SCIENTIFIC PROGRAMME

Day 1: 21 November 2026 (Saturday)		
07:30	**Breakfast:** (DAVV Auditorium Lawn)	
07:30-09:00	**Registration:** (DAVV Auditorium)	
09:00-11:30	**Inaugural Session** (DAVV Auditorium)	
	Lighting of the lamp Welcome address: **Prajwal Khare**, Registrar, DAVV About the conference and the Society: **Viswanathan Chinnusamy**, Hon. Sec., ISPP Address by the Guest of Honour: **Rakesh Singhai**, Kulguru, DAVV Presidential address: **Sanjay Kumar**, President, ISPP & Chairman, ASRB ISPP Awards: **Madan Pal Singh**, ISPP Address by the Chief Guest: **Himanshu Pathak**, Director General, ICRISAT Vote of thanks: **Meeta Jain**, DAVV	
11:30-12:00	**Group Photo & High Tea** (DAVV Auditorium Lawn)	
12:00-13:15	**Plenary Session I** (DAVV Auditorium)	
	Chair: S.K. Sopory, *ICGEB, New Delhi* **Co-chair: Manish Das,** *ICAR-DMAPR, Anand*	
	Keynote Address	
	K. Raghothama, *Purdue University,* "Climate change and nutrient deficiency reveal interesting interactions between different stresses in tomatoes!"	
	Plenary Lecture	
	P.V. Vara Prasad, *Kansas State University, "*Crop physiology for one health: Integrating soil, plant, animal, human, and ecosystem health for community well-being"	
13:15-14:00	**Lunch** (DAVV Auditorium Lawn)	
14:15-16:45	**Session I: Physiology of Yield, Quality and Stress Tolerance**	**Session II: Nutrient Use Efficiency and Biofortification**
	DAVV Auditorium	Lecture Hall (LT-1), IIPS
	Chair: M.S. Sheshshayee, *UAS, Bangalore* **Co-chair: Monika Dalal,** *ICAR-NIPB, New Delhi* **Rapporteur: Sunita Kataria,** *DAVV, Indore*	**Chair: K. Raghothama,** *Purdue University* **Co-chair: Joy Kumar Roy,** *BRIC-NABI, Mohali* **Rapporteur: Swati Tiwary**, *DAVV, Indore*
	Lead Speaker (25 min.)	**Lead Speaker (25 min.)**
	Kunwar Harendra Singh, *ICAR-NSRI, Indore* "Integrating Soybean Physiology and Breeding for Climate Resilience and Productivity"	**N. Raghuram,** *GGSIPU, New Delhi* "Rice crop improvement for nitrogen and phosphorus use efficiency"
	Invited Speakers (20 min.)	**Invited Speakers (20 min.)**
	D. Vijayalakshmi, *TNAU, Coimbatore* "Insights into the physiological and metabolic adaptations of rice to alternate wetting and drying"	**Amar Pal Singh,** *BRIC-NIPGR, New Delhi* "Balancing growth and stress adaptation under low nitrogen and high salt conditions in plants"

	Rajeev N. Bahuguna, *BRIC-NABI, Mohali* "Coordinated root and stomatal responses contribute to acclimation under combined water deficit and heat stress in rice"	**Senthil Alagarswamy,** *TNAU, Coimbatore* "Physiological and transcriptional dissection of yield stability under reduced nitrogen in rice: contrasting nitrogen-resilient and nitrogen-susceptible genotypes"
	Monika Dalal, *ICAR-NIPB, New Delhi* "From root development to drought adaptation: functional insights into two candidate genes from wheat (*Triticum aestivum* L.)"	**Joy Kumar Roy,** *BRIC-NABI, Mohali* "Genomic dissection of grain mineral nutrient content and grain weight in wheat"
