

NAHEP – CAAST

Short Training Programme Plant Genetic Resources Management and Utilization 30 September – 11 October, 2019

Training Schedule

Date	Time	Topic/Activity	Speaker
September 30 Monday	10:30 – 11:30 am	Inauguration	Dr. K. C. Bansal Senior Fellow, TERI-Deakin Nanobiotechnology Centre
	11:30 – 12:00 noon	Tea	
	12:00 – 1:00 pm	Exploration & germplasm collection: status, priorities and future thrust	Dr. S. P. Ahlawat ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5:30 pm	Practical: From field to the herbarium of cultivated plants: ‘the hidden garden of plant genetic resources’	Dr. Anjula Pandey ICAR-NBPGR
October 1 Tuesday	9:30 – 10:30 am	Avenues and opportunities for PGR utilization: and industry perspective	Dr. Deepak Prem Bayer Crop Science
	11:00 – 12:00 noon	International and national regulations governing the use of PGR	Dr. Pratibha Brahmi ICAR-NBPGR
	12:00 – 1:00 pm	PGR Informatics	Dr. Sunil Archak ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5: 30 pm	Practical: PGR Informatics	Dr. Sunil Archak and Mr. Rajeev Gambhir ICAR-NBPGR
October 2 Wednesday		Visit to Issapur farm	Dr K. K. Gangopadhyay, Dr. V S Meena, Dr. Kuldeep Tripathi and Era Vaidya Malhotra ICAR-NBPGR
October 3 Thursday	9:30 – 10:30 am	PGR management and utilization: an ethos of Indian traditional agriculture and civilizations	Dr A. K. Singh Former Head, DGC, ICAR-NBPGR
	11:00 – 12:00 noon	Characterization and evaluation of PGR	Dr K. K. Gangopadhyay ICAR-NBPGR
	12:00 – 1:00 pm	Pre-breeding for effective use of PGR	Dr. V K Sharma ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	

	2:00 – 5:30 pm	Practical: Biochemical and phytochemical evaluation of germplasm	Dr Rakesh Bhardwaj, Dr Archana Raina ICAR-NBPGR
October 4 Friday	9:30 – 10:30 am	Role of ICAR-NBPGR in PGR management	Dr. Kuldeep Singh, Director, ICAR-NBPGR
	11:00 – 12:00 noon	Germplasm collecting: logistics and tactics	Dr. K C Bhat ICAR-NBPGR
	12:00 – 1:00 pm	PGR – Conservation and Management	Dr. Veena Gupta ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5:30 pm	Practical: Conservation procedures for seed gene banks	Dr. Anjali Kak Koul and Dr. Sherry Rachel Jacob ICAR-NBPGR
October 5 Saturday	9:30 – 10:30 am	Introduction and exchange of PGR	Dr Vandana Tyagi ICAR-NBPGR
	11:00 – 12:00 noon	Plant tissue culture interventions for management of plant genetic resources	Dr. Anuradha Agrawal ICAR-NBPGR
	12:00 – 1:00 pm	Principles and applications of cryopreservation	Dr. Rekha Chaudhury ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5:30 pm	Practical: Strategies for <i>in vitro</i> conservation and cryopreservation of germplasm	Dr. Sangita Bansal, Dr. Vartika Srivastava Dr. Era Malhotra and Dr. Gowthami R. ICAR-NBPGR
October 6 Sunday		Visit to Biodiversity Park	Dr. Veena Gupta, Dr. Anjali Kak Koul, Dr. Vandana Tyagi and Dr. Sandhya Gupta ICAR-NBPGR
October 7 Monday	9:30 – 10:30 am	Some important plant resources from Western Ghats	Dr. S R Yadav Shivaji University, Kolhapur
	11:00 – 12:00 noon	Principles of plant quarantine and national quarantine setup in India	Dr. S C Dubey ICAR-NBPGR
	12:00 – 1:00 pm	Quarantine procedures for exchange of PGR	Dr. Kavita Gupta ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5:30 pm	Practical: Detection and identification of pests in exotic germplasm including transgenics	Dr. Celia Chalam Dr. Kavita Gupta Dr. Mool Chand Dr. Jameel Akhtar Dr. Bharat Gawade and Dr. Pradeep Kumar ICAR-NBPGR
October 8 Tuesday	HOLIDAY		

October 9 Wednesday	9:30 – 10:30 am	Characterization of PGR for genomics assisted crop improvement	Dr. Swarup Parida NIPGR, New Delhi
	11:00 – 12:00 noon	Role of genomics in PGR management	Dr Ambika Gaikwad ICAR-NBPGR
	12:00 – 1:00 pm	DNA fingerprinting of crop varieties	Dr. Mukesh Rana ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 5:30 pm	Practical: Molecular techniques for germplasm characterization	Dr. Lalit Arya, Dr. Manjusha Verma and Dr. Rakesh Singh ICAR-NBPGR
October 10 Thursday	9:30 – 10:30 am	Ecological niche perspectives on PGR	Dr. R Umashankeer GKVK, Bengaluru
	11:00 – 12:00 noon	Biosecurity at CGAIR centres with special reference to ICRISAT	Dr. K. S. Varaprasad Former Director, ICAR-IIOR, Hyderabad
	12:00 – 1:00 pm	Advances in PGR evaluation	Dr Ashok Kumar ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 – 3:00 pm	Visit to NBPGR Museum	Dr. Chithra Pandey, and Dr. Bharat Gawade ICAR-NBPGR
	3: 00 – 5:30 pm	Visit to NGB, <i>In vitro</i> Genebank and Cryobank	Dr Neeta Singh ICAR-NBPGR
October 11 Friday	10:00 – 1:00	Visit to IARI Phenomics facility and Phytotron facility	Dr Veena Gupta, and Dr Era Malhotra ICAR-NBPGR
	1:00 – 2:00 pm	Lunch	
	2:00 pm – 3:30pm	Valedictory Function	Dr K. V. Prabhu Chairman, PPV&FRA, New Delhi and Dr. R. C. Agrawal National Director, NAHEP