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S.No.	Poster Number	Registration Number	Title	Author
Theme 2 - Multi-omics for crop improvement				
220.	P-221	ICPP2025-1005	Genome editing of *SBEIIa* in maize towards high amylose	Kumud Kamini
221.	P-222	ICPP2025-1006	HY5-MED14 module is pivotal for balancing oxidative stress-driven DNA-damage response to sustain root meristem integrity	Pallabi Thakur
222.	P-223	ICPP2025-1035	Functional characterisation of UDP-glycosyltransferase of the arjuna triterpene saponin pathway	Poonam Vyas
223.	P-224	ICPP2025-1042	Genome editing in sorghum (*Sorghum bicolor)* for herbicide tolerance	Foram Paresh Vasani
224.	P-225	ICPP2025-1069	Understanding the role of ULTRAPETALA1 in regulating plant growth and development in *indica* rice	Rukshar Parveen
225.	P-226	ICPP2025-1055	Decoupling for abundance: Strigolactone depletion unlocks rice yield potential	Himani Patnaik
226.	P-227	ICPP2025-200	Multi-omics characterization and marker development of antioxidant genes for *Fusarium* Wilt resistance in chickpea	Lalit Kharbikar
227.	P-228	ICPP2025-615	Prediction of interactions between artemisinin pathway-specific transcription factors and histone acetyltransferases in *Artemisia annua*	Mala Singh

228.	P-229	ICPP2025-213	Identification and *in-silico* characterization of the *ARE-1* ortholog as a candidate for genome editing for enhanced yield and NUE in Pearl millet	Arun Chacko
229.	P-230	ICPP2025-277	Identification and characterization of saponin polymorphism in an irradiation-induced mutant population of the soybean cv. NRC142	Sorav
230.	P-231	ICPP2025-279	Root-centric mechanisms of heavy metal tolerance and Phytostabilization in *Suaeda Maritima*: A Metabolomic perspective on cadmium and lead stress	Asish Kumar Parida
231.	P-232	ICPP2025-444	CRISPR-Cas9 mediated editing of *GmEIN2* isoforms as a novel strategy to enhance abiotic stress tolerance in soybean	Sushma M Awaji
232.	P-233	ICPP2025-199	Apoplast metabolomics reveals complex plant–endophyte communication networks	Rachana K Pawar
233.	P-234	ICPP2025-341	Tissue specific proteome analysis deciphers regulation of unique set of proteins in different tissues during pre-climacteric and climacteric stages in banana	Subhankar Mohanty
234.	P-235	ICPP2025-179	*OsWNK9* confers salinity tolerance in rice by modulating ABA–IAA homeostasis and ROS detoxification pathways	Yogesh Negi
235.	P-236	ICPP2025-360	Genome -wide analysis of heat shock proteins from *Prosopis cineraria,* a dynamic desert plant, and leveraging potential candidates for crop improvement	Mukul Joshi
236.	P-237	ICPP2025-241	Metabolomic perspectives of salinity tolerance in Pearl millet napier (PMN) hybrids	Amulya M
237.	P-238	ICPP2025-276	Dissecting the transcriptional dynamics of *SVALKA* lncRNA in and out of genomic context in *Arabidopsis thaliana*	Nitya Tiwari

238.	P-239	ICPP2025-438	Multi-omics insights into Bruchid (*Callosobruchus* sp.) Resistance in chickpea (*Cicer arietinum* L.)	Gokulakrishnan M
239.	P-240	ICPP2025-460	*Rab11* negatively regulates combined drought and heat stress tolerance in rice	Nandini KS
240.	P-241	ICPP2025-466	Genetic improvement of yield in Indian mustard through targeted CRISPR-Cas genome editing of MAX family genes	Divya Bharathi R
241.	P-242	ICPP2025-532	Enhancing lodging resistance through targeted knockout of *ILA1*-Interacting Protein 4 (*IIP4*) in a high-tillering mutant of the mega rice variety MTU1010	Himanshi Tanwer
242.	P-243	ICPP2025-899	Development of transgenic chickpea expressing *cry1Ac* under a wound-inducible promoter with resistance against *Helicoverpa armigera*	Sheeva Khan
243.	P-244	CPP2025-901	Structural insight in to Cas9 – guide RNA interactions	Hariharan K
244.	P-245	ICPP2025-913	Integrated analysis of transcriptome and small RNA sequencing data provides miRNA candidates for grain quality traits aligning with different developmental stages in *Triticum aestivum* (L.)	Deepak Das
245.	P-246	ICPP2025-955	Precision breeding of muskmelon using western Ghats germplasm: A pathway to sustainable horticulture	Virupakshi Hiremata
246.	P-247	ICPP2025-936	The FON4 and LARGE1 synergy: Linking floral patterning and grain size for yield optimization	Akunuru Sreeja
247.	P-248	ICPP2025-984	Sweetly HACking the epigenetic machinery to control cold tolerance in *Arabidopsis*	Harshita B Saksena