	Ashish Kumar Srivastava, *BARC, Mumbai,* "Discovering novel salt-stress-responsive gene(s) in soybean using ionomics and genome-wide association study"	**R. Elanchezhian,** *ICAR-IISS, Bhopal,* "Recent advances in physiological and molecular basis for improving nutrient use efficiency of agricultural crops under changing climate"
	Session Speakers (10 min.)	**Session Speakers (10 min.)**
	Jogi Madhuprakash, *University of Hyderabad* "A pathogen effector reveals the stepwise assembly of a plant helper NLR resistosome"	**Rajesh Kumar Tewari,** *Lucknow University* "ROS generation under iron deficiency: Causes, consequences, and solutions"
	Rinki Khobra, *ICAR-IIWBR, Karnal* "Deciphering Key Traits Underpinning Lodging Resistance in Wheat Genotypes"	**Manas K. Tripathy,** *University of Texas at Austin* "Modified pea apyrase confers enhanced phosphate absorption and increased seed production in *Arabidopsis*"
	Prashantkumar S. Hanjagi, *ICAR-NIASM, Baramati* "Integrative transcriptome meta-analysis identifies shared abiotic stress-responsive genes and candidate regulators in pigeonpea"	**Amarjeet Singh,** *BRIC-NIPGR, New Delhi* "Functional role of a JA biosynthesis pathway 13-lipoxygenase (OsLOX6) in regulating nitrogen deficiency response in rice"
	Chandrakant Singh, *ICAR-DWR, Jabalpur* "Physiological and root architectural responses of rice to competition with *Cyperus rotundus* and *Leptochloa chinensis* under drought stress"	**Sanjib Bal Samant,** *BRIC-NIPGR, New Delhi* "Overexpression of Phytoglobin1 in rice leads to enhanced nitrogen use efficiency via modulation of nitric oxide"
16:45-18:15	**Tea/Poster Session** (DAVV Auditorium Lawn)	
	Technical Workshops	
	DAVV Auditorium	Lecture Hall (LT-1), IIPS
18:15-19:00	"Genome Editing of Plants" **Organiser: Viswanathan Chinnusamy,** *ICAR-IARI* (Open to all students and faculty)	"Image-Based Plant Phenotyping for Climate-Resilient Crop Research: Open-Source Tools and Applications" **Organisers: R. Dhandapani, Sudhir Kumar, Mahesh Kumar, Elangovan A. and Chanumolu Hari Gopala Krishna, Sreehari VS,,** *ICAR-IARI*
19:00-20:30	**Cultural Programme**	
20:30	**Dinner** (DAVV Auditorium Lawn)	

Day 2: 22 November 2026 (Sunday)		
07:30-09:00	**Breakfast** (DAVV Auditorium Lawn)	
09:15-10:30	**Plenary Session II** (DAVV Auditorium)	
	Chair: M.B. Chetti, *Sanskriti University* **Co-chair: J.B. Singh,** *ICAR-IARI, Regional Station Indore* **Rapporteur: Sandhya Verma**, *DAVV, Indore*	
	Professor G.V. Joshi Memorial Lecture Award	
	Jos T. Puthur, *Calicut University, Kerala,* "Seed priming for climate-resilient agriculture: Mechanisms of abiotic stress tolerance"	
	ASPB-ISPP Plenary Lecture Award	
	Neeti Sanan-Mishra, *ICGEB, New Delhi,* "Harnessing miRNA regulatory networks for crop resilience and protection"	
10:30-11:00	**Tea/Coffee Break** (DAVV Auditorium Lawn)	
11:00-13:30	**Session III: ISPP Young Scientist Awards Session (8 minutes each)** (DAVV Auditorium)	
