

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

Date of Poster session: 18th September 2026 (Friday)

Time: 2:00 pm to 3: 30 pm

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

POSTER ID	ABSTRACT TITLE
PP-1-01	Biodiversity to Table: Underutilized Vegetable Crops of Western Ghats of India for Health and Wellness
PP-1-02	Exploration and Characterization of Acid Lime (<i>Citrus aurantifolia</i> S.) Germplasm for Conservation and Future Crop Improvement
PP-1-03	A Glimpse of Indigenous and Minor Fruits of India
PP-1-04	Morphological diversity and yield determinants in <i>Garcinia gummi-gutta</i> germplasm of Kerala
PP-1-05	Assessing novel variability for morphological and reproductive traits in palmyrah (<i>Borassus flabellifer</i> L.)
PP-1-06	Morphological Characterization and Assessment of Genetic Diversity in Dahlia (<i>Dahlia variabilis</i>) Genotypes
PP-1-07	Morphological Characterization and Distinctness, Uniformity, and Stability (DUS) Profiling of Carrot (<i>Daucus carota</i> L.) farmer variety ‘Madhuvan Gajar’
PP-1-08	An epitome of vegetable crops diversity in Goa and adjoining Konkan region for posterity
PP-1-09	Exploration, <i>Ex Situ</i> Conservation and Morphological Characterization of Curry Leaf (<i>Murraya koenigii</i> L. Spreng) Genetic Resources in India
PP-1-10	Effect of Cryo-Storage on Pollen Viability and Fertility in Taro (<i>Colocasia esculenta</i> L.)
PP-1-11	Integrating indigenous knowledge systems and artificial intelligence for next-generation germplasm management and biodiversity monitoring
PP-1-12	Systematic exploration, documentation and conservation of Soursop (<i>Annona muricata</i> L.) genotypes from western ghats
PP-1-13	Potential Crop Landraces of Southern Western Ghats – PGR perspectives
PP-1-14	Geo-referencing of acid lime (<i>Citrus aurantifolia</i> Swingle) orchards to know variation in fruiting potential and fruit quality in central India
PP-1-15	In vitro propagation through axenic seed culture for the conservation of an endangered species, <i>Exacum bicolor</i> Roxb.
PP-1-16	Multi-Spectral Imaging (MSI) for seed viability prediction in sorghum germplasm conserved in the ICRISAT genebank
PP-1-17	Exploring the cultivated and wild diversity of agriculturally important species in Western Ghats (Nashik, Thane and Palghar Districts) of Maharashtra State
PP-1-18	Unlocking genetic diversity conserved in the NBPGR genebank to identify novel donor lines for salinity tolerance in lentil.
PP-1-19	Identification of novel ideotypes of okra (<i>Abelmoschus esculentus</i> L. Moench) collected from the western ghats region of Maharashtra under temperate conditions.
PP-1-20	Exploration, Evaluation and Seed Propagation of Fishtail Palm (<i>Caryota urens</i> L.) in the Eastern Ghats
PP-1-21	Assessment of Morphological Variability in Kokum (<i>Garcinia indica</i> Choisy.) Germplasm from Western ghats of India
PP-1-22	Development of an AI-Enabled Real-Time Mobile Application for Identification of Allium Crop Wild Relatives
PP-1-23	An Integrated In Vitro Propagation and Seed Cryopreservation Strategy for Ex Situ Conservation of <i>Dendrobium heterocarpum</i> Wall. ex Lindl.

