



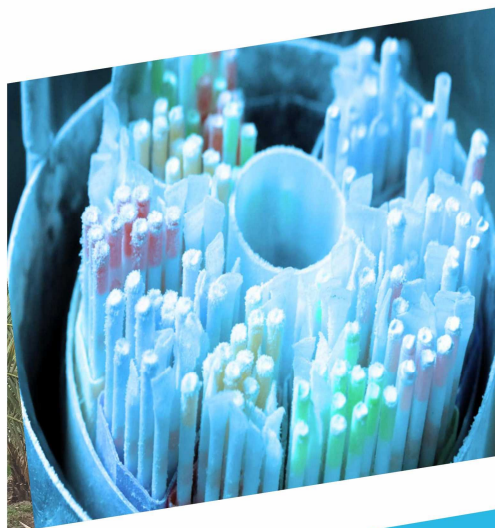
Five Day Vocational Training Programme on
“Problems and Prospects in Palm Tissue Culture and Cryopreservation”
Under NAHEP-IDP
During
2- 6 March, 2020

-:: Organized by ::-

Department of Genetics and Plant Breeding
College of Agriculture
JAU, Junagadh

-:: Venue ::-

Conference Hall, College of Agriculture
Junagadh Agricultural University, Junagadh



About the training :-

Palms are among the best known and most extensively Cultivated plant families. They have been important to humans throughout much of history. Palm tree has played a major role in agriculture and handicraft. From its root to pith to its tender leaves each part has immense use. Major palms which are popular in India are Coconut, Date palm, Oil palm, Palmyra palm, Bottle palm, Areca nut, Fishtail palm, Fox tail palm, Hoka palm *etc.* Its use includes either in the form of oil, refreshment drink, dry fruit, sugar, landscaping, mouth freshener, shelter material, cosmetics *etc.* Most of them are either monoecious or dioecious and have no or slow vegetative propagation mechanism. This limits their speed of multiplication to get true to type plants. Tissue culture can play an important role in overcoming these problems but there has been very less success and exploitation of the technique as far as palm tissue culture is concerned in India. The technique needs to be evolved in different varieties of different palms, so that mosaic pattern of cultivation can be promoted to mitigate the futuristic reduction in genetic diversity and to reduce the chances of boom and bust cycle. Maintaining genetic diversity and exchange of genetic material can be facilitated by cryopreservation. Many commercially important palms are having recalcitrant and large seeds, more over palms have large canopy, creating difficulty in their conservation. The scope of date palm and coconut is increasing day by day in Saurashtra region and the demand/scope of Palmyra palm and oil palm is booming up in south Gujarat and central Gujarat, respectively. The theme of training can be a motivator in facilitating identification of problem and prospects in palms and will open a way in resolving these issues.

SCHEDULE

Date	Time	Topic of Lecture and Practical	Speaker
02-03-2020 (Monday)	08:00 to 09:00	Registration and Breakfast	
	09:30 to 10:00	Inauguration of Function	
	10:30 to 11:00	Tea Break	
	11:00 to 13:00	Date Palm tissue culture and Cryopreservation	Dr. Ghanshyam B. Patil, Assistant Research Scientist, Tissue Culture Unit, Agricultural University, Anand, Gujarat
	13:00 to 14:00	Lunch Break	
	14:00 to 16:00	Coconut tissue culture and Cryopreservation	Dr. Neema M., Scientist Division of Crop Improvement ICAR-CPCRI, Kasaragod, Kerala
	16:00 to 16:10	Tea Break	
	16:10 to 18:10	Tissue Culture as a Profession from Beginning till now	Mr. Pragnesh Patel , Ambica Agro, Anand
03-03-2020 (Tuesday)	08:00 to 09:00	Breakfast	
	09:00 to 11:00	Palms Cryopreservation	Dr. Anuradha Agrawal, Principal Scientist ICAR-NBPGR, New Delhi
	11:00 to 13:00	How environment influence palms under in-vitro and ex-vitro	Mr. Kirti Vardhan ASPEE College of Horticulture and Forestry, NAU, Navsari
	13:00 to 14:00	Lunch Break	
	14:00 to 16:00	Palmyra palm and Oil palm tissue culture and field experience	Dr. Jayesh Pathak ASPEE College of Horticulture and Forestry, NAU, Navsari
	16:00 to 18:00	My experiences with Date palm field gene bank	Dr. D. A. Baidiyavadra Assistant Research Scientist Mundra, SDAU, S.K. Nagar
04-03-2020 (Wednesday)	08:00 to 09:00	Breakfast	
	09:00 to 11:00	Genetic Fecundity and stability in relation to Palm tissue culture and cryopreservation.	Dr. Chandramohan S. Scientist , DGR, Junagadh
	11:00 to 13:00	Tissue Culture as a Profession from Beginning till now in Date palm	Mr. Rakshit Vasundhara Vasundhara Agri. Biotechnology,Rajkot
	13:00 to 14:30	Lunch Break	
	14:30 to 17:30	Practical exposure to sterilization techniques	Dr. Rajiv Kumar Dept. of Genetics and Plant Breeding, CoA, JAU, Junagadh
05-03-2020 (Thursday)	08:00 to 09:00	Breakfast	
	09:00 to 11:00	Biodiversity in Palms (Coconut, Date palm, Palmyra palm, Oil pam) and their conservation	Dr. L.J. Raval Dept. of Genetics and Plant Breeding, CoA, JAU, Junagadh
	11:00 to 13:00	Genetics and cytogenetics of major commercial palms in India	Dr. S.K. Bera Principle ScientistCrop Improvement ICAR-DGR, Junagadh
	13:00 to 14:30	Lunch Break	
	14:30 to 17:30	Practical exposure to media preparation	Dr. Rajiv Kumar Assistant professor Dept. GPB CoA, JAU, Junagadh
06-03-2020 (Friday)	08:00 to 09:00	Breakfast	
	09:00 to 11:00	Market and scope of tissue culture palms at national and international level	Dr. Amarjeet Singh Assistant Research Scientist Department of Medicinal and Aromatic Plants, AAU, Anand
	11:00 to 13:00	Use of Bioreactor in speeding up the palm tissue culture	Dr. Ashish Vala Assistant Professor Department of Biotechnology CoA, JAU, Junagadh
	13:00 to 14:30	Lunch Break	
	14:30to 17:00	Practical exposure to inoculation and hardening techniques	Dr. Rajiv Kumar Assistant professor Dept. GPB,CoA, JAU, Junagadh
	17:00 to 18:00	Plenary session & feedback	