248.	P-249	ICPP2025-1050	Mining novel alleles of candidate genes for grain quality traits in rice through GWAS	Williams Mohanavel
249.	P-250	ICPP2025-1080	Regulation of sulfur metabolism through miRNAs: a strategy for enhancing sulfur use efficiency in *Brassica juncea*	MZ Abdin
250.	P-251	ICPP2025-1081	Genome editing of vacuolar mugineic acid transporter (*OsVMT*) for iron biofortification in rice	Sougat Satapathy
251.	P-252	ICPP2025-1099	Genome-wide association and pre-breeding strategies for pod borer resistance in pigeonpea	Abhinav Moghiya
252.	P-253	ICPP2025-1113	Dissecting the genetic basis of plant vigor in chickpea under atmospheric drought (VPD Stress) using HTP-LeasyScan and genomic mapping	Vishal Hivare
253.	P-254	ICPP2025-1118	Heterologous expression of *VvlncRNA36038* in *Arabidopsis thaliana* improved tolerance against fungal infections	Nandni
254.	P-255	ICPP2025-1122	Artificial neural network-based deep learning model to predict combined stress impact and interaction in plants	Piyush Priya
255.	P-256	ICPP2025-1129	Identification of candidate genes associated with seedling stage drought tolerance in lentil using genome wide association mapping	Neteti Siddartha Kumar
256.	P-257	ICPP2025-1134	Characterization of cyclin dependent kinase 9 (CDK9) in the moss *Physcomitrella patens*	Radha Yadav
257.	P-258	ICPP2025-1121	Artificial intelligence and IoT sensors powered chamber for climate smart agriculture	Daniel R

258.	P-259	ICPP2025-1135	Large scale metagenomic mining of microbial dark matter for identifies novel Cas9 orthologs	Shivam Chauhan
259.	P-260	ICPP2025-1136	Charting the epigenomic route to climate-resilience: Deciphering the chromatin signatures of plant environmental adaptation	Vasundara Sundaravadivelu
260.	P-261	ICPP2025-1141	Molecular regulation of rice development and salinity tolerance by TF35 and its interacting partner HDA991	Tripti Avinash
261.	P-262	ICPP2025-1144	Contribution of *SUB1* and *DTY* QTLs towards physiological responses and rice yield advantage under sequential submergence and drought stresses	Debarati Bhaduri
262.	P-263	ICPP2025-1154	Integrating high-throughput phenomics and physiological traits driving nitrogen use efficiency in wheat	Seetha Laxmi
263.	P-264	ICPP2025-1159	Phenomics-assisted genetic dissection of heat tolerance during grain development in a wheat RIL population (HD 3086 × HI 1500)	Arumugam Tamilselvan
264.	P-265	ICPP2025-1153	Genome-wide dissection of phenological, physiological and yield traits associated with terminal heat stress tolerance in wheat	Ezhumalai Sivapragasam
265.	P-266	ICPP2025-1149	*In-silico* analysis of major heading date genes in photoperiod sensitive and insensitive rice genotypes	Harinishree RJ
266.	P-267	ICPP2025-1145	Antisense transcription: A hidden regulatory layer of stress responsiveness in plants	Shiv Meena
267.	P-268	ICPP2025-1161	Molecular insights emphasizing differential regulation of Alternative OXidase (AOX) in stress sensitive *Arabidopsis thaliana* and stress tolerant *Eutrema salsugenium*	Varsha Venugopalan

