

6. Education and Training



6.1: Training Received

6.1.1: International Training

Name of the scientist	Topic of training	Place	Period
Dr. Vinita Gotmare	Genome Resource Conservation	Mississippi State University, USA	04-04-2011 to 04-07-2011
Dr. V.S. Nagrare	Sensor based Technologies and Application for Natural Resource Management in Precision Farming	Colorado State University, Colorado, USA	15-08-2011 to 15-11-2011
Dr. S. Manickam	Marker Assisted Selection in Crops	North Carolina State University, Raleigh, USA	15-09-2011 to 15-12-2011

6.1.2: National Training

Name of the Scientist	Name of the course/traininig	Place	Period
Dr. V.N. Waghmare	Bioinformatics in Agriculture	IASRI, New Delhi	29-08-2011 to 07-09-2011
Dr. T.R. Loknathan	Pre-breeding in Crop Improvement	PAU, Ludhiana	07-09-2011 to 27-09-2011
Dr. K.P.M. Dhamayanthi	Allele Mining: Basic, Principles, Methods and Applications	TNAU, Coimbatore	10-10-2011 to 21-10-2011
Dr. K. Velmourougane	Synthesis and characterization of nanomaterials and their application in agriculture	CIRCOT, Mumbai	16-11-2011 to 29-11-2011
Dr. V. Santhy & Mrs. Mukta Chakrabarty	Sampling and Detection Methods Applied to Transgenic Crops	NIN, Hyderabad	17-11-2011 to 19-11-2011
Dr. D. Kanjana	Nanoparticle production, characterization and utilization in Agriculture	CAZRI, Jodhpur	23-02-2012 to 03-03-2012
Dr. S.M. Palve	SAS: Genetics and Genomics Data Analysis	CIFE, Mumbai	27-02-2012 to 03-03-2012
Dr. K. Sankaranarayanan	Application of Geo-informatics and crop simulation models for Agricultural Management	NAARM, Hyderabad	13-03-2012 to 26-03-2012

6.2: Training Imparted

Multi skilled training programme for casual labours conferred with temporary status

A fourteen days training program was conducted for Casual labours conferred with temporary status at CICR, Nagpur and Coimbatore. The main objective of the training programme was to upscale their knowledge about scientific, technical and administrative works.

At Coimbatore, 44 Casual labours attended this training from 05.03.2012 to 09.03.12 and 20.03.12 to 29.03.2012. Dr (Mrs) S. Usha Rani, Scientist (SS) (Extension) coordinated the programme.

At Nagpur, 117 Casual labours attended this training from 07.03.2012 to 21.03.2012. Dr. S.M. Wasnik, Principal Scientist (Extension) coordinated the programme.



Training programmes for the Tribal farmers under Tribal Sub Plan (TSP)

At Nagpur, two training programmes on "Recent Advances in Cotton Production Technologies" were conducted for tribal farmers. One hundred tribal farmers of Hingna Taluka and 343 tribal farmers of Gadchandur, Dist Chandrapur participated in the training programmes organized by CICR, Nagpur on 10.2.2012 and 27.03.2012 respectively.

At Coimbatore, four training programmes on Integrated Cotton Management techniques were conducted for 75 tribal cotton growers from Vellore and Salem Districts of Tamil Nadu under TSP. The programs were convened by the Project Coordinator and Head and co-convened by Dr. (Mrs) S. Usha Rani, Scientist (SS) (Agrl. Extension).



Training-cum-awareness programme for farmers on PVP & FR

CICR conducted one day training-cum-awareness programme for updating the knowledge of cotton farmers on Plant Variety Protection and Farmers' Rights as well as DUS testing. At Nagpur, this training programme was conducted on 28.3.2012 and 30.3.2012 and was attended by 120 farmers from Bhiwapur, Umred and Khapa blocks of Nagpur District. Dr. V. Santhy, Scientist (SS) conducted the programme.



At Coimbatore, this training programme was conducted on 26.3.2012 and 27.3.2012 and was attended by 118 and 131 farmers respectively from cotton growing villages- Vadapudur, Kinathukadavu, Annur, Kanjapalli, Kallapuram, Meenakshipuram, Veerappagoundanor in and around Coimbatore District.



Nagpur

National training on varietal purity-testing of specified traits

A National Training on "Varietal Purity-Testing of Specified Traits" was organized during 31st Jan.- 4th Feb. 2012 (5 days) at CICR, Nagpur, wherein 30 candidates participated from Seed Testing, Seed Certification, Seed Production departments and research institutions/Agril., Universities. Dr. P.R.Vijayakumari, Principal Scientist conducted the programme.



Training on cotton production technology to FLD beneficiary farmers

One day training programme on 'cotton based intercropping system' and 'integrated nutrient management-leaf reddening in cotton' was organized for FLD beneficiary farmers at villages Girad in Samudrapur and Jangona in Hinganghat tahsils of Wardha district in Vidharbha region of Maharashtra. 96 farmers attended these training programmes. The programme was conducted by Dr. S. M. Wasnik, Principal Scientist (Extension).

