, extension, administration and accounts.

Health Centres

Well-equipped Health Centres are located at teaching campuses at Rajendranagar, Tirupati and Bapatla. Lady Medical Officers are also appointed to look after the health problems of girl students and women employees.

Innovations

- Inter-institutional agreements are made with International Rice Research Institute (IRRI), Philippines and International Crops Research Institute for Semi-Arid Tropics (ICRISAT), Hyderabad for advanced post-graduate research.
- Regular revision and modification of undergraduate course content and syllabi is done based on the principles of educational technology.
- Development of common course outlines for each course by the teaching faculty of each discipline is done to bring uniformity in teaching courses at different campuses.
- Lecture outlines are distributed in advance to the students by the teachers.
- Common semester final examination system with centralized paper setting and correction in all faculties has been introduced from 1979.
- Written and viva-voce examinations are introduced in the post-graduate qualifying examinations.
- Colloquia are introduced for research programmes before embarking on the research programme and also before submitting thesis to improve the quality of research and also presentation of report.
- Meritorious awards have been introduced to recognize and reward the outstanding teachers, researchers and extension workers in 1986.

- Planning and Monitoring Cell is established at the university for effective implementation of various educational, research and extension activities.

Research Contributions

1. *Improved crop varieties released: 258*

2. *First in India and second in the world Hybrid rice: developed and released two rice hybrids APHR1 and APHR2 for the first time in India, and next to China in the world.*



Hybrid rice – APHR 2

3. *First in the country*

RICE: Gall midge-resistant (Kakatiya, Surekha, Pothana, Divya, Kavya, Rudrama) and brown planthopper-resistant (Vajram, Pratibha, Chaitanya, Nandi, Chandan) varieties.

MAIZE: First triple-cross hybrid (Trishulata).

BLACKGRAM: Powdery mildew-resistant variety Krishnayya (LBG 17).

GROUNDNUT: Nematode-resistant variety (Tirupati 3).

SUNFLOWER: Hybrid (APSH 11).

SUGARCANE: Red rot-resistant varieties (Co A 7601 and Co A 7602).

COTTON: White fly-resistant Kanchana (LPS 141) and immune Amaravathi (LK 861) varieties.

COCONUT: Godavari Ganga (one of the first early released hybrids).

4. *National Recognition*

RAGI: Godavari

CHILLIES: Bhagyalakshmi (G4), Andhra Jyothi (G5) and Bhaskar (CA 235)

Technologies Developed

The university has developed technologies for early *rabi* rice planting in the Godavari delta, identification and correction of zinc deficiency in rice and other crops for pulses in rice fallows, and has improved *doruuu* technology for efficient use of water in coastal sands and sub-surface drainage for agricultural lands etc.

Eight-row power tiller-operated paddy transplanter has been developed at the ANGRAU.



Paddy transplanter

Veterinary Research

Internationally famous Ongole breed of cattle is being improved.

The Punganur breed of cattle, the smallest breed in the world, is being preserved at Livestock Research Station, Palamaner.



Ongole bull: the pride of Andhra Pradesh

Rice-fish farming has not only increased the rice productivity by more than 25 % but has also contributed to high net income for the farmers. Mud crab culture has been found a successful alternative to shrimp culture.



Rice-Fish-Banana Farming System

Extension Education

The Agricultural Information and Communication Centre processes latest research information and disseminates it to the public, farming community, and extension personnel.

This centre has been fully equipped with an offset printing unit along with letter-press and graphic section to take up all the printing works of the university.

Krishi Vigyan Kendras

The KVKs located at Anantapur, Rastakuntabai, Amadalavalasa, Malyal, Mahanandi and Bhimavaram). (Undi) organize skill- and production-oriented short-term and long-term training programmes on and off the campuses for the practising farmers; for men, women and youth, for the immediate agricultural problems.

The Extension Education Institute located at Rajendranagar is one of the four regional institutes, for training the middle-level extension functionaries in India.

