

## **ICPULSES2023: ORAL AND RAPID FIRE PRESENTATION SCHEDULE & GUIDELINES**

### Presentation Guidelines

- Each oral presentation will be allotted a time slot of 8 minutes plus 2 minutes for discussion (total 10 minutes)
- Each rapid fire presentation will be allotted a time slot of 5 minutes plus 2 minutes for discussion (total 7 minutes)
- Presenters are requested to prepare a crisp presentation and strictly adhere to the timings.

### CONCURRENT TECHNICAL SESSIONS: FORENOON

<b>Day 2: 11.02.2023 (Saturday)</b>			
900 – 1300 hrs	Session 2: Mendelian Breeding for Crop Resilience	Session 3 Enhancing the Crop Produce	Session 4: Nutri-Smart Pulses and Data-driven Decision Making
Oral presentation	<b>P Jayamani and D Susmitha</b> , Tamil Nadu Agricultural University, Coimbatore <i>Development of pre-breeding lines through interspecific hybridization between green gram and ricebean</i>	<b>SL Patil, MSVenkatesh and CR Patil</b> . ICAR-Indian Institute of Pulses Research, Kanpur <i>Sustaining Crop Productivity in Maize-Chickpea Cropping System through Integrated Nutrient Management in Vertisols of Southern Peninsular India</i>	<b>Sachidananda Swain, Jyoti Nayak &amp; Pragati Kishore Rout</b> . ICAR-Central Institute for Women In Agriculture (CIWA), Bhubaneswar, Odisha <i>Processing Interventions for the Reduction of Anti-Nutrients Factors in Pulses</i>
Oral presentation	<b>Golu Misra and Archana Joshi Saha</b> , Bhabha Atomic Research Centre, Trombay, Mumbai <i>Insights into regulation of organ size using genetic, physiological and molecular characterization of a chickpea (<i>Cicer arietinum</i> L.) mutant</i>	<b>Sanjeev Kumar Singh, P Rajesh and D Rajarajan</b> . Tractors and Farm Equipment Limited, Kanchipuram, Tamil Nadu <i>Evaluation of foliar application of liquid fertilizers with Unmanned Aerial Vehicle (UAV) mounted sprayer in blackgram (<i>Vigna mungo</i> L)</i>	<b>Muraleedhar S Aski, Gyan Prakash Mishra, ...and HK Dikshit</b> . ICAR-Indian Agricultural Research Institute, New Delhi <i>Strategies for Identifying Stable Lentil Cultivars (<i>Lens culinaris</i> Medik) for Combating Hidden Hunger, Malnourishment, and Climate Variability</i>
Oral presentation	<b>Rajendra Darai, Krishna Hari Dhakal, Madhav Prasad Pandey, et al.</b> , Nepal Agricultural Research Council, Nepalgunj, Banke Lumbini Province, Nepal <i>Effect of Genotype by Environmental Interactions on Grain Iron (Fe) and Zinc (Zn) Concentration of Biofortified Lentils in Nepal</i>	<b>CP Nath, Narendra Kumar, K.K. Hazra, et al.</b> . ICAR-Indian Institute of Pulses Research, Kanpur <i>Conservation agriculture and efficient weed management in rice-chickpea cropping system for intensification of rice fallows</i>	<b>Devraj, PK Katiyar and Amrit Lamichaney</b> . ICAR-Indian Institute of Pulses Research, Kanpur <i>Development of Digital Platform for Retrieval of Quality Seed Production data for Pulses</i>
Oral presentation	<b>Fouad Maalouf, Rind Balech, Lynn Abou Khater and Shiv kumar</b> . International Center for Agricultural Research in the Dry Areas (ICARDA), Terbol, Lebanon <i>Novel tools for improving faba bean productivity in diverse agroclimatic conditions</i>	<b>Raj Singh, Teekam Singh, Anchal Dass et al.</b> . ICAR-Indian Agricultural research Institute, New Delhi <i>Sustainable intensification through pulses for improving productivity, profitability and resource use efficiency under conservation agriculture in rainfed semi-arid environments</i>	<b>Nishanth BM, Soregaon C D and Vishwasgowda C</b> . University of Agricultural Sciences, Dharwad <i>Genotype × environment interactions effect on grain iron (Fe) and zinc (Zn) concentration in pigeonpea [<i>Cajanus cajan</i> (L.) Millsp.] using AMMI model</i>