	Chair: Aashish Ranjan, *BRIC-NIPGR* **Co-chair: D. Vijayalakshmi,** *TNAU* **Convener: Manoj Sharma,** *JNU* **Rapporteur: Rajendra Bapna,** *DAVV, Indore*	
	Speakers	
	1. **Biswabiplab Singh,** *ICAR-CRRI, Cuttack* 2. **Dasari Sreekanth,** *ICAR-DWR, Jabalpur* 3. **Dipankar Barman,** *IIRMR, Sewar, Bharatpur* 4. **Elangovan A.,** *ICAR-IARI, New Delhi* 5. **Gulab Chand Arya,** *KIIT, Bhubaneswar* 6. **Jagadhesan Boopal,** *ICAR-IARI, New Delhi* 7. **Jayendra Pandey,** *BRIC-NIPGR, New Delhi* 8. **Kousik Atta,** *GLA University, Mathura* 9. **Manjari Mishra,** *ICGEB, New Delhi* 10. **Naveen Goel,** *BRIC-NIPGR, New Delhi* 11. **Prince Choyal,** *ICAR-NSRI, Indore* 12. **Sadras Bhavana,** *Kaveri University, Gowraram, Siddipet* 13. **Sarika Kumari,** *University of Delhi, New Delhi* 14. **Sukumar Taria,** *ICAR-CAFRI, Jhansi*	
13:30-14:15	**Lunch** (DAVV Auditorium Lawn)	
14:15-16:45	**Session IV: Physiology of Yield, Quality and Stress Tolerance**	**Session V: Genomics and Frontier Technologies for Crop Improvement**
	DAVV Auditorium	Lecture Hall (LT-1), IIPS
	Chair: Alok K. Sinha, *BRIC-NIPGR* **Co-chair: Lekshmy Sathee**, *ICAR-IARI* **Rapporteur: Ranjana Singh,** *DAVV*	**Chair: Manoj Majee,** *BRIC-NIPGR* **Co-chair: Parvaze A Sofi,** *SKUAST-K* **Rapporteur: Amarjeet Singh,** *BRIC-NIPGR*
	Invited Speakers (20 min.)	**Invited Speakers (20 min.)**
	Manoj K. Sharma, *JNU, New Delhi* **"**Mapping the sugar switch: Transcriptomic insights into sorghum carbohydrate partitioning"	**Vidhu A. Sane,** *CSIR-NBRI, Lucknow* **"**From genes to flavour: A multi-omics exploration of mango ripening and aroma"

	M. Djanaguiraman, *TNAU, Coimbatore* "Improvement of maize drought tolerance by foliar application of zinc selenide quantum dots"	**Milind B. Ratnaparkhe,** *ICAR-NSRI, Indore* "Genomic strategies for biotic stress tolerance in soybean"
	K. Padmasree, *University of Hyderabad* "Significance of mitochondrial electron transport chain in optimizing photosynthesis in NADP-ME C_4 model plant Setaria italica (foxtail millet)"	**Prafull Salvi,** *BRIC-NABI, Mohali* **"**CRISPR/Cas9-mediated disruption of RISBZ1 links endosperm reserve accumulation to seed vigour in rice"
	Riccardo Mazzoleni, *ICT International Pty Ltd, Australia* "Multi-sensor technologies for real-time monitoring of plant water use and status"	**Ajay Kumar Singh,** *ICAR-NIASM, Baramati* "Targeted genome editing of multiple negative regulators for engineering climate-resilient soybean"
	Ratnakumar Pasala, *ICAR-IIOR, Hyderabad* **"**Two-season evaluation of genetic diversity and trait stability in a safflower core collection under post-rainy season conditions"	**Session Speakers (10 min.)**
	Session Speakers (10 min.)	**Nimmy M.S.,** *ICAR-NIPB, New Delhi* "Transcriptome-guided identification and cloning of CaMYB-105, a putative salinity-responsive regulator in chickpea (*Cicer arietinum* L.)"