The Regional Biogas Development and Training Centre financed by the Government of India was established in December 1988 at Rajendranagar. This centre offers training programmes to master masons, the users of bio-gas plants, field staff of nodal agencies and unemployed rural youth.

Kisan Melas

The Kisan Melas provide unique opportunity for the farmers to personally observe and gain first-hand information of latest technologies and their applicability.



Dr I.V. Subba Rao, Vice-Chancellor, releasing agricultural publications at Kisan Mela, Amberpet

AHRD Project

The Agricultural Human Resources Development

Project, funded by the World Bank, was sanctioned for a period of 5 years, effective from 10 July 1995, for the university with an outlay of Rs 611.427 million.

The programmes proposed under the Project are Faculty (quality) improvement; Faculty exchanges within India and with foreign universities; Upgrading of teaching, laboratory equipment, computer systems, communication, farms, libraries and hostels; Curriculum and syllabus reforms; Revitalization of teaching methodologies; Modernisation of university administration and management systems; Establishment of placement centres and student attachment programmes to agro-industries; Training focused on job-oriented needs; Systematic training needs assessment and Evaluation of training effectiveness.



Hon'ble Minister for Agriculture, Horticulture and Sugar, Shri K. Vidyadher Rao, addressing farmers during Kisan Mela at the Agricultural Research Station, Maruteru



Hon'ble Chief Minister, Shri N. Chandrababu Naidu, releasing 'Vyavasaya Panchangam 1998-99' on Ugadi Day (29-3-98)

Acharya N.G. Ranga Agricultural University, Hyderabad

Innovative Farm Telecast 'Rythu Mitra'

The Government of Andhra Pradesh has launched an innovative farm telecast programme, Rythu Mitra, through Teja T.V. in association with the Acharya N.G. Ranga Agricultural University on 6 August 2001. Shri N. Chandrababu Naidu, Hon'ble Chief Minister of Andhra Pradesh, inaugurated the programme. The hon'ble Chief Minister, hon'ble Minister of Agriculture and Horticulture, Shri Vadde Sobhanadreeswara Rao and Vice-Chancellor, ANGRAU, Dr I.V. Subba Rao, answered the questions of farmers.

The 1 hour farm telecast, Rythu Mitra, from 6.00 to 7.00 p.m., has two components, namely the recorded programme for 30 minutes and the phone-in-session live telecast for another 30 minutes from 6.00 to 6.30 p.m. and 6.30 to 7.00 p.m. respectively.

Dr Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli

Hybrid Rice 'Sahyadri' Released

'Sahyadri', the first hybrid of rice, has been released in the State by this university. The present average productivity of this crop in the State is around 1.5 tonnes/ha, which is very low. This hybrid is a mid-late variety, maturing in 125 to 130 days. It grows to 115 to 120 cm and it is non-lodging, non-shattering type, giving 6.5 to 7.0 tonnes/ha yield under best management. It is moderately resistant to bacterial leaf blight and resistant to leaf scald and leaf blast diseases. Grain is long, slender with white kernel and rice is slightly scented. The variety is suitable for medium soils and rainfed lowlands of Maharashtra.

G. B. Pant University of Agriculture and Technology, Pantnagar

Union Agriculture Minister Inaugurates ATIC

Shri Ajit Singh, Union Minister for Agriculture, inaugurated the first Agricultural Technology Information Centre (ATIC) of India at Pantnagar University on 26 August 2001. The Agriculture Minister of Uttaranchal, Shri Banshidhar Bhagat, was also present. The inaugural ceremony was attended by Dr P.L. Gautam, National Director, NATP; Dr P. Dass, DDG (Extension), ICAR; scientists and employees of the university; and a large number of farmers.

The ATIC will be a unique centre, where products of the university like seeds, planting material, fingerlings, bio-agents, pesticides, livestock species, tools and equipments, literature, magazines and the video and audio cassettes about various techniques and technologies will be made available to the farmers as a single-window delivery system. The services of soil and water testing, plant clinic and animal clinic will also be extended to the farmers at the ATIC.