268.	P-269	CPP2025-1190	Demystifying the dynamics of cytokinin oxidase in regulating leaf senescence under combined heat and drought stress in wheat	Kousalya Sekar
Theme 3 - Horticulture and Tree Physiology				
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270.	P-271	ICPP2025-124	MYB transcription factors regulating betalain biosynthesis and heat stress responses in *Amaranthus hypochondriacus*	Ritika Rana
271.	P-272	ICPP2025-139	Differential modulation of pigment profile and chlorophyll fluorescence in *Talinum cuneifolium* L. under Cu stress	Sanjana Suresh
272.	P-273	ICPP2025-134	Growth and physiological responses of muskmelon to varying phosphorus levels under hydroponic conditions	B Gayathri
273.	P-274	ICPP2025-154	Decoupling heat stress responses in potato source and sink organs by grafting reveals source fitness as determinant of sink productivity	Surbhi Mali
274.	P-275	ICPP2025-178	Influence of habitat heterogeneity on the ecophysiological traits of *Urticularia aurea* Lour. in coastal wetlands and *Urticularia stellaris* L.f. in Lateritic Wetlands of Kasaragod District, Kerala	Sreekala P
275.	P-276	ICPP2025-174	Expression analysis of candidate genes for berry size in grape	Komal D Thorat
276.	P-277	ICPP2025-175	Effect of population size and marker density on genomic prediction accuracy in grape	Samiksha R. Chavhan

277.	P-278	ICPP2025-192	Unveiling the phytochemical richness of two traditional mango landraces from Northern Kerala: Neelaparaghi and Kunjimangalam Mangoes	Anusha KR
278.	P-279	ICPP2025-197	Phytosynthesis and characterization of ZnO NP aided by distimake vitifolius leaf extract	Beegam Saliha M
279.	P-280	ICPP2025-232	Interactive effects of zinc and salinity stress on physiological and photosynthetic performance of the mangrove associate *Volkameria inermis* L.	Nair G Sarath
280.	P-281	ICPP2025-297	Omics decoding of vasicinone biosynthesis in *Adhatoda vasica*: Insights from contrasting morphotypes	Abinaya Manivannan
281.	P-282	ICPP2025-284	Multi-omics of defense metabolism in *Zingiber officinale* against *Pythium myriotylum*	Anish Kundu
282.	P-283	ICPP2025-292	Genome-wide identification and in silico characterization of *O-methyltransferases* (OMTs) gene family in turmeric (*Curcuma longa*)	Rohini Haridas
283.	P-284	ICPP2025-350	Cold plasma treatment as an effective trigger for altering flowering traits of marigold	JSR Jabez
284.	P-285	ICPP2025-311	Nutrient formulation: A sustainable approach for enhancing growth, yield and quality in papaya	Naveen Kumar K
285.	P-286	ICPP2025-378	Xanthophyll-mediated photoprotective mechanism of *Lepidium latifolium* L., a sleeper weed from Ladakh Himalayas	Sumit Jamwal
286.	P-287	ICPP2025-315	Phytohormonal cues shape phenylphenalenone-type phytoalexin biosynthesis in banana	Chetna Jhamat

