

# MADHYA PRADESH VIGYAN SAMMELAN 2021

MPVS 2021

Session Name: AGRICULTURAL, AGRITECH, BIODIVERSITY, CONSERVATION AND  
TRADITIONAL KNOWLEDGE

VENUE: IIT INDORE

Link for Day:1

<https://iiti.webex.com/iiti/j.php?MTID=m1acabf73c57f134748dc0637c57e3f19>

Link for Day:2

<https://iiti.webex.com/iiti/j.php?MTID=m52e3a57316a74017b07307685b11bad>

4

## DETAILED PROGRAM

DAY 1 (23th December 2021)	
9.45-10 AM	Inauguration and Welcome
10.00-10.45 AM	Inaugural Talk: Padmashri Mahesh Sharma Ji
10.45 AM -11.15 PM	Plenary talk: Dr. Prakash Shastry, CoA Khandwa Agri College
11.15-11.30 PM	Break
11.30- 12.00 PM	Keynote talk: Dr. Peeyush Soni, IIT Kharagpur
12.00-1.00 PM	Panel Discussion: MP Agricultural: Science and Technology Policy
1.00-2.00 PM	Lunch

2.00-3.30 PM	Technical Session (Oral Presentations) Chaired by: Dr. Abhijeet Joshi, IIT Indore
2.30-2.45PM	Contributed Talk: Dr. Ajay Kumar Roul, ICAR-CIAE, Bhopal Title:
2.45-3.00 PM	Contributed Talk: Dr. Radheshyam Sharma Title: Genetic Diversity of Farmers' Varieties of Rice of Central India using microsatellite and Blast Linked Markers
3.00-3.15 PM	Contributed Talks: Abhijit khadatkar, ICAR-CIAE, Bhopal Title 1: Robotic transplanter: The future of transplanting plug-type seedlings Title 2: Tractor operated side trencher-cum-FYM applicator for orchards
3.15-3.30 PM	Contributed Talks: Borkar Narayan, ICAR-National Rice Research Institute, Cuttack, Odisha Title: Design and development of battery-assisted paddy weeder to reduce drudgery
3.30-3.45 PM	Break
3.45-5.00 PM	Technical Session (Oral Presentations) Chaired by: Dr. Bibekanand Maji, IIT Indore
3.45-4 PM	Contributed Talk: Bikarm Jyoti, ICAR-CIAE, Bhopal Title 1: Low Cost spraying equipment for locust swarm Title 2: Induction based Air Assisted Electrostatic Nozzle
4-4.15 PM	Contributed Talk: Sandeep Kumar Verma, SAGE University, Indore, Title: Exposure of different nanoparticles on wheat seed germination and subsequent physiological and molecular responses
4.15-4.30 PM	Contributed Talks: Ajay kumar Roul, ICAR-CIAE, Bhopal Title: Development and Performance Evaluation of a High Clearance Multi-Utility Vehicle for Tall Field Crops
4.30-4.45 PM	Contributed Talks: Nisha Agrawal, ICAR-Indian Institute of Soybean Research, Indore

	Title: Incorporation of Photo-insensitivity in Soybean Variety SL 958 for improving its Adaptation to Short Growing Indian conditions
4.45-5.00 PM	Contributed Talks: Suneha Goswami, ICAR-Indian Agricultural Research Institute, New Delhi  Title 1: Efficient processing technology of "hydro, hydro-thermal and thermal near infrared rays treatments to reduce rancidity in pearl millet flour"  Title 2: Technology to develop "Soft Nutri-cereal Atta" based on wheat gluten
5-5.30 PM	Dr. Kajal Chakraborty, ICAR- Central Marine Fisheries Research Institute  Title: Marine organisms as a treasure house of bioactive compounds and nutraceuticals
	End of Day 1 (23rd December, 2021)
<b>DAY 2 (24th December 2021)</b>	
10.00-10.45 AM	Keynote talk: Dr. Milind Ratnaparkhe, Principal Scientist, ICAR-INDIAN INSTITUTE OF SOYBEAN RESEARCH, Indore
10.45- 12.00 PM	Technical Session (Oral Presentations)  Chaired by: Santosh Patel, Vaishnav
10.45- 11.00 AM	Contributed Talk: Ravindra D. Randhe, ICAR-CIAE, Bhopal  Title 1: Conditional controller for automatic drip fertigation system for soilless grow bag cultivation  Title 2: Tractor operated drainage trencher for laying sub-surface pipes
11.00-11.15 PM	Contributed Talk: Ranjeet Ranjan Kumar, ICAR-Indian Agricultural Research Institute, New Delhi  Title 1: Hydrolytic reaction during sprouting enhanced sweet perception, nutritional quality as well as shelf life of the pearl millet flour  Title 2: "Nutri-High Protein Atta" developed based on "vital wheat gluten regeneration" technology and by a method of fortification of defatted peanut powder with superior dough quality