	Sujan Mamidi, *HudsonAlpha Institute for Biotechnology, Huntsville* **"**Pangenome-enabled dissection of adaptation and trait diversity in sorghum for climate-resilient crop improvement"	**Joshitha Vijayan,** *ICAR-NIPB, New Delhi* "Bidirectional promoters: Expanding the toolkit for plant engineering"
	Pawan Kumar Jewaria, *BRIC-NIPGR, New Delhi* "Plant elicitor peptide 1 (PEP1) signalling: Integrating plant development, immunity and stress adaptation"	**Sushma M. Awaji,** *ICAR-NIASM, Baramati* "Development of a protoplast-based platform for plasmid-free RNP-mediated genome editing in soybean"
		N.V. Naidu, *ANGRAU, Guntur* "SSR-based characterisation of sesame (*Sesamum indicum* L.) genotypes"
	Boominathan Parasuraman, *TNAU, Coimbatore* "Seaweed-based biostimulants alleviate drought and heat stress in tomato through coordinated physiological and molecular responses"	**Ashis Majhi,** *BRIC-NIPGR, New Delhi* "Large-scale CRISPR/Cas9 functional genomics of rice miRNAs: A frontier reverse-genetics approach for resolving locus-specific functions"
	Ruchi Bansal, *ICAR-IARI, New Delhi* "Physiological, biochemical and transcriptomic responses in cultivated and wild lentil under heat stress"	**M. Iqbal R. Khan,** *Jamia Hamdard, New Delhi* "Abscisic acid as a key regulator of wheat stress adaptation and resilience"
	Jayesh Vaishnav, *Swami Vivekanand Govt. PG College, MP* "Physiological and biochemical responses of maize (*Zea mays* L.) seedlings and leaves during greening to sodium sulfate-induced salinity stress"	**Neeta Lohani,** *TIET, Patiala* "Endoplasmic-reticulum protein quality control as a physiological determinant of pollen thermotolerance across crop species"
16:45-17:15	**Tea/coffee** (DAVV Auditorium Lawn)	
17:15-18:15	**Panel Discussion on "Plant Physiology for Viksit Bharat@2047"** **Panellists:** **Sudhir Sopory,** *ICGEB* **Kunwar Harendra Singh,** *ICAR-NSRI* **N. Raghuram,** *GGSIPU* **M.S. Sheshshayee,** *UAS, Bangalore* **K.B. Hebbar,** *ICAR-CPCRI* **Viswanathan Chinnusamy,** *ICAR-IARI* (Moderator) (Venue: DAVV Auditorium)	

18:30-20:30	**Session VI: Early Career Researchers Awards Session (8 minutes each)** (DAVV Auditorium) **Chair: Jagadish Rane,** *ICAR-CIAH* **Co-chair: Muthappa Senthil-Kumar,** *BRIC-NIPGR* **Convener: Mahesh Kumar,** *ICAR-IARI* **Rapporteur: Rupal Singh Tomar,** *DAVV* **Speakers** 1. **Antima Yadav,** *BRIC-NIPGR, New Delhi* 2. **Chirag Maheshwari,** *ICAR-IARI, New Delhi* 3. **Hanamant Halli,** *ICAR-NIASM, Baramati* 4. **Mukesh Kumar Meena,** *BRIC-NIPGR, New Delhi* 5. **Navyashree R,** *Kaveri University, Gowraram, Siddipet* 6. **Nazir Ahmad Kotay,** *AMU, Aligarh* 7. **Nisha Agrawal,** *ICAR-NSRI, Indore* 8. **Nishtha Rawat,** *BRIC-NABI, Mohali* 9. **Rajeev Kumar, ICAR-IIVR**, *Varanasi* 10. **Riya Mehrotra,** *CSIR-CIMAP, Lucknow* 11. **Shamima Parveen,** *ICAR-IARI, New Delhi* 12. **Solaiyappan M,** *ICAR-IARI, New Delhi* 13. **Swati Bhimraoji Gaikwad,** *DRPCAU, Samastipur* 14. **Ujjwal Sirohi,** *BRIC-NIPGR, New Delhi* 15. **Veena Devi,** *PAU, Ludhiana*	**68th Annual General Body Meeting of the Society** **18:30–20:00** (Venue: Lecture Hall (LT-1), IIPS)
20:30	**Dinner** (DAVV Auditorium Lawn)	

Day 3: 23 NOVEMBER 2026 (Monday)	
07:30-09:00	**Breakfast** (DAVV AUDITORIUM LAWN)