287.	P-288	ICPP2025-353	Aminoethoxyvinylglycine regulates ripening and quality of banana fruits under different storage environments	Devi Madhavan
288.	P-289	ICPP2025-355	Managing the shade: Morph physiological and molecular insight in sweet potato	Nalishma Raghu
289.	P-290	ICPP2025-375	Exploring the potential of mango seed by-products: a comprehensive review on utilization strategies and value-added applications	Mouresh MS
290.	P-291	ICPP2025-408	Influence of traditional mango landrace rootstocks and its age on epicotyl grafting in Kuttiattoor mango	Suchitra B
291.	P-292	ICPP2025-409	Studies on post harvest physiological parameters in aonla fruits	Rajkumar J
292.	P-293	ICPP2025-454	Impact of nutrient-PGR consortia on fruit set, yield, quality and NDVI in tomato	Sivakumar R
293.	P-294	ICPP2025-459	Spin priming: A breakthrough technique to enhance the quality of indigo seeds	T Mullai
294.	P-295	ICPP2025-468	Exogenous melatonin and salicylic acid treatments enhance postharvest quality and shelf-life of traditional banana varieties	Kavitha Chinnasamy
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297.	P-298	ICPP2025-474	Seed germination challenges and the effect of fruit structure on seedling establishment in *Terminalia bellirica*	D Thirusendura Selvi
298.	P-299	ICPP2025-525	Physiological characterisation through SEM in seed of *Solanum torvum* Swartz	Padma Priya Murugappa Ravi
299.	P-300	ICPP2025-538	Physiological assessment of genetic variability and heritability for growth and yield traits in chilli genotypes	Ashok
300.	P-301	ICPP2025-539	Physiological interventions for quickening breeding cycle and productivity of aonla and bael for subtropical region of India	Sanjay Kumar Singh
301.	P-302	ICPP2025-540	First haplotype-resolved genome assembly of citral-rich lemongrass *Cymbopogon Flexuosu* var. Krishna	Swati Tyagi
302.	P-303	ICPP2025-560	Morpho-physiological and biochemical responses of *Populus deltoides* to water stress	Akhila Sandeep
303.	P-304	ICPP2025-589	Semi-targeted profiling of carotenoids elucidates seasonal modulation across marigold cultivars	Atharva Joshi
304.	P-305	ICPP2025-575	Impact of hydrogen peroxide on early ripening of thompson seedless grapes	SD Ramteke
305.	P-306	ICPP2025-601	Development of *in vitro* propagation protocol for *Chrysanthemum* (*Dendranthema grandiflora*) cv. White Star	Macwan Ankita Vijaybhai
306.	P-307	ICPP2025-622	Improving functional food value of fenugreek microgreens through substrate and seed density optimization	Insha Mushtaq

307.	P-308	ICPP2025-914	An HSP90 Co-chaperone modulates developmental and ripening pathways in tomato	Praveen C. Verma
308.	P-309	ICPP2025-619	Tomato genome engineering targeting SlMYBL2 for enhanced flavonoid biosynthesis	Shruti Tiwari
309.	P-310	ICPP2025-916	STCR-IPNS Based Fertilizer Prescription on Growth, Physiological and Yield Parameters of Beetroot	Arulmani R
310.	P-311	ICPP2025-945	The coding and non-coding transcriptome dynamics during plant-begomovirus interaction in *Capsicum annuum*	Joanna Ningneipar
311.	P-312	ICPP2025-921	Physiological and transcriptomic Insights into the iron uptake mechanisms in *Moringa oleifera*	Jyoti Sharma
312.	P-313	ICPP2025-961	Evaluation of cucumber genotypes for deficit moisture stress tolerance	Ramesh KV
313.	P-314	ICPP2025-985	Physiological evaluation of small onion for increasing yield through growth regulators and Nutrient mixture	S Nithila
314.	P-315	ICPP2025-949	Biostimulants-mediated biochemical and yield improvements under drought in tomato	Simhi Samyukta SM
315.	P-316	ICPP2025-988	Stage-specific metabolic reprogramming reveals a shift from curcuminoid-dependent to phenolic–antioxidant–driven salinity tolerance in turmeric	M Nishma
316.	P-317	ICPP2025-1017	Dissecting the role of the tomato brown rugose fruit virus movement protein in plant mobility pathways	Ritika Dwivedi