11.15-11.30 AM	Contributed Talk: Mukesh Kumar, ICAR-CIAE, Bhopal Title: IRRIGATION WATER MANAGEMENT OF RICE UNDER ALTERNATE WETTING AND DRYING SYSTEM
11.30 AM-11.45 AM	Contributed Talk: Vinutha T., ICAR-Indian Agricultural Research Institute, New Delhi Title: Efficient extraction protocol for vital wheat gluten from wheat and its regeneration in pearl millet, maize and chickpea for higher iron, zinc and protein with superior dough quality
11.45.-12.00 PM	Contributed Talk: Rahul Rajaram Potdar, ICAR-CIAE, Bhopal Title: Development of Pre-emergence Herbicide Strip Application System cum Planter for Weed Control in Wide Spaced Crops
12.00-12.30 PM	Keynote Talk: Dr. Sunil Upadhyay (Medicaps) Title: TBD
12.30-1.00 PM	Keynote talk: Mr. Sharad Bhandawat Ji, Progressive Farmer Title: Krishi Navaachar and Vartamaan Soch
1.00-2.00 PM	Lunch
2.00-2.30 PM	Keynote Talk: Mr. Jitendra Bhakane, Founder, Swanand Go Vigyan Anushandhan Kendra Title: Govansh banayega Atmanirbhar Kisan
2.30-5.30 PM	Technical Session (Short Talks) 7-8 min talks Chaired by: Dr. Bibekanand Maji, IIT Indore
2.30-2.40 PM	<b>Contributed Talk:</b> Ajay Kumar Roul, ICAR-CIAE, Bhopal Title: High Clearance Multi-Utility Vehicle for Tall Field Crops
2.40-2.50 PM	<b>Contributed Talk:</b> Akansha Khare, CSRD, People's university, Bhopal Title:
2.50-3.00 PM	<b>Contributed Talk:</b> Asha Sahu, ICAR- Indian Institute of Soil Science, Bhopal Title: Family Net Vessel Compost Technology: Rapid and Efficient for Conversion of Organic City Waste into Compost

3.00-3.10 PM	<p><b>Contributed Talk:</b> Navita Bansal, ICAR-Indian Agricultural Research Institute, Pusa, New Delhi</p> <p>Title: "Low Glycemic Index (GI) Atta"- by a method of fortification of edible plant based soluble dietary fibers in wheat flour</p>
3.10-3.20 PM	<p><b>Contributed Talk:</b> Mohanty SR, ICAR Indian Institute of Soil Science, Bhopal</p> <p>Title: Abiotic stress management in agriculture using methylo troph bacterial metabolites</p>
3.20-3.30 PM	<p><b>Short Talks:</b> Sourabh Singh Gour, AKS University ,Satna (M.P)</p> <p>Title: "Potential bioactivity of Cordyceps militaris against viability of lung cancer cell line A549"</p>
3.30-3.40 PM	<p><b>Short Talks:</b> Pushpalata saxena, Govt.higher secondary school of excellence Neemuch</p> <p>Title: Jaivik Drav Urvarak</p>
3.40-3.50 PM	<p><b>Short Talks:</b> Shekhar Jain, Faculty of Life Sciences, Mandsaur University</p> <p>Title: Alleviation of Fusarium wilt and necrosis of lower stem of soybean through induced bacterium biocontrol agent</p>
3.50-4.00 PM	<p><b>Short Talks:</b> Vivek kumar Agnihotri, AKS University , Satna (M.P)</p> <p>Title: Mycoherbicide Development for Eradicating the Water Hyacinth</p>
4.00-4.10 PM	<b>Break</b>
4.10-4.20 PM	<p><b>Short Talks:</b> Ranjan Chaturvedi, CSIR-AMPRI, Bhopal</p> <p>Title Utilization of calcite-rich marble waste as a sustainable filler for PVC based composite material</p>
4.20-4.30 PM	<p><b>Short Talks:</b> Prashant Kumar Shrivastava, Dr. A. P. J. Abdul Kalam University, Indore (M.P.)</p> <p>Title: Fabrication and testing of particle board from agriculture waste</p>
4.30-4.40 PM	<p><b>Short Talks:</b> Jhili Sarkar, Barkatullah University, Bhopal</p> <p>Title: The Bacteriology and Its Virulence Factors in Food borne Enterobacteriaceae isolated from Fresh Vegetables</p>
4.40-4.50 PM	<p><b>Short Talks:</b> Deepika Tiwari, Govt. Madhav Science PG College, Ujjain</p>

	Title: Floral Waste Management with the Help of Vermicomposting – A Tool to Alleviate Solid Waste and Its Effect on Plant Growth
4.50-5.00PM	<b>Short Talks:</b> Shilpi Singh, AKS University , Satna (M.P) Title: Role of endophytic bacteria in plant growth promotion of <i>Musa accuminata</i>
5.00-5.10 PM	<b>Short Talks:</b> Rehma Rizwan, Barkatullah University, Bhopal Title: Diversity of fungi communities in the Rhizosphere of commercially important medicinal plants
5.10-5.20 PM	<b>Short Talks:</b> Smruti Sohani. SAGE University, Indore Title:
5.20-5.30 PM	<b>Short Talks:</b> Nandini Phanse, PMB Gujrati college indore Title: Assessment of Microbial Biodiversity of Soil Samples : An Approach to Study Soil Quality
5.30-5.40 PM	<b>Short Talks:</b> Piyush Kant Rai, AKS University, Satna (M.P) Title: Fluxomics and Interactome analysis over <i>acdS</i> gene: Significant marker of Plant-Microbe interaction in Stress Studies
5.40-5.50 PM	<b>Short Talks:</b> Praveen Bhardwaj, Uttar Pradesh Title: Changing the fate of Indian Rivers by applying the methodologies of “ Indian tradition Nature based solution ”
5.50-6.00 PM	<b>Short Talks:</b> Vinita Yadav, DAVV Indore Title: Screening, Isolation and Identification of potential Cellobiose dehydrogenase (CDH) producing fungi
6.00 PM	Vote of Thanks: Dr. Abhijeet Joshi, IIT Indore