

**National Symposium on Harnessing Plant Genetic Resources (PGR) of
Peninsular India – From Biodiversity Hotspot to Sustainable Bioresource Hub
(NSPPI 2026), September 17–19, 2026**

Theme 1: Securing the Genetic Heritage of Peninsular India - from Exploration to Conservation

Date: 18th September 2026 (Friday)

Time: 3:30 to 6:50 pm

Venue: Committee Room, Main Administrative Building, ICAR-IIHR

Oral ID	Abstract Title
OP-1-01	“Matoli”- A unique ethno-botanical treasure of Goa and Konkan region
OP-1-02	Rediscovering <i>Linum mysorens</i> B. Heyne ex Wall: Germplasm Exploration and Conservation Imperatives in the Western Ghats
OP-1-03	Validation of DELTA (DEscription Language for TAXonomy) software for sugarcane genetic resources management
OP-1-04	Collection, conservation and domestication of native orchids of Kodagu in Western Ghats
OP-1-05	Habitat suitability modeling for conservation of <i>Naregamia alata</i> Wight and Arn. (Meliaceae): An endangered medicinal and ornamental plant, endemic to Western Ghats of Kerala, under different climatic scenarios
OP-1-06	Species diversity of <i>Abelmoschus</i> in Western Ghats: prospects and issues in germplasm utilization
OP-1-07	Molecular Phylogenetics, Divergence Time Estimation and Historical Biogeography of Peninsular Indian Endemics of <i>Barleria</i> L. (Acanthaceae): Implications on PGR Conservation
OP-1-08	Documentation and characterization of indigenous mango of Andaman and Nicobar Islands
OP-1-09	Collection, conservation and characterization of wild edible fruits of Western Ghats for morphological and biochemical traits
OP-1-10	Expedition of Wild <i>Cajanus</i> Species Diversity in Peninsular India
OP-1-11	Germplasm Diversity and Conservation at ICAR-SBI Research Centre, Kannur: A Global Reservoir for Sugarcane Improvement
OP-1-12	Optimizing <i>in vitro</i> micro propagation and proliferation dynamics in <i>Piper longum</i> L.: mitigating hyperhydric stress for germplasm conservation
OP-1-13	Species associations in habitats of some threatened and endangered potential ornamentals of lateritic hillocks in Kerala
OP-1-14	Differential response of Oil Palm fruit forms to pollen desiccation and cryopreservation
OP-1-15	Safeguarding Mulberry Genetic Resources Through Exploration, Conservation, and Utilization
OP-1-16	Exploring Jamun, Karonda, Jackfruit and Kokum Naturally occurring Biodiversity for Conservation and Development of Climate resilient cultivars in Konkan Region of Maharashtra.
OP-1-17	Wild relatives of <i>Solanum</i> as store house for resistance to biotic and abiotic stresses in Western Ghats
OP-1-18	Ploidy diversity in <i>Saccharum spontaneum</i> L., wild species of sugarcane, from Western Ghats of India
OP-1-19	Domestication Potential of Wild Pointed-Leaf Jasmine (<i>Jasminum cuspidatum</i> Rottler ex Spreng.) from the Yercaud Hills
OP-1-20	Mapping Diversity for Future breeding: Germplasm Characterization of Jackfruit (<i>Artocarpus heterophyllus</i> Lam.)
OP-1-21	Eryngo (<i>Eryngium foetidum</i> L.): An Indigenous Spice Crop with Emerging Opportunities for Nutrition, Health and Rural Entrepreneurship

OP-1-22	Clonal propagation of strawberry guava (<i>Psidium cattleianum</i> Sabine) through stem cuttings: An approach for <i>ex situ</i> conservation
OP-1-23	Emmer Wheat/Khapli (<i>Triticum dicoccum</i>): An emerging nutraceutical/functional food crop of Peninsular India
OP-1-24	From Diversity to Discovery: Unlocking Genetic Resources for the Future of Chilli Improvement
OP-1-25	Recent Trends in Conservation and Utilisation of Cashew Genetic Resources
OP-1-26	Morphological Delineation of Naturally Introgressed Eggplant Genotypes from Germplasm Collections: Implications for PGR Conservation and Management
OP-1-27	Exploring Cucumber (<i>Cucumis sativus</i> L.) Diversity to Accelerate Genetic Improvement