Theme 2: PGR Governance: From Biosecurity to Benefit Sharing

POSTER ID	ABSTRACT TITLE
PP-2-01	Genetic dissection of leaf rust resistance in a diversity panel of tetraploid wheat (<i>Triticum turgidum</i>)
PP-2-02	Identification of Turcicum leaf blight resistant sources among diverse maize germplasm and validation of SSR markers linked to resistance
PP-2-03	Genomic Insights into Papaya Ringspot Virus (PRSV-P) Resistance in Papaya (<i>Carica papaya</i> L.)
PP-2-04	Identification of novel sources of quick wilt resistance in black pepper (<i>Piper nigrum</i> L.) genotypes
PP-2-05	Phenotypic and molecular characterization of Capsicum germplasm for root-knot nematode (<i>Meloidogyne incognita</i>) resistance
PP-2-06	Functional characterization of major proteins encoded by Pineapple Mealybug Wilt-Associated Virus-3 reveals their roles in pathogenicity and systemic GFP silencing
PP-2-07	Deciphering the molecular mechanisms underlying disease resistance in wild genotypes of tomato against <i>Xanthomonas euvesicatoria</i> causing bacterial spot disease through differential gene expression analysis
PP-2-08	Harnessing Wild Tomato Genetic Resources through Volatile Profiling for Sustainable Resistance against <i>Phthorimaea absoluta</i>
PP-2-09	Identification of Tomato Leaf Curl New Delhi Virus tolerant ridge gourd (<i>Luffa acutangula</i> Roxb. L.) genotypes
PP-2-10	Biochemical characterization of defense responses in selected grape varieties (<i>Vitis</i> spp.) for resistance to grape rust disease
PP-2-11	Screening of tuberose genotypes (<i>Agave amica</i> Medik.) for resistance to root knot nematode (<i>Meloidogyne incognita</i>)
PP-2-12	Identification of resistance sources against pulse weevil (<i>Callosobruchus</i> spp.) in pea (<i>Pisum sativum</i>) core set and wild <i>Pisum</i> relatives under artificial infestation conditions
PP-2-13	Characterization of Yardlong bean (<i>Vigna unguiculata</i> subsp. <i>Sesquipedalis</i>) germplasm resistance to seed beetle (<i>Callosobruchus chinensis</i> L.)
PP-2-14	Optimizing Interspecific Hybridization and Revealing Genotype-Dependent Crossability for Introgression of Ascochyta Blight Resistance in Chickpea (<i>Cicer arietinum</i> L.)
PP-2-15	First report of CRISPR prime editing in a globally significant non-model organism, the fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae)
PP-2-16	Harnessing secondary gene pool wild relatives for introgressing stable late leaf spot resistance in groundnut
PP-2-17	Haplotype-Based Mapping and Validation of Genomic Regions Controlling Aflatoxin Resistance in Groundnut
PP-2-18	Wild emmer wheat as a reservoir of novel powdery mildew resistance: from gene discovery to mechanistic insight and breeding application
PP-2-19	Strengthening traditional knowledge protection and farmers' rights through equitable plant genetic resource governance
PP-2-20	Screening of interspecific hybrids in guava for biotic stress tolerance

Theme 3: Innovation, Bioeconomy and Livelihood Enhancement

POSTER ID	ABSTRACT TITLE
PP-3-01	Promoting the Competitiveness of Underutilized Fruits: Nutritional Analysis of Indigenous and Exotic Fruits in India
PP-3-02	Economics of Precision Horticulture: A Meta-Analytic Synthesis of Input Savings, Yield Gains, and Profitability Metrics Across Site-Specific Technologies
PP-3-03	Leveraging livelihoods through participatory research: a case of Lakshmana Tamarind selection
PP-3-04	Screening of different genotypes of jackfruit (<i>Artocarpus heterophyllus</i> Lam.) for the preparation of different beverages and its storage stability
PP-3-05	From Agro-Waste to Green Wealth: Optimizing Turmeric Leaf Harvesting for Essential Oil Production and Sustainable Rhizome Yield Enhancement
PP-3-06	Engineering Climate-Resilient Forest Restoration: A Hydrogel–Microbial–Biostimulant Approach for Timber Sapling Establishment
PP-3-07	Field Evaluation of LEAFENERGY Biostimulant for Enhancing Growth, Yield, Quality, and Drought Tolerance in Tomato and Chilli under the Arid Conditions of Jharkhand
PP-3-08	From gene bank to value chain: translational research for climate-resilient crop improvement and bioresource development