317.	P-318	ICPP2025-993	Genome-wide characterization of calcium-dependent protein kinases in *Zingiber officinale* and their transcriptional profiling during defense response	K Amrutha
318.	P-319	ICPP2025-1001	Assessment of different biostimulants performance on growth and physiology of tomato	PS Kavitha
319.	P-320	ICPP2025-1041	From physiology to practice: Leveraging ABA and growth cessation for climate-resilient mango flowering	S Aravinda Samy
320.	P-321	ICPP2025-1019	Impact of modified atmospheric packaging on damage of *Lasioderma serricorne* L. and quality on ajwain and cumin seeds	Krishna Kant
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323.	P-324	ICPP2025-588	Enhanced transplantation performance of mature trees using combined burlapping and root management techniques	Sathiyamurthy VA
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327.	P-328	ICPP2025-898	Functional characterization of SlSTART1, major latex-like protein regulating tomato root development	Zahir Abass
328.	P-329	ICPP2025-1048	Benchmarking prediction accuracies for implementing genomic selection in the rice prebreeding / breeding programs of TNAU	Thamizh Iniyan A
329.	P-330	ICPP2025-1071	Seasonal modulation of petal abscission in *Rosa bourboniana* and the antagonistic role of Jasmonic acid in ethylene-mediated abscission	Renu Verma
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331.	P-332	ICPP2025-1119	To assess the physiological and yield performance of the banana germplasm planted at different dates	Boishali Handique
332.	P-333	ICPP2025-1128	Initiatives in the development of speed breeding protocols for black pepper	Maneesha SR
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334.	P-335	ICPP2025-1132	Metabolomic Profiling of *Nelumbo nucifera* genotypes for chemotypic diversity and aromatic compounds	Padmapriya S
335.	P-336	ICPP2025-1133	5-Azacitidine induced DNA hypomethylation alters expression of anti-oxidant enzymes in onion (*Allium cepa*)	Kiran K Gudaghe
336.	P-337	ICPP2025-1148	Exploring physiological diversity in gas-exchange capacities of *Allium* species	Sanket J More

337.	P-338	ICPP2025-1114	Dose-dependent effects of fertilization-mediated modulation of vegetative architecture and physiological attributes in *Adhatoda vasica* L. under field conditions	Priyanka Awachate
338.	P-339	ICPP2025-1160	Pathobiological investigation of *Xanthomonas citri* pv. *punicae*, the causal agent of Pomegranate bacterial blight	Kalieswari
339.	P-340	ICPP2025-1143	Assessment of antioxidant-related metabolites in *Averrhoa carambola* L.	Madhuri Ankush Pawar
340.	P-341	ICPP2025-1146	Effect of growth regulators on morphological growth parameters and mineral composition of *Curcuma caesia* Roxb.	Mayuri Dattatray Salunkhe
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342.	P-343	ICPP2025-283	Reprogramming photosynthetic nitrogen use efficiency: machine learning–driven CRISPR editing of the Nrp1 repressor in rice	Shelvy S
343.	P-344	ICPP2025-380	Artificial intelligence and machine learning in weed management in field crops: a review	Harish Menpadi
344.	P-345	ICPP2025-377	Tracking crop resilience to abiotic stress using next-generation sensor based imaging techniques	Basavaraja T
345.	P-346	ICPP2025-441	Integrating combining ability analysis and artificial neural networks to enhance genetic improvement and yield potential in little millet	B Nagendra Naidu

