

Theme 7: Nature-based Solutions for Sustainable Agri-food Systems

Theme Convenor
Dr. Anil K. Singh
Vice President, NAAS

Date: 11 October 2023
Time: 13.45 - 15.45 hrs.
Venue: Shani 2

Technical Session 1 (Theme 7-TS-1)		
Water Harvesting and Enhancing Water Productivity		
Session Coordinator: Dr. P.S. Brahmanand, Project Director, Water Technology Centre, ICAR - IARI		
Co-Chair I		Co-Chair II:
Dr. M. Madhu		Dr. K.G. Mandal,
Director, ICAR-IISWC, Dehradun		Director, ICAR-MGIFRI, Motihari, Bihar
Rapporteur I		Rapporteur II
Dr. Rema Madhu, ICAR-CMFRI		Dr. S. Ramkumar, ICAR-CMFRI
Speaker	Topics	Duration
Dr. Alok Sikka Former DDG (NRM)	Keynote Lecture Potential of Conjunctive Management of Water Resources in India	30 min
Prof. Vinay Nangia Research Leader, ICARDA	Invited Lecture Nature based Solutions for Climate Smart Water Management	20 min
Dr. S.P. Wani Former Director ICRISAT Development Centre Asia	Invited Lecture Innovations in Rain Water Harvesting Technologies and their Utilization	20 min
Dr. P.S. Minhas Former Director, NIASM, Baramati	Invited Lecture Managing Poor Quality Water for Sustainable Agri-foods Systems	20 min
Dr. Manoranjan Kumar Principal Scientist, CRIDA	Session Presentation Bio-drainage Systems in Food Industry: Concept and Design for Zero Discharge Production Unit	15 min
Discussion		15 min
Co-Chairs' Remarks		5 min

Date: 11 October 2023
Time: 16.30 - 18.30 hrs.
Venue: Shani 2

Technical Session 2 (Theme 7-TS-2) Soil Health and its Restoration Session Coordinator: Dr. S.P. Datta, Director, IISR, Bhopal		
Co-Chair I Dr. Sammi Reddy ICAR-NIASM	Co-Chair II Dr. R.K. Yadav HoD, ICAR-CSSRI	
Rapporteur I Dr. Sumitra TG, ICAR-CMFRI	Rapporteur II Dr. Vinothkumar R, ICAR-CMFRI	
Speaker	Topics	Duration
Dr. B.S. Dwivedi Member (NRM), ASRB	Keynote Lecture Soil Health Enhancement for Sustainable Agriculture Production	30 min
Dr. B. Mohan Kumar Former VC Arunachal University of Studies	Keynote Lecture Agro-forestry: A Nature based Solution for Mitigation and Adaptation to Climate Change	20 min
Dr. Ch. Srinivasa Rao Director, ICAR-NAARM Hyderabad	Invited Lecture Carbon Farming Opportunities and Action Plan towards Achieving SDGs in India	20 min
Prof. A.R. Podile Senior Professor University of Hyderabad	Invited Lecture Microbiome-based Approaches for Sustainable Agriculture	20 min
Mr. Shailendra Singh COO, M/s Zydex Agro Solutions	Technological Improvement in Soil Health Improvement (Industry)	15 min
Discussion		15 min
Co-Chairs' Remarks		5 min

Date: 11 October 2023
Time: 10.45 - 12.45 hrs.
Venue: Shani 2

Technical Session 3 (Theme 7-TS-3) Ensuring Nutritional Security through Natural Resource Management Session Coordinator: Dr. A. Arunachalam, Director, ICAR-CAFRI, Jhansi		
Co-Chair I Dr. O.P. Yadav Director, CAZRI	Co-Chair II Dr. V.K. Mishra ICAR-RC NEH	
Rapporteur I Dr. Krishna Radhika N. ICAR-CTCRI	Rapporteur II Dr. Johnson B. ICAR-CMFRI	
Speaker	Topics	Duration
Dr. Suresh Kumar Chaudhari DDG (NRM), ICAR	Keynote Lecture Addressing Nutritional Security through Natural Resource Management	30 min
Prof. Indira Sarangthem Dean, CoA, CAU, Imphal	Invited Lecture Prospects of Nature – based – Solutions for Climate Resilient Agriculture	20 min
Dr. G. Ravindra Chary Project Coordinator AICRP for Dryland Agriculture ICAR-CRIDA, Hyderabad	Invited Lecture Food and Nutrition Security in Rainfed Eco-systems	20 min
Dr. Anil K. Singh NAAS	Invited Lecture Criticality of Soil and Water in ‘One Health’	20 min
Mr. Gulshan Rana M/s Bayer	Advancing Sustainable Climate Smart Resilient Agriculture Eco-system in India (Industry)	15 min
Discussion		15 min
Co-Chairs’ Remarks		5 min