Theme 4: Decoding Diversity for Sustainable Use

POSTER ID	ABSTRACT TITLE
PP-4-01	Morphological characterization and fat content estimation of different avocado accessions collected from Kodagu region of Karnataka.
PP-4-02	Evaluation of Potato (<i>Solanum tuberosum</i>) germplasm in Gangetic Plains of India
PP-4-03	Decoding Physico-Chemical Diversity in Carambola (<i>Averrhoa carambola</i> L.) Germplasm for Sustainable Utilization and Genetic Improvement under Bundelkhand Region of Uttar Pradesh
PP-4-04	Genome-wide characterization of the IQD gene family reveals their potential role in calcium-mediated growth regulation in makhana (<i>Euryale ferox</i> Salisb.)
PP-4-05	Genome-wide analysis of the LBD gene family reveals their role in lateral organ development in makhana (<i>Euryale ferox</i> Salisb.)
PP-4-06	Assessment of Watermelon Germplasm to Identify Lines with High Citrulline Content in Pulp of Fruit
PP-4-07	Evaluation of Groundnut (<i>Arachis hypogaea</i> L.) for Drought Tolerance and Resistance to Aflatoxin Contamination under Contrasting Irrigation Condition
PP-4-08	Marker-Assisted Improvement of Groundnut (<i>Arachis hypogaea</i> L.) Genotype Batalian for High Oleic Acid, Seed Dormancy, Earliness, and Shelling Percentage under Bundelkhand Region
PP-4-09	Characterisation of Morphological, Floral and Phytochemical Diversity in <i>Clitoria ternatea</i> L. Germplasm

PP-4-10	Mining of Emmer Wheat (<i>Triticum dicoccum</i>) germplasm for Combined Heat and Drought Stress Tolerance
PP-4-11	Honeycomb Design: A best method for plant architecture and ideotype development in okra (<i>Abelmoschus esculentus</i> (L) Moench
PP-4-12	Genetic dissection of grain yield, protein and essential micronutrients in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.] through Line × Tester analysis and SSR marker-assisted diversity assessment
PP-4-13	Morpho- Biochemical Characterization of Half - Sib Pummelo Progenies for fruit quality improvement
PP-4-14	Genetic variability, heritability and correlation studies in gerbera (<i>Gerbera jamesonii</i> Bolus ex Hook. F.) varieties grown under protected cultivation
PP-4-15	Assessment of Morphological Diversity in Ridge Gourd (<i>Luffa acutangula</i> Roxb.) Genotypes through DUS Characterization.
PP-4-16	Dissecting the Genomic Regions For Root Nodulation Traits in Chickpea Through Genome Wide Association Mapping
PP-4-17	Evaluation of advanced breeding lines of chilli (<i>Capsicum annum</i> L.) for deficit moisture stress tolerance
PP-4-18	Characterization and evaluation of novel guava progenies and their parents for fruit quality traits
PP-4-19	Genetic analysis for flower yield and quality traits in mutant phenotypes of Royal Jasmine (<i>Jasminum grandiflorum</i> L.)
PP-4-20	Harnessing Genetic Diversity in CMS-Based Cauliflower for Heterosis Breeding and Sustainable Crop Improvement
PP-4-21	Molecular characterization and DUS analysis for yield and proximate content of Cowpea germplasm
PP-4-22	Characterization and genetic evaluation of cucumber (<i>Cucumis sativus</i> L.) genotypes "
PP-4-23	Assessment of genetic diversity in <i>Barleria</i> genotypes using SSR markers
PP-4-24	Genome-wide Identification and Experimental Validation of Variable Number Tandem Repeat (VNTR) Markers in Onion (<i>Allium cepa</i> L.)
PP-4-25	Integrative Assessment of Fruit Quality, Bioactive Compounds, and Genetic Diversity in Indian Coffee Plum [<i>Flacourtia jangomas</i> (Lour.) Raeusch.] from Terai Ecosystems of West Bengal
PP-4-26	Decoding Phytochemical Diversity of the Underutilized Wild Edible Genetic Resource <i>Meyna peltata</i> (Rubiaceae) from Manipur, India Through Untargeted LC–MS Metabolite Profiling
PP-4-27	Decoding genetic diversity on agronomic, nutritional traits and dry root rot resistance in sesame (<i>Sesamum indicum</i> L.) germplasm
PP-4-28	Characterization of Mutant progenies of Pummelo (<i>Citrus grandis</i> (L.) Osbeck)
PP-4-29	Evaluation of Novel African and French Marigold (<i>Tagetes</i> spp.) Genotypes for Multi-purpose Utilization and Genetic Resource Enhancement
PP-4-30	Exploiting Genetic Variability and Heritability for Quantitative and Qualitative Improvement in Mango (<i>Mangifera indica</i> L.)
PP-4-31	Morphological and Biochemical characterization of interspecific hybrids of guava