<b>Rapid fire presentation</b>	<b>Aung Lwin Oo, TS Bains, Parul Sharma, et al.</b> Punjab Agricultural University, Ludhiana <i>Development of YMD resistant and dual season photo insensitive mungbean genotypes through interspecific hybridization</i>	<b>Vishal Tyagi, Kuldip Jayaswall, Sanjay Kumar, et al.</b> ICAR-Indian Agricultural research Institute, New Delhi <i>Nano-fertilizer based nutrient management in chickpea</i>	<b>Basavaraja, T, Anupam Tripathi, Asik Dutta, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Assessment of biofortified dry bean lines for agronomic performance and seed micronutrient attributes in India</i>
<b>Rapid fire presentation</b>	<b>Kuldeep Tripathi, DP Wankhede, Niranjana Murthy, et al.</b> ICAR-National Bureau of Plant Genetic Resources, New Delhi <i>The Indian national genebank cowpea core set: a valuable resource for research, breeding and improvement</i>	<b>Deepak Kumar Chandrakar, Mangla Parikh, Kusum Chandrakar et al.</b> Indra Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh <i>Yield maximization of fieldpea through surface seeding, seed rate and seed priming under rice-based utera cropping system</i>	<b>Man Mohan Deo, Prasoon Verma, Narendra Kumar et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Effect of microwave heating as pre-treatment for milling of pigeonpea</i>
<b>Rapid fire presentation</b>	<b>Amrit Lamichaney, Satheesh Naik, Dibendu Datta, et al.</b> ICAR, Indian Institute of Pulses Research, Kanpur <i>Breaking seed coat imposed dormancy in wild relatives of pigeonpea (<i>Cajanus cajan</i> L)</i>	<b>Asik Dutta, Kali Krishna Hazra, Chaitanya P Nath, et al.</b> ICAR, Indian Institute of Pulses Research, Kanpur <i>Soil phosphorus dynamics and crop productivity under pulse based cropping system for sustainable P management in an Inceptisol</i>	<b>Biswajit Mondal, Yogesh Kumar, Nandan Singh, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Digitalization of breeding pipeline of desi chickpea trials of ICAR-Indian Institute of Pulses Research, Kanpur in the Breeding Management System (BMS) platform</i>
<b>Rapid fire presentation</b>	-	<b>Jeetendra Kumar Soni, Lungmuana, Sunil Kumar Sunani, et al.,</b> ICAR-RC NEH Region, Mizoram Centre, India <i>Weed smothering effect of legumes under maize based intercropping under Hilly terrain of Mizoram</i>	<b>Monika Yadav, Sreerama Y N and Meera M S,</b> CSIR-Central Food Technological Research Institute <i>Utilization of pulse-milling by-products: Effect of protein on the bio-accessibility of calcium</i>

### CONCURRENT TECHNICAL SESSIONS: AFTERNOON

1400hrs – 1800 hrs	Session 5: Modern Tools for Crop Improvement	Session 6: Revisiting the Roots	Session 7: Innovative Extension Approaches
<b>Oral presentation</b>	<b>Sandhya suranjika, Seema pradhan, Dr Ajay parida, et al.</b> Institute of Life Sciences, Bhubaneswar, Odisha <i>Transcriptomics of <i>Vigna aconitifolia</i> for developing a gene expression atlas</i>	<b>Raghavendra Singh, CP Nath, Narendra Kumar, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Effect of organic practices on productivity and profitability of pulse-based system in comparison to the inorganic management</i>	<b>Rajesh Kumar, Bagish Kumar, M Thoithoi Devi, et al.,</b> ICAR-Agricultural Technology Application Research Institute, Zone-VI, Guwahati <i>Impact on Yield and Economics of Field Pea (<i>Pisum sativum</i> L.) Through Cluster Frontline Demonstrations in North East India, India</i>
<b>Oral presentation</b>	<b>Md. Mosiur Rahman, Md. Omar Ali, Rong Liu, et al.,</b> Bangladesh Agricultural Research Institute, Joydebpur, Gazipur <i>SSR-based</i>	<b>M Vinutha, E. Somasundaram, S. Sanbagavalli, et al.,</b> Tamil Nadu Agricultural University, Coimbatore	<b>Laxmipriya Sahoo, Monalisha Sahoo, Ankita Sahu et al.,</b> ICAR-Central Institute for Women in Agriculture, Bhubaneswar