Shri Ajit Singh, Union Agriculture Minister inaugurating the first Agricultural Technology Information Centre at Pantnagar

Dr J.B. Chowdhury Elected on International and National Committees

Dr J.B. Chowdhury, Vice-Chancellor, GBPUAT, has been elected as a member on the Executive Committee of the Global Consortium of Higher Education and Research for Agriculture (GCHERA), based in the USA. The Consortium is engaged in the development of a world system of co-operation in higher education and research for agriculture by utilizing conferences, working groups and new information technologies to facilitate interaction on a global scale.

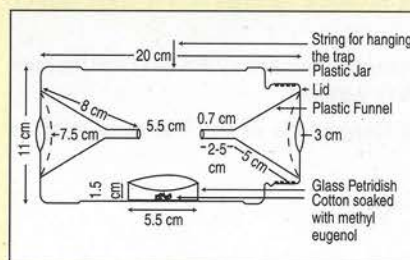


Dr J.B. Chowdhury

The Director-General, ICAR has nominated Dr Chowdhury as the Chairman of the Research Advisory Committee of the ICAR Research Complex for Eastern Region, Patna, and also as the Chairman of the Research Advisory Committee of the Indian Institute of Sugarcane Research, Lucknow.

Gujarat Agricultural University, Sardar Krushinagar

Patel Fruit-fly Trap



Patel Fruit-fly Trap

The modified trap now designed as 'Patel fruit-fly trap' has been prepared from plastic jar (11 cm x 20 cm) by cementing a plastic funnel of 7.5 cm diameter with a tubular passage of 2.5 cm length and 0.7 internal diameter. The trap is baited with cotton swab impregnated with only methyl eugenol as a sex pheromone. The traps are suspended in orchards at the rate of 8 traps/ha. The male flies are attracted to traps and are killed inside. The fruit-fly species attracted towards methyl eugenol are *Bactrocera dorsalis*, *zonatus* and *correctus*. With the sustained efforts, the technique has now been well established in Gujarat. It is highly cost effective and is economical as well.

Seed Treatment for Groundnut

The white grub, *Holotrichia consanguinea* Blanchard, is the key pest of groundnut. Under severe pest incidence, crop losses may range between 50 and 100%. Foliar sprays of chemical insecticides are ineffective against root grubs.

Seed treatment with quinalphos 25 % EC (CBR 1:13.56) or chlorpyrifos 20% EC (CBR 1:13.45) 25 ml/kg seed was found highly effective and economical method for preventing grub damage in *kharif* groundnut. This has been instrumental in reviving groundnut cultivation in many districts of Gujarat, where farmers had abandoned the cultivation of *kharif* groundnut.

The groundnut seed treatment technology requires a 2 x 1 m piece of thick plastic sheet, measuring cylinder, rubber gloves etc. Weigh 20 kg of good quality of groundnut seeds and spread them on a plastic sheet. Then measure 500 ml of either quinalphos 25% EC or chlorpyrifos 20% EC and pour it slowly on the seeds. The other man with rubber gloves on the hand may go on mixing and smearing the insecticide to obtain uniform coating on the seeds. The treated seeds should be air dried for atleast 3-4 hours under shed by spreading them on the same sheet of plastic before sowing. The treated seeds after drying can be sown 2 or 3 days after treatment without loss in germination. Water should not be added while treating seeds with insecticide.

Sugarcane Variety Released

Sugarcane CoN 95132 (Gujarat Sugarcane 3) has been released for commercial cultivation. It is early maturing with average cane yield 111 tonnes/ha, C.C.S. 13.29 %. C.C.S. 12.60 t/ha. It is moderately resistant to red rot and wilt diseases.

(Regional Sugarcane Research Station, Navasari)

Indira Gandhi Krishi Vishwa Vidyalaya, Raipur

Three Agricultural Colleges opened in Chhattisgarh

Three new agricultural colleges were inaugurated on 20 September 2001 at Bilaspur, Ambikapur and Jagdalpur in Chhattisgarh, an agrarian state. The three stations are already having KVKs and good research establishments; such as Zonal Research Stations at Ambikapur and Jagdalpur and Regional Research Station at Bilaspur.