Coimbatore

Field experience training of 94th FOCARS

A field experience training program for eight ARS Scientist Probationers of 94th FOCARS from NAARM, Hyderabad was conducted in CICR, Regional Station, Coimbatore from 08.11.2011 to 28.11.2011 for 21 days. As a part of the program, the scientist trainees applied Participatory Rural Appraisal (PRA) technique in Vadapudur village, Kinathukadavu block, Pollachi Taluk, Coimbatore District. They also conducted a seminar in the village and Institute to explain their findings of PRA exercises, to share the researchable and non-researchable problems and to finalize the action plan with the villagers, line department officials and the scientists. Their studies revealed that water scarcity was the major impediment for agricultural productivity in Coimbatore district and proposed research proposals to tackle the problem. As a part of their training, they had industrial orientation with MIs SIMA CORA, Coimbatore. The program was coordinated by Dr. (Mrs) B. Dharajothi and Dr. (Mrs.) S. Usha Rani, Scientists of CICR, Coimbatore.

7. Awards and Recognitions



1. Dr. A.B. Joshi Young Scientist Award

Dr. (Mrs.) Suman Bala Singh, Principal Scientist (Plant Breeding) received the prestigious Dr. A.B. Joshi Young Scientist Award for her pioneering work and valuable contribution in the field of cotton breeding. Since her joining as a Scientist, she has worked in many projects involving thrust areas related to drought tolerance, male sterility and bollworm resistance under National Agricultural Technology Project and Technology Mission on Cotton. She has also developed many lines for further exploitation in biotic and abiotic stress management, productivity and fibre quality improvement. The A.B. Joshi Award is being given for the first time and it is a matter of pride that Dr. Suman Bala Singh is its first recipient.

2. Rao Bahadur Ramnatha Iyer Award

Dr. K.N. Gururajan, Retd. Principal Scientist (Plant Breeding), CICR Regional Station, Coimbatore has been awarded Rao Bahadur Ramnatha Iyer Award for his outstanding research in the field of Cotton Improvement. He was associated with the release of varieties viz. Supriya, Kanchana, Anjali, Surabhi, Sumangala and Suraj and hybrids viz. Savitha, HB 224, TM 1312 and Sruthi.

3. Bhumi Nirman Award 2011

Dr. K.R. Kranthi, Director CICR, was awarded Bhumi Nirman Award 2011 from Bhumi Nirman Group for his leadership and contribution to Indian agriculture particularly cotton.

4. Fellow of the Indian Society of Genetics & Plant Breeding

Dr. V.N. Waghmare, Senior Scientist, CICR, Nagpur has been Elected Fellow of the Indian Society of Genetics & Plant Breeding based on his outstanding scientific contribution and achievements. The certificate was presented by Dr. S. Ayyappan, Secretary, DARE & DG, ICAR on April 22, 2011 in the National Seminar on 'Contemporary Approaches to Crop Improvement' organized by ISGPB & ICAR at UAS, GKVK Campus, Bangalore.

5. Other awards

- i. Central Institute for Cotton Research, Regional Station, Coimbatore received the award for outstanding performance - DUS test Center under ICAR category during 2010-11



- ii. The CICR technologies were exhibited in the State level Farmers Day at TNAU, Coimbatore for three days from 22.07.2011 to 24.07.2011 and the stall of CICR, Coimbatore bagged the "Best Stall Award among the Central Government Institutions"



8. Linkages and Collaborations



Areas of Linkages	Institution
NATIONAL	
Fibre testing, fiber quality evaluation and nanotechnology	CIRCOT, Mumbai
Multi-location testing of promising cultures, Bt cotton evaluation	AICCIP (21 centers)
Germplasm collection maintenance and plant quarantine clearance	NBPGR, New Delhi
Seed technological research and breeder seed production	NSP, New Delhi
Development of <i>cry1A (a)</i> gene construct	NBRI, Lucknow
Supply of gene construct and molecular evaluation of transgenic plant	NRC Plant Biotechnology, New Delhi
DNA finger printing of cotton	NRC DNA Finger Printing, New Delhi
Efficacy of lectins on sucking pests- New Millineum Initiatives of Technologies Leading India (NMITLI)	NBRI, Lucknow, Bose Institute, Kolkata, Nil, New Delhi, Delhi University, New Delhi, UAS, Dharwad, JK seeds.
Technology for pink bollworm resistance monitoring and management	State department of Agriculture, Haryana, KVKs, CCS HAU, Hisar, NCIPM etc
Mechanization	CIAE, Bhopal
INTERNATIONAL	
Insect transgene detection kits	Indo- Australian Project with TERI, CEASAR