09:00-11:00	**Plenary Session III** (DAVV Auditorium) **Chair: P.V. Vara Prasad,** *Kansas State University* **Co-chair: Bharat Singh,** *College of Agriculture, RVSKVV* **Rapporteur: Sonal Mathur,** *Dr. Harisingh Gour Vishwavidyalaya, Sagar* **Professor S.K. Sopory Endowment Lecture Award** **Sanjay Kapoor,** *University of Delhi* "Evolutionary recruitment of an ancient cytokinin regulatory pathway and its regulation by calcium signalling during rice seed development" **Professor S.K. Sinha Memorial Lecture Award** **Renu Pandey,** *ICAR-IARI, New Delhi* "Phosphorus efficiency: understanding physiological mechanisms to improve crop yield" **Professor K.K. Nanda Memorial Lecture Award** **Muthappa Senthil-Kumar**, *BRIC-NIPGR, New Delhi* "Understanding stress interactions: An ongoing journey towards developing chickpea tolerant to combined drought and dry root rot"
11:00-11:30	**Tea Break** (DAVV AUDITORIUM LAWN)

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<td>11:30-14:30</td>
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Session VII: Plant Growth, Photosynthesis and Metabolism
DAVV Auditorium
Chair: Anjana Jajoo, DAVV
Co-chair: Arjun Tiwari, University of Turku
Rapporteur: Ruchi Bansal, ICAR-IARI
Invited Speakers (20 min.)
Alok K. Sinha, BRIC-NIPGR, New Delhi “MAPKs: beyond stress, into growth - regulating photosynthesis!”
Aashish Ranjan, BRIC-NIPGR, New Delhi “Photochemical attributes: GWAS to genes”
Arjun Tiwari, University of Turku, Finland “PSI photodamage and repair act as a regulatory switch that safeguards linear electron flow for biomass production”
K. Jagadis Gupta, BRIC-NIPGR, New Delhi “Photorespiration–nitric oxide crosstalk: An emerging determinant of plant submergence tolerance”
Sreeramaiah N. Gangappa, IISER, Kolkata “A tug-of-war between RDUF1/RDUF2 E3 ubiquitin ligases and PIF3/PIF4 transcription factors orchestrates seedling photomorphogenesis”
Session Speakers (10 min.)
Santosh Kumar, KIIT, Bhubaneswar “Physiological and structural ontogeny of silica cells in rice (Oryza sativa) at the sub-micron scale”
Ravi Babu M., RARS, Anakapalle “Identification of PHS-tolerant green gram genotypes through biochemical traits”
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Session VIII: PHYSIOLOGY OF HORTICULTURAL CROPS AND MODELLING IN AGRICULTURE
Lecture Hall (LT-1), IIPS
Chair: K.B. Hebbar, ICAR-CPCRI
Co-chair: Babu Valliyodan, Lincoln University
Rapporteur: Rabinder Singh, DAVV
Invited Speakers (20 min.)
Babu Valliyodan, Lincoln University, “Identification and characterisation of circadian and flowering-time genes in industrial hemp”
Shraddha Singh, BARC, Mumbai “Improvement of horticultural crops through radiation-induced mutagenesis approach”
Soumit K. Behera, CSIR-NBRI, Lucknow “Quantifying net ecosystem exchange in a tropical semievergreen forest: Eddy covariance observations from Similipal Biosphere Reserve, India”
Raghavendra Nargund, ICAR-NSRI, Indore “Soybean Yield Estimation in Central India Using DSSAT and ML-Based Models”
Sudhir Kumar, ICAR-IARI, New Delhi “High-throughput phenotyping and genome-wide association mapping of component traits for heat stress tolerance in bread wheat”
Session IX: Plant–Soil–Microbe Interactions
Lecture Hall (LT-1), IIPS
Chair: Meeta Jain, DAVV
Co-chair: Gurdev Chand, SKUAST-Jammu
Rapporteur: Sudhir Kumar, ICAR-IARI
Invited Speakers (20 min.)