Distance Education in Agriculture

The IGKVV has initiated distance education in vocational courses of 6 months and 1-year duration. The courses are: (i) Fisheries development, (ii) Vegetable cultivation, (iii) Fruit cultivation, (iv) Animal production, (v) Goatery, and (vi) Mushroom cultivation. The 6-monthly course shall have 3 modules and 1-year course

shall have 5 modules with 2 months duration each, and the last 2 months will be exclusively for practicals.

Mahatma Phule Krishi Vidyapeeth, Rahuri

Chief Minister Visits Hi-tech Floriculture and Vegetable Project

Hon'ble Chief Minister of Maharashtra, Shri Vilasraoji Deshmukh, visited Hi-Tech Floriculture and Vegetable Project situated at the College of Agriculture, Pune.



Chief Minister of Maharashtra, Hon'ble Shri Vilasraoji Deshmukh visiting the Floriculture and Vegetable Project

There are 5 greenhouses and polyhouses under the High-Tech Project. Varieties of rose, carnation, gerbera and colour capsicum are produced in a large quantity here. Dr S.N. Puri, Vice-Chancellor of the university, informed the dignitaries about the project in detail.

In his speech, Shri Deshmukh said, 'Among the 30 agricultural universities in the country, this is the only university with such a unique project in public sector, and it will be the guiding force for all the other universities.'

MEET OUR EDITORIAL BOARD



Dr R.P. Singh

Dr R.P. Singh joined the Wheat Research Programme in 1964 at the IARI during the setting of 'Green Revolution' after finishing his M.Sc. (Agronomy). He did his Ph.D. on Wheat Plant Nutrition (1967-71) at the IARI under Dr R. G. Anderson. He joined the Division of Agronomy in 1971 and rose to the position of Principal Scientist in 1983. His main achievements include Double cropping in drylands and Phosphorus

top-dressing in irrigated crops. He was selected for Wheat Agronomy Programme as Principal Investigator at WPD. In 1985-86, with Dr Peter Hobbs (CIMMYT), he developed National Rice-Wheat Programme, which was re-christianed the International Rice-Wheat Programme; he worked for this programme up to 1993. In November 1993 he joined the Project Directorate of Cropping Systems Research, Modipuram as Project Co-ordinator, directed the programme as Project-Director (Acting) and in September 1995 he took over as Head, Division of Agronomy, IARI. He has 130 Research publications to his credit.

He visited 15 countries as a visiting scientist while organizing the national and international training programmes/meets, travelling workshops etc. He worked as a consultant with FAO, World Bank, Tilda, Tahal, McKinsey & Co. and national organizations such as CES, WAPCOS, Agricultural Finance Corporation and NATP. Since December 2000, he is Executive Secretary of the IAQA.

Dr H.S. Nainawatee is currently the Assistant Director-General (Human Resource Development) in the Education Division of the Indian Council of Agricultural Research. He did B.Sc. (Agric.) from the University of Udaipur, Rajasthan, and M.Sc. and Ph.D. from the Indian Agricultural Research Institute, New Delhi. He was Head of the Departments of Biochemistry and Biotechnology and Molecular Biology at the



Dr H.S. Nainawatee

Chowdhury Charan Singh Haryana Agricultural University, Hisar. He was awarded DANIDA Post-Doctoral fellowship on Protein Chemistry in Denmark. He taught Molecular Biology courses, and developed course curricula for Biochemistry, Biotechnology and Molecular Biology. His major research interests include biochemistry and molecular biology of abiotic stresses in plants and micro-organisms, and biological nitrogen-fixation.

He has to his credit 125 publications, which include original research papers, book chapters, symposia proceedings and reviews. He is the Member of the Board of Management of the Tamil Nadu Agricultural University, Coimbatore; President of the National Society of Plant Science; and Vice-President of the Society for Plant Biochemistry and Biotechnology.

