



SHIVAJI COLLEGE

(University of Delhi)
NAAC Accredited 'A' Grade



Department of Botany (Under aegis of DBT Star College Scheme)

Organizes

SUMMER TRAINING PROGRAMME

On

Innovative Natural Resource Management Technologies for Youth

June 20- July 18, 2022

Venue: Liibrary, Shivaji College

Organizing Committee

Patron: Prof. Shiv Kumar Sahdev, Principal (Officiating)

Coordinator: Prof. Darshan Malik, DBT Star College Scheme

Convenor: Dr. Anuradha Mal

Co-convenors: Prof. Pratima Rani Sardar, Dr. Divya Mohanty

Program Coordinators: Dr. Anurag Maurya, Dr. Deepshikha Chatterjee

Teacher in Charge: Dr. Vijay Kumar

Organizing Committee: Dr. Prabhavathi, Dr. Smita Tripathi, Dr. Kiran Bamel, Dr. Misha Yadav, Dr. Seema Talwar, Dr. Nupur Mondal, Dr. Devender Singh Meena

PROGRAMME SCHEDULE

20 June- 18 July 2022

Day	Date	Morning Session	Topic of Talk	Resource Person and affiliation		Afternoon Session	Hands On Training	Resource Person and affiliation	
Mon	20.6.2022	10:30 AM-12:30 PM	Inauguration of the Summer Training Programme <ul style="list-style-type: none"> • Introduction by Dr. Deepshikha Chatterjee • Welcome address by Dr. Anuradha Mal (Convenor DBT Star College Scheme, Department of Botany) • Welcome address by Prof. Shiv Kumar Sahdev (Principal) • Introduction of Chief Guest: Prof. K. C. Bansal (Secretary, National Academy of Agricultural Sciences, India; Former Director of NBPGR, ICAR, Pusa, New Delhi) • Key note address by the Chief Guest on '<i>Genome Engineering: Natural Resource Management for Sustainable Agriculture</i>' • Question and Answer session • Vote of Thanks by Dr. Divya Mohanty 						
Tues	21.6.2022	10:30 AM-1:00 PM	<i>Biodiversity for Everyone's Life- Grow a tree and save our Planet</i>	Prof. Dinabandhu Sahoo Senior Professor Department of Botany University of Delhi	LUNCH BREAK (1:00-2:00 PM)	2:00 PM onwards	Video Screening		
Wed	22.6.2022	10:30 AM-1:00 PM	<i>Natural Resource Management- Enterprise Development for Youth</i>	Prof. (Dr.) Atul Freelance Consultant Director (Rtd.) Directorate of Extension Education & Founder HOD Department of Agroforestry & Organic Agriculture CSK-HP Agricultural University, Palampur		2:00 PM onwards	<i>Exercises on Personality and Skill Development</i>		
Thurs	23.6.2022	Departure from New Delhi to Palampur, Travel to CSK-HPKV at 6 PM evening			EXPERIENTIAL LEARNING <i>Trip to CSK Himachal Pradesh Krishi Vishvavidyalaya (HPKV) Palampur</i>				
Fri	24.6.2022	IHBT (Exposure & Training on field)							
Sat	25.6.2022	CSK-HPKV (Exposure & Training on field)							
Sun	26.6.2022	CSK-HPKV (Exposure & Training on field)							
Mon	27.6.2022	Excursion/ Nature's Walk (Palampur): Visit to Tea Garden							
Tues	28.6.2022	Arrival back in Delhi							
Wed	29.6.2022	10:30 AM-1:00 PM	<i>Herbarium techniques</i>	Prof. Pratima Rani Sardar, Dr. Devender Singh	LUNCH	2:00 PM onwards	<i>Herbarium preparation</i>	Dr. Devender Singh Meena Department of Botany	