Theme 2: PGR Governance: From Biosecurity to Benefit Sharing

Date: 18th September 2026 (Friday)

Time: 3:30 to 6:50 pm

Venue: Video Conferencing Room, Main Administrative Building, ICAR-IIHR

Oral ID	Abstract Title
OP-2-01	Implications of Sui Generis Plant Variety Protection on registration of fruit crop varieties
OP-2-02	Distribution of Phylotypes and Sequevars of <i>Ralstonia solanacearum</i> in India: Relevance to pathogen surveillance and Conservation of Plant Genetic Resources
OP-2-03	Open-Source Seeds as a "Protected Commons"
OP-2-04	Defensive role of leaf trichomes in wild <i>Solanum</i> genetic resources against ash weevil, <i>Mylocerus subfasciatus</i> Guerin-Meneville
OP-2-05	Exploiting National Gene Bank Diversity for the Discovery of Novel Marker–Trait Associations (MTAs) Conferring Spot Blotch Resistance in Indian Wheat
OP-2-06	Domestication of USDA pomegranate accession for bacterial blight resistance breeding
OP-2-07	Harnessing Brinjal Germplasm for Resistance to Root-Knot Nematode (<i>Meloidogyne incognita</i>): A Translational Approach for Crop Improvement and Sustainable Bioresource Development
OP-2-08	Exploring the Wild Tomato Genetic Resources for Volatile-Mediated Resistance Against the Two-Spotted Spider Mite
OP-2-09	Multi-varietal mango orchards offer enhanced ecosystem services with special reference to insect fauna
OP-2-10	Evaluation of advanced breeding lines derived from IHRBTG-144-1 for powdery mildew resistance in Bitter melon (<i>Momordica charantia</i> L.).
OP-2-11	CRISPR/Cas12a-based Rapid Diagnostic Assay for the Detection and Distinction of Important strains of Tomato infecting Begomoviruses
OP-2-12	Identification of Root-Knot Nematode-Resistant Chilli RILs Using Marker-Assisted Selection and Phenotypic–Genotypic Evaluation
OP-2-13	Mining Cowpea Core Collections for Bruchid (<i>Callosobruchus maculatus</i>) Resistance and its Association with Seed Physical, Chemical and Genetic Factors

Theme 3: Innovation, Bioeconomy and Livelihood Enhancement

Date: 18th September 2026 (Friday)

Time: 3:30 to 6:50 pm

Venue: Video Conferencing Room, Main Administrative Building, ICAR-IIHR

Oral ID	Abstract Title
OP-3-01	Lasoda (<i>Cordia myxa</i>) Mucilage as a Natural Cryo-Protectant: Lyophilisation of <i>Lactobacillus</i> spp and Formulation of Probiotic Beetroot Powder
OP-3-02	From Forest Knowledge to Green Enterprise: A Scalable Biodiversity-Based Livelihood Model among the Soliga community of Biligiri Rangana Hills .
OP-3-03	Unlocking the Bio-economic Potential of Biodiversity: A Case of Farmer-Led Conservation of Red-Fleshed Jackfruit in India
OP-3-04	Integrated Farming Systems as Scalable Biodiversity-Based Livelihood Models: Evidence from Udupi and Shivamogga Districts of Karnataka
OP-3-05	Community-Based Apiculture as a Scalable Livelihood Enterprise for Strengthening Livelihood Security of Smallholder Farm Women in Karnataka
OP-3-06	Who Protects the Protectors? Assessing the Awareness of Progressive Farmers on India's Biodiversity Governance and Farmers' Rights Framework
OP-3-07	Global Production–Trade Dynamics and Economic Viability of Avocado (<i>Persea americana</i> Mill.): Evidence and Emerging Opportunities from India
OP-3-08	Unlocking the Potential of <i>Caryota urens</i> for Sustainable Agroforestry Systems
OP-3-09	Demonstration and participatory evaluation of seed spices cultivation in the eastern Ghats of Koraput, Odisha
OP-3-10	Characterization of farmers' varieties and their conservation in indigenous minor fruit crops
OP-3-11	Exploring the untapped potential of <i>Barleria</i> – an indigenous flower crop for their commercial utility
OP-3-12	Tapping the nutritional potential of karonda- a lesser known opportunity fruit by easily adoptable processing techniques