Mrs Shashi A. Verma is M.Sc. (Botany) from Delhi University. Besides, she has Diploma in Journalism and French language. She joined the ICAR in May 1982 as Sub-Editor (English) and was promoted to Assistant Editor (English) in March 1986. Since April 2000, she is looking after the work of Chief Editor (English) in the Directorate of Information and Publications of Agriculture.

Dr Baldeo Singh had his education from Varanasi (B.Sc. in Agriculture) and Kanpur (M.Sc. in Agricultural Extension) and served as Lecturer in Uttar Pradesh Institution of Agricultural Sciences. In 1977 through ARS he was appointed Scientist at the IVRI. He served also at the Central Institute of Research on Goats at Makhdoom up to 1980, and as Senior Scientist he worked at NEH Region, Shillong, in March 1980. He joined as Principal Scientist at the IARI in September 1985 and took over as Head, Agricultural Extension in March 1999. He has completed 16 research projects, published about 80 research papers and got the 'Best Teacher Award' of the IARI. He is a specialist on transfer of Technology through IVLP.



Dr Baldeo Singh

EVENTS

Inter-Varsity Volleyball Tournament: North Zone, at Pantnagar University

The GBPUAT, Pantnagar University hosted the major sports event, viz. the North Zone Inter-Varsity Volleyball Tournament 2001-02 of men, which was declared open by the Vice-Chancellor, Dr J.B. Chowdhury on 22 September 2001.



Dr Chowdhury laid emphasis on fair play and good sportsman's spirit. He also released a Souvenir published on this occasion. Total 24 teams of various universities from Delhi, Haryana, Punjab, Jammu and Kashmir, Himachal Pradesh, Uttar Pradesh and Uttaranchal participated in this tournament, which continued up to 27 September 2001. The first place was secured by Punjabi University, Patiala; the second by Shimla; the third by Kurukshetra University; and the fourth by HNB University, Garhwal.

NYPC Merit Trophy to ANGRAU

The 12-member team of Tirupati campus of ANGRAU has won the National Merit Trophy and individual prizes at the national-level Youth Parliament Competitions (NYPC) for their outstanding performance.

The Merit Trophy and individual prizes will be presented by the Ministry of Parliamentary Affairs, Government of India at a special prize distribution function scheduled to be held at New Delhi shortly.

FUTURE PROGRAMMES

Indian Agricultural Research Institute, New Delhi

The Indian Society of Agronomy is organizing the Second International Agronomy Congress at New Delhi during November 2002. The theme is 'Balancing Food and Environmental Security: a Continuing Challenge'. The details will shortly be available on the website www.agrosoc.com.

AWARDS AND HONOURS

Indian Agricultural Research Institute, New Delhi

Dr B.S. Parmar, Head, Division of Agricultural Chemicals, IARI, and Dr S.K. Gupta of CSSRI, Karnal, were jointly awarded Rafi Ahmed Kidwai Award for the biennium 1999-2000 for their significant contribution in natural resource management.

Dr P.S. Sirohi, Head, Division of Vegetable Crops, was awarded Hari Om Ashram Trust Award of the ICAR for the biennium 1999-2000 for his outstanding research contribution in the improvement of vegetable crops.

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To,

From:

Executive Secretary
Indian Agricultural Universities Association
711, Krishi Anusandhan Bhawan, New Delhi 110 012

Dr Sharmistha Barthakur, Scientist, National Research Centre on Plant Biotechnology, was awarded the Jawaharlal Nehru Award 2000 for outstanding post-graduate research in plant biotechnology.

Dr (Ms) Suman Gupta, Scientist (Senior Scale), was awarded the Lal Bahadur Shastri Young Scientist Award for Agricultural Research for the biennium 1999-2000 for her outstanding contribution in crop protection.

Indira Gandhi Krishi Vishwa Vidyalaya, Raipur

Dr V.K. Patil, Vice-Chancellor, IGAU has been elected as the President of Indian Universities Association for a period of 1 year.

Dr Sunil Puri, Professor and Head, Department of Forestry, has been nominated as the Co-ordinator for the Tropical Agroforestry Zone of International Union for Forestry Research Organisation (IUFRO) for 5 years.