PP-4-32	Fruit Morpho-Biochemical Characterization of Some Tamarind (<i>Tamarindus indica</i> L.) Genotypes Under Sriniketan Block, Birbhum, West Bengal
PP-4-33	Integrative Assessment of Phenotypic Divergence and Molecular Diversity in Tomato (<i>Solanum lycopersicum</i> L.) Germplasm
PP-4-34	Genetic architecture, trait association, and diversity assessment of China aster [<i>Callistephus chinensis</i> (L.) Nees.] genotypes using PCA and cluster analysis
PP-4-35	Development and Standardization of Morphological Descriptors for <i>Arivela viscosa</i> (L.) Raf.
PP-4-36	Morpho-Molecular Characterization and Genetic Divergence Analysis of Cashew Germplasm from Chhattisgarh for Breeding Applications
PP-4-37	Genetic Variability and Selection Parameters for Yield and Quality Improvement in Ash Gourd (<i>Benincasa hispida</i> (Thunb.) Cogn.) under the Malnad Region of Karnataka
PP-4-38	Influence of Seasonal Dynamics on Morphological Yield and Carotenoid Accumulation in African Marigold (<i>Tagetes erecta</i> L.) Genotypes
PP-4-39	Comparative Analysis of Diosgenin Accumulation in Fruit Tissues of Various Southern Indian Accessions of <i>Balanites roxburghii</i> Planch.
PP-4-40	Omics Insights into PGPR-Mediated Seed Biopriming in Tomato
PP-4-41	Identification of nitrogen use efficient maize inbreds using SPAD-based phenotyping under contrasting nitrogen regimes
PP-4-42	Unveiling Genetic Variability in <i>Fagopyrum</i> spp. through Stability Indices and Marker Based Profiling
PP-4-43	"CRISPR/Cas9-Mediated Induction of Male Sterility for Use in Plant Breeding"
PP-4-44	Morpho-physicochemical characterization of bael (<i>Aegle marmelos</i> L.) germplasm under Eastern Indian conditions
PP-4-45	Heterosis, combining ability and gene action studies for yield, quality traits and ToLCD resistance in tomato (<i>Solanum lycopersicum</i> L.)
PP-4-46	Evaluation of Fertility Levels and Water-Soluble Fertilizers for Sustainable Utilization of Brinjal (<i>Solanum melongena</i> L.) var. GJLB-4
PP-4-47	Genetic Variability in Turmeric (<i>Curcuma longa</i> L.) Genotypes
PP-4-48	Assessment of Biochemical Diversity of Tamarind Germplasm
PP-4-49	Morphological, Biochemical, and Molecular Characterization of <i>Syzygium cumi</i> Morphological, Biochemical, and Molecular Characterization of jamun (<i>Syzygium cumini</i> Skeels) Collections from South Indian (L.) Skeels Collections from South India
PP-4-50	Gene expression profiling of Indian mustard (<i>Brassica juncea</i> L.) genotypes under PEG-induced drought stress: From high-throughput phenotyping to candidate germplasm for breeding
PP-4-51	Phytochemical profiling and antioxidant activity of <i>Jasminum</i> species
PP-4-52	Integrated Morphological, Nutritional and Molecular Characterization of Finger Millet (<i>Eleusine coracana</i> L. Gaertn.) Germplasm for Sustainable Utilization