				Meena Department of Botany Shivaji College, University of Delhi				Shivaji College, University of Delhi
Thurs	30.6.2022	10:30 AM- 11:45 AM	<i>Biotechnological approaches for conservation of phytodiversity</i>	Dr. Neelam Sharma NBPGR, Ex- Principal Scientist, Institute-Tissue Culture and Cryopreservation Unit, NBPGR. ICAR, Pusa, New Delhi		2:00 PM onwards	Video Screening	
Thurs	30.6.2022	11:45 AM- 1:00 PM	<i>Regulatory and policy issues related to access and use of biological resources for research</i>	Dr. Pratibha Brahmi NBPGR ICAR, Pusa, New Delhi	LUNCH BREAK (1:00-2:00 PM)			
Fri	1.7.2022	10:30 AM- 11:45 AM	<i>Role of sequencing for natural resource management</i>	Dr. Nupur Mondal Department of Botany Shivaji College, University of Delhi		2:00 PM onwards	<i>Bioinformatics: Sequence retrieval, Multiple sequence alignment and sequence homology</i>	Dr. Nupur Mondal, Dr. Divya Mohanty Department of Botany Shivaji College, University of Delhi
		11:45 AM- 1:00 PM	<i>Role of bioinformatics for natural resource management</i>	Dr. Divya Mohanty Department of Botany Shivaji College, University of Delhi				
Sat	2.7.2022	OFF						
Sun	3.7.2022	OFF						
Mon	4.7.2022	10:30 AM- 1:00 PM	<i>Conservation Social Science: Integrating human dimensions in natural resources management</i>	Dr. Reshma Gills ARS, MSc Agri. Extension, MA Economics, Ph.D. Division of Socio Economic Evaluation & Technology Transfer ICAR-Central Marine Fisheries Research Institute Kochi, Kerala	LUNCH	2:00 PM onwards	Video Screening	
Tues	5.7.2022	10:30 AM- 1:00 PM	<i>Sustaining Groundwater Resources in India: Technological and Policy Options</i>	Dr. Shivendra Kumar Srivastava National Institute of Agricultural Economics		2:00 PM onwards	Video Screening	

				and Policy Research (ICAR), Pusa, New Delhi				
Wed	6.7.2022	10:30-4:00 PM	EXPERIENTIAL LEARNING: Visit to NBPGR (Exposure & Training on field)					
Thurs	7.7.2022	10:30-4:00 PM	EXPERIENTIAL LEARNING: Visit to NBPGR (Exposure & Training on field)					
Fri	8.7.2022	10:30 am-1:00 pm	<i>Seed Technology: A step towards Entrepreneurship</i>	Dr. Anuja Gupta Principal Scientist (Rtd.) ICAR-IARI Regional Station, Karnal	LUNCH	2:00 PM onwards	EXPERIENTIAL LEARNING: On Field lecture, Exposure & Training	
				Dr. Ashwani Kumar Principal Scientist (Seed Technology) ICAR- IARI Regional Station, Karnal				
Sat	9.7.2022	OFF						
Sun	10.7.2022	OFF						
Mon	11.7.2022	10:30 AM-11:45 AM	<i>Somatic embryogenesis and artificial seeds</i>	Dr. Anuradha Mal, Dr. Prabhavathi Department of Botany Shivaji College, University of Delhi	LUNCH BREAK (1:00- 2:00 PM)	2:00 PM onwards	<i>Media Preparation and Sterilization</i>	Dr. Anuradha Mal, Dr. Prabhavathi, Dr. Misha Yadav, Dr. Deepshikha Chatterjee Department of Botany Shivaji College, University of Delhi
		11:45 AM-1:00 PM	<i>Haploid Production via Tissue Culture</i>	Dr. Misha Yadav, Dr. Deepshikha Chatterjee Department of Botany Shivaji College, University of Delhi				
Tues	12.7.2022	10:30 AM-11:45 AM	<i>Technologies for biodiversity conservation</i>	Dr. Kiran Bamel, Dr. Seema Talwar Department of Botany Shivaji College, University of Delhi	LUNCH BREAK (1:00- 2:00 PM)	2:00 PM onwards	<i>Initiation of cultures</i>	Dr. Smita Tripathi, Dr. Kiran Bamel, Dr. Seema Talwar, Dr. Anurag Maurya Department of Botany Shivaji College, University of Delhi
		11:45 AM-1:00 PM	<i>Green belt and it's aesthetics</i>	Dr. Smita Tripathi, Dr. Anurag Maurya Department of Botany Shivaji College, University of Delhi				
Wed	13.7.2022	10:30 AM-	<i>Mushroom Cultivation: A</i>	Dr. Manoj Kumar Singh		2:00 PM	<i>Mushroom</i>	Dr. Manoj Kumar Singh,

		11:45 AM	<i>sustainable Solution for utilization of lignocellulosic waste</i>	Department of Botany Acharya Narendra Dev College, University of Delhi		onwards	Cultivation	Dr. Sumit Sahni Department of Botany Acharya Narendra Dev College, University of Delhi
		11:45 AM- 1:00 PM	<i>Cultivation techniques of important mushrooms and it's socio-economic impact</i>	Dr. Sumit Sahni Department of Botany Acharya Narendra Dev College, University of Delhi				
Thurs	14.7.2022	Preparation and Compilation of Report						
Fri	15.7.2022	Report Submission, Evaluation, Feedback, Discussion						
Sat	16.7.2022	OFF						
Sun	17.7.2022	OFF						
Mon	18.7.2022	Valedictory Session and Certificate distribution						