346.	P-347	ICPP2025-535	Analysis/study of salt stress on salinity-tolerant rice variety Goa Dhan 2 through electrochemical impedance spectroscopy technique	Sohom Adhikari
347.	P-348	ICPP2025-513	District-Level Forecast Diagnostics and Advisory Risk Profiling for Maize Cultivation Across Telangana: A Multi-Metric Framework for Climate-Smart Agricultural Planning	Guhan Velusamy
348.	P-349	ICPP2025-583	The Indian crop phenome database (ICPD): A global FAIR repository for standardized crop phenome data	Sonia Balyan
349.	P-350	ICPP2025-897	Artificial intelligence for smart crop monitoring and management in *Oryza sativa*	Jaivignesh D
350.	P-351	ICPP2025-986	Database system as an aid in the sugarcane crossing program	Maruthi RT
351.	P-352	ICPP2025-553	Leveraging spatial analysis and geographic data for sustainable climate change solutions	Mukesh Vishnoi
352.	P-353	ICPP2025-201	Hydrogen peroxide seed priming enhances early seedling stage multiple stress tolerance in *Oryza sativa*	George Kanjooparambil Rajeev
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355.	P-356	ICPP2025-118	Physiological responses of rice fallow blackgram under weed management with allelochemicals extracted from *Parthenium hysterophorus*, *Eucalyptus globulus*, *Helianthus annuus*	Selvakumar S
356.	P-357	ICPP2025-119	Investigating the plant growth-promoting bacterial inoculation effect on biochemical and metabolites expression in sorghum	M Umapathi
357.	P-358	ICPP2025-142	Physiological influence of biostimulants on growth, yield, and quality of rice	Suganya V
358.	P-359	ICPP2025-145	Fodder maize in balanced rations for sustainable livestock productivity	Shamini K
359.	P-360	ICPP2025-150	Melatonin seed priming enhances early vegetative phase tolerance to drought, salinity, and chromium stress in rice	Sharon Ransi
360.	P-361	ICPP2025-153	Mitigating heat-induced damage in rice through UV-B seed priming: A multistage analysis of stress tolerance and priming memory	Noble louis
361.	P-362	ICPP2025-087	Foliar application of plant growth regulators and nutrients: A smart way to increase the growth and productivity of chickpea	Prashant V Shende
362.	P-363	ICPP2025-158	Status of seed priming in major cereals, pulses and oilseed crops, prospects and challenges	N Sabitha
363.	P-364	ICPP2025-166	Effect of melatonin priming on chromium tolerance in amaranthus	SK Shahil
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365.	P-366	ICPP2025-203	Developing an unorthodox tissue culture protocol for medicinal rice variety Njavara	GK Krishna
366.	P-367	ICPP2025-204	Unravelling the molecular basis of dopamine-mediated stress amelioration in rice via reverse chemical genetic approach	K Bhrundha
367.	P-368	ICPP2025-275	Priming with nascent g-C3N4 and micronutrient-doped g-C3N4 enhances abiotic stress tolerance potential in *Oryza sativa* L.	N Swetha
368.	P-369	ICPP2025-260	Biofabricated selenium nanoparticles and melatonin synergistically enhance salinity tolerance in Amaranthus	Kumar Varshini
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371.	P-372	ICPP2025-207	Sustainable production of *Valeriana jatamansi*: Synergistic effects of aeroponics and fungal endophytic biostimulants	Amit Kumar
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375.	P-376	ICPP2025-285	Nano urea augments productivity, nitrogen use efficiency, yield and oil content of rainfed castor	P Veeramani
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377.	P-378	ICPP2025-356	Evaluation of liquid nutrient-PGR consortium for improving the yield in cotton	N Celcia Jenifer
378.	P-379	ICPP2025-319	Role of calcium oxide nanoparticle seed priming in modulating growth and antioxidant enzyme activity in rice under NaCl stress	Joel Joy M
379.	P-380	ICPP2025-325	Soil application of diverse liquid seaweed extracts differentially modulates root traits of tomato	Soorya Elumalai
380.	P-381	ICPP2025-338	Melatonin and its nano-formulation: A novel approach to mitigate combined drought and high temperature stress in tomato	KA Mumithra Kamatchi
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385.	P-386	ICPP2025-088	Effect of putrescine on morpho-physiological parameters and yield of kharif green gram	Sapana B Baviskar
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387.	P-388	ICPP2025-458	Physiological assessment of defoliants on synchronisation of harvesting in cotton through unmanned aerial vehicle	Rajasekar R
388.	P-389	ICPP2025-391	Seaweed extract–mediated modulation of physiological responses for improved yield under drought and heat stress in tomato	Boominathan Parasuraman
389.	P-390	ICPP2025-386	Synergistic role of PGPR and ZnO nanoparticles in enhancing drought tolerance of chickpea	Renu Kumari
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392.	P-393	ICPP2025-452	Assessment of GA_3 as a chemical hybridizing agent: impacts on yield traits in soybean	S Abirami
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394.	P-395	ICPP2025-469	Histochemical and ultrastructural insights into leaf defoliation by Thidiazuron and diuron through drone in cotton	Ravichandran Veerasamy

395.	P-396	ICPP2025-472	Enhanced growth of *Oryza sativa* by newly isolated microbial strains from rhizosphere	Priyanka Roy
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397.	P-398	ICPP2025-431	Standardization of the concentration of bio-synthesized zinc oxide nanoparticles to determine the high seedling vigour in tomato	Piravin K
398.	P-399	ICPP2025-523	Integrative role of melatonin in enhancing drought tolerance in rice	Saswat Swarup Padhi
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