PP-4-53	Evaluation of Seedling Mango (<i>Mangifera indica</i> L.) for Identification of Elite Genotypes Using Morphological, Physico-Chemical and Multivariate Analyses
PP-4-54	GENOME ANALYSIS IN PRE-BREEDING LINES DERIVED FROM GREENGRAM $\times$ RICEBEAN CROSSES
PP-4-55	Screening Avocado (<i>Persea americana</i> Mill.) Accessions from Kodagu Region of Karnataka for Low-Browning Genotypes
PP-4-56	Harnessing indigenous Finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) germplasm through integrated genetic variability and diversity analysis for sustainable crop improvement
PP-4-57	Genetic Variability for Rind Citrulline Content and Yield Traits in Diverse Watermelon (<i>Citrullus lanatus</i> L.) Germplasm
PP-4-58	Multivariate analysis of morphological diversity in bitter melon (<i>Momordica charantia</i> L.) germplasm.
PP-4-59	Bridging Genetic Bottlenecks in Chickpea through Exploiting Wild Cicer Gene Pools for Sustainable Crop Improvement
PP-4-60	Harnessing plant genetic resources for hybrid development in bell pepper
PP-4-61	Estimation of Heterosis for Yield and Yield-Attributing Traits in Okra (<i>Abelmoschus esculentus</i> L. Moench)
PP-4-62	Protocol optimization of in vitro regeneration in rice utilized for genetic transformation studies in rice varieties suited for Konkan region
PP-4-63	“Reproductive Trait Characterisation of Annona Plant Genetic Resources: A Comparative Study of Pollen Germination, Pollen Viability and Stigma Receptivity”
PP-4-64	Characterization and evaluation of Yellow Mangosteen (<i>Garcinia xanthochymus</i>) accessions for morpho-biochemical traits
PP-4-65	Character Association and Path Coefficient Analysis for Yield and its Components in Pigeonpea (<i>Cajanus cajan</i> L. Millsp.)
PP-4-66	Development and Genetic Evaluation of Anthocyanin-Rich Okra (<i>Abelmoschus esculentus</i> L.) Hybrids for Yield and Yield Attributes
PP-4-67	Decoding Rice Germplasm Diversity for biofortification and climate-resilient rice breeding: Integrating Phenotypic, Biochemical and Molecular Characterization
PP-4-68	Integrated Characterization of Durum Wheat Genetic Resources Reveals Elite Donors for Sustainable Crop Improvement
PP-4-69	Heterosis, combining ability and gene action studies for yield, quality traits and ToLCD resistance in tomato (<i>Solanum lycopersicum</i> L.)
PP-4-70	Genetic Analysis of Heterosis, Combining Ability and Molecular Diversity in Gynoecious Parthenocarpic Cucumber (<i>Cucumis sativus</i> L.) under Protected Cultivation
PP-4-71	Exploring Gamma Ray-Induced Variability in Jackfruit CV. Tubagere through Multi-Level Characterization
PP-4-72	Collection, Conservation and Characterization of Jackfruit (<i>Artocarpus heterophyllus</i> Lam.) Germplasm in Peninsular India under AICRP on Fruits
PP-4-73	Genetic Diversity Analysis of M ₃ Mutant Lines of Mothbean (<i>Vigna aconitifolia</i> (Jacq. Marechal) for Yield and Yield Contributing Traits.

PP-4-74	Genotypic Correlation Analysis of Yield and Yield-Attributing Traits in M ₃ Mutant Lines of Mothbean (<i>Vigna aconitifolia</i> (Jacq.) Marechal)
PP-4-75	Phenotypic Characterization and Multivariate Assessment of Diversity in Coconut (<i>Cocos nucifera</i> L.) Germplasm
PP-4-76	Assessment of Genetic Variability for Yield and Yield-Contributing Traits in Horse Gram [<i>Macrotyloma uniflorum</i> (Lam.) Verdc.] Germplasm
PP-4-77	Identification of Stable Horse Gram [<i>Macrotyloma uniflorum</i> (Lam.) Verdc.] Germplasm Across Different Sowing Dates Using AMMI and GGE Biplot Analysis
PP-4-78	Biochemical characterization of sugar apple (<i>Annona squamosa</i> L.) genotypes based on fruit traits for crop improvement
PP-4-79	Unlocking the Genetic Diversity of Shankhpashpi (<i>Clitoria ternatea</i> L.) Genotypes: Insights into Morphological and Phytochemical traits
PP-4-80	Integrative morphological, quantitative, and molecular characterization of contrasting rice genetic resources and F ₁ hybrids reveals breeding potential for marker-assisted improvement'
PP-4-81	Developing Bridge Species through Complementary Strategies to Overcome Ploidy Bottlenecks in Wild Germplasm
PP-4-82	Agro-morphological characterization and yield evaluation of parents and F ₁ hybrids derived from crosses between KAU Manuratna and Green Super Rice (GSR) donor accessions in rice (<i>Oryza sativa</i> L.)
PP-4-83	BLUP-Based Genotype-by-Yield*Trait Analysis for Identification of Groundnut Germplasm lines with In Situ Germination Tolerance and Superior Agronomic Performance
PP-4-84	Evaluation of oriental pickling melon (<i>Cucumis melo</i> L.var conomon) genotypes genotypes growth and yield traits
PP-4-85	Characterization and evaluation of <i>Annona muricata</i> L. genotypes for morphological, yield and quality attributes
PP-4-86	Characterization of root distribution and mineral profiling of the Annona Hybrid 'Arka Sahan' grafted onto different rootstocks
PP-4-87	Application of ploidy breeding approach in guava for seedlessness and reduced seed trait