Mahaveer Prasad Sharma, ICAR-NSRI, Indore “Harnessing Microbial
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School and College Students’ Symposium
Session X: Career Opportunities in Plant Physiology and Agriculture
Seminar Hall, SEES, DAVV
School Students’ Symposium
Conveners: Swati Tiwary & Sunita Kataria, DAVV
Participating Schools
1. Advanced Academy
2. Choitram School
3. Emerald Heights International School
4. Vidhyanjali International CBSE School
5. Namdev Panjwani Girls Higher Secondary School
College Students’ Symposium
Conveners: Madan Pal Singh & Gurumurthy S, ICAR-IARI
Participating Colleges
1. Medicaps University
2. Mata Gujri College of Professional Studies
3. School of Life Science, DAVV
4. SAGE University
5. College of Agriculture (RVSKVV)
6. Acropolis Institute of Management Studies and Research
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	Aditi Gupta, *CSIR-NBRI, Lucknow* **"**BRL3 at the crossroads of growth and climate adaptation"	Symbionts and Biostimulants for Climate-Resilient and Sustainable Soybean Production"	
	Sonal Mathur, *Dr. Harisingh Gour Vishwavidyalaya, Sagar* "Interactive effects of temperature and photoperiod on growth, development, and chlorophyll fluorescence in early to late maturing soybean groups"	**Balakumaran Chandrasekar,** *IIT, Jodhpur,* "Decoding the sugary secrets and invisible effectors at the cell wall interface during soybean–*Macrophomina* interactions"	
	T. Swaroopa Rani, *GITAM,* "Plant growth promotion and biological control of tomato bacterial wilt by *Silvimonas* spp."	**Session Speakers (10 min.)** **Sridev Mohapatra,** *BITS, Pilani, Hyderabad* "Molecular mechanisms in plant-rhizobacterial interaction for abiotic stress tolerance"	
	Laxmi Sharma, *ICAR-NBPGR, New Delhi* "Genome-wide identification and characterisation of NAC gene family in wild and cultivated rice (Oryza spp.)"	**Satarupa Mallick,** *University of North Bengal* "Role of endophytic bacteria from indigenous aromatic rice cultivar (*O. sativa* cv. Tulaipanji) of West Bengal as potent diazotrophic bioinoculants for sustainable agricultural practices"	
	Amit Kumar Mishra, *Mizoram University, Aizawl* "Unraveling UV-B-induced physiological and metabolic reprogramming in *Ocimum americanum* L.: implications for antioxidant defence and essential oil quality"	**Vinod Goyal,** *SKUAST-Jammu* "Microplastic-driven biodiversity restructuring: Plant physiological responses"	
	K.A. Kalariya, *ICAR-DMAPR, Anand* "Physiological and transcriptomic characterisation of Vallabh Vishwa Kalmegh: a stay-green ideotype of *Andrographis paniculata*, with insights into flowering and flavonoid biosynthesis"	**B.M. Jamadagni,** *MACS, Pune* "Harnessing the interaction effect of PGRs and nutrients for yield enhancement in soybean (*Glycine max (L.) Merr.*) on farmers' fields: A physiological and agrotechnological research programme with farmer participation"	
14:30-15:15	**Lunch** (DAVV Auditorium Lawn)		
15:30-16:30	**Valedictory Function** (DAVV Auditorium)		
16:30	**High Tea** (DAVV Auditorium Lawn)		
	Close of Conference		