	genome-wide association studies for yield related agronomic and biochemical traits of grass pea germplasm collected from China and Bangladesh	<i>Organic blackgram productivity as influenced by the application of organic and liquid manures</i>	<i>Development and validation of "Farmwomen Led Integrated Local Seed Network" model for improving availability of quality pulse seeds</i>
<b>Oral presentation</b>	<b>Shanmugavadivel PS, Jyotirmay Dubey, Kapale Vijay Pandurang, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur CRISPR/cas9 based genome editing to improve yield and symbiotic nitrogen fixation in Chickpea	<b>Robin Thakur, D.K. Parmar, Rushali Katoch, et al.</b> CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur. <i>Soil fertility and horse gram (Macrotyloma uniflorum) productivity as affected by different methods of jeevamrit application under mid hills of Himachal Pradesh</i>	<b>Ramesh Rajangam, Sassikumar, D and A.Yuvaraja</b> Tamil Nadu Agricultural University, National Pulses Research Centre, Vamban <i>Farmers Participatory Large Scale Seed Production in Blackgram for Higher Income and Seeds Exchange among Farmers through FPO under World Bank funded TNIAM Project</i>
<b>Oral presentation</b>			<b>Uma Sah, Vikrant Singh, Jitendra Ojha, Mohit Katiyar and Prasoon Verma.</b> ICAR-Indian Institute of Pulses Research, Kanpur, UP, India <i>Value transformation along lentil value chain in Uttar Pradesh state of India</i>
<b>Rapid fire presentation</b>	<b>Rishikesh Kumar, Manjunatha L, Khela Ram Soren, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Rapid detection of Fusarium oxysporum f. sp. ciceris in chickpea using xylanase transcriptional activator (xlnR) gene based LAMP technique</i>	<b>Sachin Saharan, Janardan Singh and Rahul Sharma.</b> CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur <i>Effect of Organic sources of Nutrients in Blackgram (Vigna Mungo L.) under mid-hill conditions of Himachal Pradesh</i>	<b>Malathi B, Bhaskaran A, Prasad JV, et al.</b> ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-X, Hyderabad <i>Effect of organic practices on productivity and profitability of pulse-based system in comparison to the inorganic management</i>
<b>Rapid fire presentation</b>	<b>Neeraj Kumar, C Bharadwaj, Soren KR, et al.</b> ICAR-Indian Agricultural Research Institute, New Delhi <i>Chickpea long non-coding RNAs (lncRNAs): genome-wide discovery and functional prediction under salt-stress</i>	<b>Disha Joshi, Bhavna Singh Rathore, Suman Dhayal.</b> Rajasthan College of Agriculture, MPUAT, Udaipur <i>Growth and yield of urdbean [Vigna mungo (L.) Hepper] influenced by vermicompost and vermiwash</i>	<b>Rajesh Bishnoi, B Lal and T N Tiwari.</b> ICAR-Indian Institute of Pulses Research, Regional Research Centre, Bikaner, Rajasthan <i>Constraint analysis and upscaling strategies to increase arid pulse production in western Rajasthan</i>
<b>Rapid fire presentation</b>	<b>Soren, K R., Tripathi, Sandhya, Chellapilla, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Comprehensive BURP superfamily study in Chickpea revealed RD22 genes involved in salinity stress tolerance</i>		<b>Revanappa SB, Manu B, Aditya Pratap, et al.</b> ICAR, Indian Institute of Pulses Research, Kanpur. ICAR- Indian Institute of Pulses Research, Kanpur <i>Impact of improved mungbean variety on farmers' income and nutritional security</i>

<b>Rapid fire presentation</b>	<b>Hardeep Singh, Vishal Sharma, Karambir, et al.</b> National Agri-Food Biotechnology Institute, Mohali <i>Development of robust and effective Agrobacterium-mediated genetic transformation system for CRISPR/Cas9-based genome editing in pea (Pisum sativum L.)</i>	-	-
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**CONCURRENT TECHNICAL SESSIONS: FORENOON**