Theme 4: Decoding Diversity for Sustainable Use

Date: 18th September 2026 (Friday)

Time: 3:30 to 6:50 pm

Venue: G S Randhawa Auditorium, ICAR-IIHR

Oral ID	Abstract Title
OP-4-01	Genotype × Environment Interaction and Adaptability Analysis of Winged Bean Genotypes Using the WAASB Approach
OP-4-02	Introgression of anthracnose fruit rot resistance from <i>C. baccatum</i> into <i>C. annuum</i> using marker-assisted genetic bridge strategy
OP-4-03	Unlocking the Breeding Potential of Maldandi Sorghum Landraces: Phenotypic Diversity, Yield Stability, and Adaptation Across Post-Rainy Seasons
OP-4-04	Assessment of bioactive constituents in <i>Garcinia indica</i> (Kokum) for its potential as a nutraceutical source of hydroxycitric acid, anthocyanins, and phenolics
OP-4-05	Harnessing Wild Relatives of Pearl Millet Conserved at the ICRISAT Genebank for Grain Quality and Disease Resistance Traits

OP-4-06	Integrative Multi-Omics Analysis Combining Meta-QTL, Comparative Genomics and Meta-Transcriptomics Reveals High-Confidence Candidate Genes for Heat Tolerance in Tomato (<i>Solanum lycopersicum</i> L.)
OP-4-07	Screening of Pepper Germplasm for Heat Tolerance to Identify Promising Donors
OP-4-08	Exploring TOPLESS-RELATED PROTEIN 3 (TPR3) as a Genome Editing target for Fusarium Wilt resistance in Banana
OP-4-09	Harnessing Crop Wild Relatives for Improving Grain Protein Content in Sorghum
OP-4-10	“Genome-Wide Dissection of Adaptive Loci and Candidate Genes for Early Seedling Establishment under Moisture Deficit in Durum Wheat”
OP-4-11	Characterization and evaluation for morpho-biochemical traits of soursop (<i>Annona muricata</i> L.) genotypes from western ghats
OP-4-12	Profiling of metabolite biomolecules from the methanolic extract of <i>Momordica cymbalaria</i> Hook F. fruit
OP-4-13	Enhancing Banana Genetic Diversity via Chromosome Doubling
OP-4-14	Multi-trait selection reprograms metabolic and transcriptional networks underlying cis-trans nepetalactone enrichment in catmint (<i>Nepeta cataria</i> L.)
OP-4-15	Exploring Genetic Diversity for Nutritional and Biochemical Traits in Curry Leaf (<i>Murraya koenigii</i> L. Spreng) Genetic Resources
OP-4-16	Marker-Assisted Selection for Fusarium Wilt Resistance in <i>Gladiolus</i> progenies
OP-4-17	Trait-Specific Characterization of Sweet Potato germplasm for Identification of superior genetic resources and breeding utilization
OP-4-18	Characterization and Evaluation of Diverse Onion (<i>Allium cepa</i> L.) Germplasm for Sustainable and Climate-Resilient Agriculture
OP-4-19	Evaluation of Toxicity in <i>C. angustifolia</i> : A potent source for antibacterial drug
OP-4-20	Evaluation and Identification of Trait-Specific Foxtail Millet Germplasm for Climate Resilient Breeding
OP-4-21	Harnessing Wild Genetic Resources: Conservation, Characterisation and Utilisation of Wild accessions for broadening the genetic base and Climate-Resilient Agriculture in Rice
OP-4-22	Morpho-Molecular Characterization and Pigment Profiling of Asiatic Lily Genotypes: A Futuristic Approach towards Reducing Import Dependency and Strengthening India's Ornamental PGR Base
OP-4-23	Exploring heterozygosity for genetic diversity and trait improvement in grapes
OP-4-24	Coconut genetic resources – status and prospects in breeding for climate resilience and industrial applications
OP-4-25	Genetic diversity studies for yield, nutritional quality and powdery mildew resistance in sunflower (<i>Helianthes annuus</i> L.)
OP-4-26	Molecular insights into charantin and β -carotene biosynthesis in bitter melon (<i>Momordica charantia</i> L.): Gene expression dynamics and metabolite profiling