

Theme	S. No.	Author	Affiliation	Title
Technical Session 1: Impact of Climate Change in Drylands (February 12, 2019: 10.45 -13.00 hrs)				
1	1	M.G. Nasyrov	Samarkand University, Ujbekistan	Assessment of the impact of meteorological conditions on carbon dioxide balance in the semi-desert rangelands of Uzbekistan
	2	C A Rama Rao	CRIDA, Hyderabad	Impact of Climate Change on Crop Productivity in Dryland Districts of India: An Econometric Approach
	3	Srinivasa Rao M	CRIDA, Hyderabad	Response of <i>Aphis craccivora</i> (Koch.) to e CO ₂ & Temperature
	4	Vijay Vardhan	ITC Limited, Kolkata	ITC's Climate Smart Agriculture: Soil Health Management, Sustainability and Climate Resilience
Technical Session 2: Managing Land Degradation & Desertification (February 12, 2019: 10.45 -13.00 hrs)				
2	1	Paolo Billi	Tottori, Japan	A century of climate variations in the Horn of Africa drylands: implications on soil erosion and flood hazard
	2	Satya Singh	National Innovation Foundation-India, Gandhinagar	Innovative Green Grassroots Plantation Technique for Combating Desertification
	3	Karma Dema Dorji	MA&F, Thimpu, Bhutan	Dryland: Importance, status and management in Bhutan
	4	P.D. Sreekanth	NAARM, Hyderabad	Geo-spatial Technologies for Soil Resource Inventory and Resource Management for Sustainable Agricultural System
	5	Devi Dayal	CAZRI RRS, Bhuj	Halophytic fodder for extreme saline-sodic ecosystem of arid Gujarat
Technical Session 3: Soil Health Management, Carbon Sequestration and Conservation Agriculture (February 12, 2019: 10.45 -13.00 hrs)				
3	1	Y.S. Saharawat	ICARDA, New Delhi	Conservation and Precision Agriculture for Resilient Cereal-Legume Systems in Limited Water Agro-ecology
	2	R. Dey	DGR, Junagarh	Endophytes mediated succour to salinity stressed groundnut in Kachchh, Gujarat
	3	C.M. PARIHAR	IARI, New Delhi	Long-term trend of conservation agriculture based maize systems: yield, water productivity and environmental impacts
	4	M.L. Dotaniya	DRMR, Bharatpur	Chromium Toxicity can be Mediated by Application of Chloride and Sulphate ions?
	5	Dr. Sachidulal raychaudhuri	IWM, Bhubneshwer	Safe urban sewage irrigation in dryland peri-urban areas through microbial intervention
	6	Dhiraj Kumar	CAFRI, Jhansi	Carbon sequestration potential of agroforestry systems existing on farmer's field in Madhya Pradesh
Technical Session 4: Conservation & Use of Agrobiodiversity; Developing Adapted Cultivars (February 12, 2019: 10.45 -13.00 hrs)				
5a	5a	Ojulong, Henry	ICRISAT, Nairobi	Effect of environment on finger millet (<i>Eleusine coracana</i>) grain nutrient content.
	5a	S.K. Malik	ICAR, New Delhi	Horticulture genetic resources of Indian arid zone: Complimentary conservation and utilization
	5a	Kusi F.	SARI, Ghana	Promoting farmers access to climate resilient cowpea varieties in the dry Guinea and Sudan Savannah zone in Ghana
	5a	Rashmi Yadav	NBPGR, New Delhi	Quinoa – a potential crop opening new vistas in drylands of India

Technical Session 5: Water Harvesting & Improving Water Productivity (February 13, 2019: 10.45 -13.00 hrs)

4	1	Hu Liu	CAS, Lanzhou, China	Estimation of Soil Water Budget Components in an Irrigated Agricultural Field of a Desert Oasis, Using Soil Moisture Measurements
	2	Renuka Shrestha	NARC, Nepal	Single supplemental irrigation can double Lentil (<i>Lens culinaris subsp. culinaris Medikus</i>) yield in midhills of Nepal
	3	Aditya Kumar Singh	IIMR, Ludhiana	Moisture conservation practices for enhancement of rainfed maize productivity
	4	KK Pal	DGR, Junagarh	Application of endophytes for alleviation of drought and saving of irrigation water in groundnut
	5	Chandra Sekhar Praharaj	IIPR, Kanpur	Scaling Rainfed Pulses Productivity -Exploiting the Strength of Supplementary irrigation on Indian Context
	6	A.K. Kothari	MPUAT, DFRS, Bhilwara	Catchment-storage-command relationship for enhancing water productivity under varying climatic conditions in southern Rajasthan