<b>Day 3: 12.02.2023 (Sunday)</b>			
<b>900 – 1300 hrs</b>	<b>Session 8: New Vistas in Stress Resilience-Biotic Stresses</b>	<b>Session 9: New Vistas in Stress Resilience-Abiotic Stresses</b>	
<b>Oral presentation</b>	<b>Shanmugam, PS, SV Krishnamoorthy, P Jayamani, et al.</b> Tamil Nadu Agricultural University, Coimbatore <i>Efficacy of Seed treatment Insecticides against Stem fly and Sucking Pest Complex in Pulses</i>	<b>Aswin Reddy Chilakala, Prachi Pandey, Durgadevi Athimoolam et al.</b> National Institute of Plant Genome Research, New Delhi <i>Drought attenuates the plant responses to multiple rhizospheric pathogens – a study based on dry root rot-associated disease complex in chickpea fields</i>	
<b>Oral presentation</b>	<b>Ravinder Singh and GK Taggar.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Larval Parasitization of Helicoverpa armigera (Hubner) by Campoletis chloridae Uchida in chickpea intercropped with linseed</i>	<b>Priyanka Gupta, Khawla Aloui, Rhofrane Benhsain, et al.</b> International Center for Agricultural Research in the Dry Areas, Rabat, Morocco <i>Evaluation of Grasspea Germplasm for Below-Ground Traits and its relationship with ODAP under Water-Limited Conditions</i>	
<b>Oral presentation</b>	<b>Manju Kohli, Gyan P Mishra, Hina Bansal, et al.</b> ICAR - Indian Agricultural Research Institute, New Delhi <i>Genome-wide Association Studies for Earliness and MYMIV Resistance Governing loci in Mungbean (Vigna radiata L. Wilczek) using Genotyping by Sequencing Approach</i>	<b>Narayan Singh, Vasudha Maurya, Ashutosh Sharma, et al.</b> DAV University, Jalandhar <i>Biochemical, and histochemical analysis for screening of salt stress tolerance in Horse gram (Macrotyloma uniflorum) germplasm</i>	
<b>Oral presentation</b>	<b>Revanasidda, Murali Mohan, K, Soren, KR, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Diversity and distribution of bruchid species infesting edible stored pulses in India</i>	<b>Nagendra Kumar Kaushik, Ravi Gupta, Neha Kaushik, et al.</b> Plasma Bioscience Research Center, Kwangwoon University, Seoul, South Korea <i>Plasma technologies for green environment and smart agriculture methods</i>	
<b>Rapid fire presentation</b>	<b>Jyoti Singh and Dharmendra Pratap.</b> Chaudhary Charan Singh University, Meerut <i>Antifungal efficacy of green synthesized zinc oxide nano particles against the stem rot of legumes</i>	<b>Khushwant B Choudhary, Ramavtar Sharma, et al.</b> ICAR- Central Arid Zone Research Institute, Jodhpur <i>Crafting Genetic Variability for Refined Moth Bean Plant Type Suitable for Hot Arid Climate through Mutagenesis</i>	
<b>Rapid fire presentation</b>	<b>R. Jagadeeswaran, Aravind Kumar Konda, Sujayanand GK et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>De novo assembly, structural and functional annotation of the nematode egg parasitic fungus, Purpureocillium lilacinum strain Indian Institute of Pulses Research-PI-11</i>	<b>Vaibhav Kumar, Kalpana Tewari, Rinki Devi, et al.</b> ICAR-Indian Institute of Pulses Research, Kanpur <i>Phytohormones response to heat stress in chickpea</i>	
<b>Rapid fire</b>	<b>Mahatma Lalit and Harshalkumar P Patel.</b> Navsari Agricultural	<b>Umashankar, C Bharadwaj, Neeraj Kumar, et al.</b> ICAR-Indian	

<p><b>presentation</b></p>	<p>University, Navsari  <i>Begomoviruses: Are they seed-borne or seed-transmitted viruses?</i></p>	<p>Agricultural Research Institute, New Delhi,  <i>Hydroponic aided evaluation of chickpea (Cicer arietinum L.) genotypes for high aluminium stress tolerance</i></p>
<p><b>Rapid fire presentation</b></p>	<p><b>Nishmitha K, Rakesh Singh, S C Dubey, et al.</b> ICAR- Indian Agricultural Research Institute, New Delhi  <i>Molecular cloning and in-silico characterization of novel resistance gene analogue from lentil against Fusarium wilt</i></p>	<p>-</p>