Central Institute of Fisheries Education, Mumbai

Dr K. Pani Prasad, Scientist, Fish Health Management Laboratory, Central Institute of Fisheries Education (CIFE), Mumbai, has been awarded Dr S.Z. Qasim Gold Medal for the year 2000 of the Society of Biosciences from Dr Harsh K. Gupta, Secretary, Department of Ocean Development, New Delhi on 11 September 2001 during the National Symposium on 'Basic Sciences and Fisheries' held at CIFE.

Acharya N.G. Ranga Agricultural University, Hyderabad

Prestigious ICAR Awards to ANGRAU Scientists

Dr Ramanujam Sai Kumar, Senior Scientist (Maize Breeder), Agricultural Research Station, Amberpet and Dr B. Vijayakumar, Assistant Professor, Department of Agronomy, College of Agriculture, Rajendranagar, Hyderabad have won the prestigious Rafi Ahmed Kidwai and Jawaharlal Nehru Awards, respectively of the ICAR, New Delhi.

Both the scientists received the awards from the Hon'ble Union Minister of Agriculture, Government of India, at the Awards Presentation Function held at Vigyan Bhavan, New Delhi, on 16 July 2001.

The Rafi Ahmed Kidwai Award for the biennium 1999-2000, consisting of a cash prize of Rs 3 lakh, was presented to Dr Sai Kumar for his outstanding research work on maize, whereas the Jawaharlal Nehru Award for outstanding Postgraduate Agricultural Research 2000, carrying a cash award of Rs 20,000, was given to Dr Vijayakumar for his Ph.D. thesis, which was adjudged the best.

ANNOUNCEMENT

NATIONAL ACADEMY OF AGRICULTURAL SCIENCES AWARDS (2001-2002) (Last date for receipt of Nominations: 30 March 2002)

MEMORIAL AWARDS

(Senior-level outstanding scientists above the age of 55 years)

1. **Dr B.P. Pal Memorial Award:** For overall agricultural research and development in any branch of science relevant to Agriculture. (The award carries a scroll and pure gold medal)
2. **Dr K. Ramaiah Award:** Outstanding contribution in Plant Improvement in any branch of Agriculture through basic sciences and biotechnology.
3. **Dr K.C. Mehta Award:** Plant Protection including Entomology, Plant Pathology, Nematology, Microbiology and Agrochemicals.
4. **Dr M.S. Randhawa Award:** Agricultural Engineering, Post-Harvest Technology, Food Technology and Social Sciences.
5. **Dr N.S. Randhawa Award:** Soil, Water and Environmental Sciences and Natural Resource Management including Crop Production (Agronomy), Meteorology and Agroforestry.
6. **Dr P. Bhattacharya Award:** Animal Sciences including Veterinary Science, Fisheries and Aquatic Resources. (Each award from items 2 to 6 consists of a citation and gold-plated silver medal)

RECOGNITION AWARDS

(Age group 35-55 years, Fellows of NAAS)

- (a) Plant Improvement, (b) Plant Protection, (c) NRM and allied branches as in item 5 given above, (d) Animal Sciences, (e) Agricultural Engineering etc. as in item 4 given above, and (f) Social Sciences. (Each award consists of a citation, a medal and a sum of Rs 50,000)

YOUNG SCIENTISTS' AWARDS

(6 awards, one for each area of Agricultural Sciences, as in item II: Recognition Awards)

Eligibility for Young Scientists' Awards: After obtaining Ph.D. degree, age below 35 years. (Each award consists of a citation, a medal and a sum of Rs 25,000)

- Note: ● Nominations for the awards mentioned at Category No. I may be made in a manner deemed fit by you. Nominations for Nos. II and III may be made on the prescribed proforma, which can be had from the Academy Secretariat or can be downloaded from the Academy website <http://education.vsnl.com/naas>
- For details and other enquiries: Contact the Secretary, NAAS, P.O. Box No. 11325, NASC Complex, Pusa, New Delhi 110 012.