Technical Session 6: Conservation & Use of Agrobiodiversity; Developing Adapted Cultivars (February 13, 2019: 10.45 -13.00 hrs)

5b	5b	Dipak K. Santra	Uni. Of Nebraska	Developing Proso millet (<i>Panicum miliaceum</i> L.) Cultivars for Sustainable Crops Production in Semi-arid High Plains of the USA
	5b	Anupama J Hingane	ICRISAT, Hyderabad	Short duration pigeonpea a game changer for drylands
	5b	Sudhir P Ahlawat	NBPGR, New Delhi	Genetic resources status and potential of arid zone fruit tree species in India
	5b	Percy Chimwamurombe	NUST, Namibia	Domestication efforts of <i>Tylosema esculentum</i> (Marama bean), an orphan legume, as a dryland crop alternative in Namibia
	5b	M. Govindaraj	ICRISAT, Hyderabad	Performance of biofortified pearl millet hybrids for grain yield in northern India

Technical Session 7: Sustainable Intensification & Diversification (Arid Horticulture, Aquaculture, Protected Agriculture) (February 13, 2019: 10.45 -13.00 hrs)

6	1	V. Maruthi	CRIDA, Hyderabad	Critical root traits for soil moisture stress during crop growth of maize
	2	D.V. Srinivasa Reddy	ATARI, Bangluru	Sustainable intensification through Agri-horti-silvi-pasture in dryland areas
	3	A.K. Shukla	CAZRI RRS, Pali	Ber based Horti-Agri Production Model in Transitional Plan of Luni Basin, Rajasthan
	4	U.A. El-Behairy	ALARI, Cairo	Use of Hydroponic Systems to Optimize Water Use Efficiency in Drylands

Technical Session 8: Livestock, Rangeland and Agroforestry Management (February 13, 2019: 10.45 -13.00 hrs)

7	1	Arun Misra	NDRI, Karnal	Climate resilient dairy production systems in India
	2	Khem Chand	IGFRI, Jhansi	Grassland policies and efficient livestock production in India
	3	Wenzhi Zhao	CAS, Lanzhou, China	Water Consumption and System Stability of the Desert Oasis in the Middle Heihe River Basin of Northwestern China
	4	Sunil Kumar	IGFRI, Jhansi	Enhancing fodder and nutritional security of livestock in semi-arid regions of India through <i>Opuntia</i>

Technical Session 9: Conservation & Use of Agrobiodiversity; Developing Adapted Cultivars (February 14, 2019: 10.45 -13.00 hrs)

5c	5c	Valasubramanian Ramaiah	Corteva Agriscience, Hyderabad	Gene Editing – an opportunity for crop improvement
	5c	Sameh E. Hassanein	MUST, Egypt	De novo transcriptome assembly and Functional Annotation of <i>Calotropis procera</i> reveals understanding about Extreme Climate adaptation
	5c	M. Maheswari	CRIDA, Hyderabad	Metabolic and molecular approaches for enhancing drought tolerance : challenges and concerns
	5c	Nazima Habibi	KISR, Kuwait	DNA Marker Technology for Conservation of Plant Genetic Resources in Kuwait
	5c	Malay C. Saha	Noble Research Institute, Ardmore, USA	Deciphering drought tolerance in perennial grasses to improve persistence in harsh summer
	5c	Suresh Bhamidimarri	Noble Research Institute, Ardmore, USA	Breeding for Drought Induced Dormancy as a Mechanism for Drought Tolerance in Alfalfa

Technical Session 10: Post Harvest Management, Value Chain, Renewable Energy, Farm Mechanization and Automation (February 14, 2019: 10.45 -13.00 hrs)

8	1	S.J. Kale	ICAR-CIPHET, Abohar	Phase Change Materials Based Mobile Cool Chamber for Transportation of Perishables
	2	Ravindra Singh Shekhawat	IASRI, New Delhi	Tractorization in semi-arid tropic India: A panel data analysis

Technical Session 11: Policies, Institutions & Markets to Improved Livelihood Security (February 14, 2019: 10.45 -13.00 hrs)

9	1	V.V. Sumanthkumar	NAARM, Hyderabad	Leveraging the Power of ICTs to scale up Information and Education Services in Drylands of South Central India
	2	Shalander Kumar	ICRISAT, Hyderabad	Integrated systems approach for enhancing resilience of arid farming systems in South Asia
	3	Usha Ahuja	NIAP, New Delhi	Climate Change, Impact and Adaptation: Gender Perspective in Indian Context
	4	A. Amarender Reddy	CRIDA, Hyderabad	Impact of welfare schemes on farmers incomes in a dryland village