

International Conference
on
Biotechnological Initiatives for Climate Resilient
Agriculture-2022
(BICRA-2022)
(In hybrid mode)
(January: 07-09, 2022)

Lead Lectures

Enhancement of Horticultural Production through Biotechnology

Dr. M. Feza Ahmad

Department of Horticulture (Fruit & Fruit Technology), Bihar Agricultural University, Sabour
813 210, Bhagalpur, Bihar , India

Prospects of biopesticides in managing plant and soil health

Dr. H.B. Singh

Department of Biotechnology, GLA University, Mathura

Environmental Factors influence Human Health- Challenge to the Scientist for the People

Dr. Ajit K Saxena

Department of Pathology/ Lab Medicine, All India Institute of Medical Sciences Patna, Bihar
India

Innovation and Advocacy for Climate Resilient Small-Scale Producers

Dr. Sanjeet Kumar

Agriculturist: Small-Scale Producers, Formerly Plant Breeder, ICAR-Indian Institute of
Vegetable Research, Varanasi, India & World Vegetable Center, Tainan, Taiwan

Soil salinity increases virulence in the soil borne pathogen *Fusarium oxysporum* f.sp. *ciceris*

Dr. B. K. Sarma

Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu
University, Varanasi, UP

Magnifying the role of high energy inositol pyrophosphate in plants

Dr. Ajay K Pandey

National Agri-Food Biotechnology Institute, Mohali, Punjab 140306, India

***In vitro* rooting, biological and physical hardening of micropropagated tea – steps towards commercialization of tissue culture raised tea plants**

Dr. Niladri Bag

Department of Horticulture, Sikkim University, Gangtok – 737102, India

Pulses at crossroads: Time to embrace Innovations

Dr. Alok Das

Division of Plant Biotechnology, ICAR-Indian Institute of Pulses Research, Kanpur

Biotechnological Initiative for Climate Resilient Agriculture: the context of Ethiopian legumes research and development

Dr. Asnake Fikre

Ethiopian institute of Agricultural Research, Addis Ababa, Ethiopia

Genome Editing: New Breeding Tool for Crop Improvement

Dr. Satendra Kumar Mangrauthia

ICAR-Indian Institute of Rice Research, Hyderabad-30

Engineering photosynthesis for climate-change ready crops: a gene finding story of an anatomical component of C4 plants

Dr. Vivek Thakur

University of Hyderabad

Plant trait improvement by breeding and biotechnological interventions

Dr. Sunayana Rathi

Department of Biochemistry & Agricultural Chemistry, Assam Agricultural University, Jorhat, Assam, India

Phytosulfokine Receptor Kinase: The missing link in ABA dependent abiotic stress response in plants

Dr. Ananda Mustafiz

Faculty of Life Sciences and Biotechnology, Plant Molecular Biology Laboratory, South Asian University, New Delhi, India

Enhancing stress-resilience in wheat compatible to the agro-ecology of Bihar

Rajeev Kumar

Department of Agricultural Biotechnology and Molecular Biology, Dr. Rajendra Prasad Central Agricultural University, Pusa 848125, Bihar, India

Morphology and genic-SSRs-based diversity analysis and georeferencing of economic traits in natural populations of Jack (*Artocarpus heterophyllus* Lam.) from Eastern India

Dr. Shashi Bhushan Choudhary

ICAR-National Bureau of Plant Genetic Resources, Regional Station Ranchi, Jharkhand, India

Climate Resilient Small Millets : A Way to Ensure Sustainable Food and Nutritional Security

Dr. Satish Kumar Singh

Dr. Rajendra Prasad Central Agricultural University, Pusa

Rapid identification of candidate genes and development of markers associated with early flowering and enhanced seed size in chickpea (*Cicer arietinum* L.) using MutMap approach

Dr. Mahendar Thudi

Department of Agricultural Biotechnology and Molecular Biology, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar 848125, India

Brassinosteroid mediated diseases resistance

Dr. Sangita Sahni

Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur-848125, Bihar, India;

³School of Science, Western Sydney University, NSW, Australia

Biotechnology for Arsenic mitigation

Dr. Bishun Deo Prasad

Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur-848125, Bihar, India