

List of Poster Presenters in iFANS-2023

Poster Session-I (January 07, 2023) Poster No. P001 to P140

Poster Session-II (January 08, 2023) Poster No. P140 to P285

P001	Diksha Choudhary	Effects of Ginger-derived extracellular vesicles on preadipocyte differentiation: Implications for human obesity
P002	Anita Rawat	<i>In-vitro</i> protective effect of putative probiotics against inflammation
P003	Vandita Tiwari	Effect of anthocyanin rich bio-fortified colored wheat on inflammatory mediators and Adipokines involved in High fat diet/Streptozotocin-induced diabetic rodent model
P004	Tushar Matta	Characterization, optimization of GABA production and anti-inflammatory effects of lactic acid bacteria
P005	Yogita Singh	Status of Arsenic content in rice genotypes and soils of rice growing areas of Haryana
P006	Aryan Dhamija	Identification and physical mapping of cellulose synthase gene (CslF6) gene responsible for β -glucan synthesis in Bread Wheat
P007	Sudha Sahay	Development of <i>Curculigo orchioides</i> Gaertn rhizome suspension cells for the production of health tonic with aphrodisiac and energy enhancer properties
P008	Ruchika Maurya	Millet polyphenols mitigates High-Fat High-Sucrose diet induced gut aberrations in mice
P009	Puja Singh	CRISPR/Cas9 mediated genome editing to modify arsenic uptake in rice (<i>Oryza sativa</i> L.)
P010	Deepshikha Tyagi	Investigating the role of hemerythrin domain containing E3 Ubiquitin ligases (HRZ) in wheat during iron homeostasis
P011	Archana Watts	Genome editing of CCD7/CCD8 for enhanced yield using CRISPR/Cas9 in Indian Mustard
P012	Sushmita	CRISPR/Cas9 mediated genome editing in tomato for manipulating fruit shelf-life
P013	Hiteshwari Sinha	Light-dependent regulation of secondary metabolite biosynthesis in tomato
P014	Deepak Das	Climate-smart wheat: The promises of gene editing technology
P015	Nivedita Singh	A R2R3-MYB transcription factor, NtMYB308, down-regulates anthocyanin and lignin biosynthesis in tobacco
P016	Hiralben Lakhani	Efficient genome editing using CRISPR/Cas9 RNP delivery into banana protoplasts via PEG mediated transfection for generation of transgene-free pro-vitamin A enriched banana

P017	Vishal Sharma	Highly efficient Agrobacterium-mediated genetic transformation approach for CRISPR/Cas9- based genome editing in pea (<i>Pisum sativum</i> L.)
P018	Siddhant Chaturvedi	CRISPR/Cas9 targeted mutagenesis of the glucuronokinase gene enhanced the ascorbic acid biosynthesis in fruits of banana cv. Rasthali
P019	Anusree Saha	Stress-responsive attributes of ribosomal protein genes
P020	Varsha Meena	Delineating the molecular and biochemical processes associated with iron deficiency tolerance in hexaploid wheat
P021	V. M. Murali Achary	CRISPR/Cas9 mediated alteration of reproductive architecture to improve the productivity of rice
P022	Anjali Verma	CRISPR/Cas-mediated genome editing of an ODAP biosynthetic gene in <i>Lathyrus sativus</i>
P023	R. Manimekalai	Optimization of multiplex sgRNA/Cas9 cloning cassette for sugarcane
P024	Malini MK	GWAS analyses on impact of high temperature stress in photosynthesis and its component traits of rice
P025	Shikha Gautam	Rice protein L-isoaspartyl methyltransferases (PIMT) protein imparting sheath blight tolerance
P026	Shivangi Mahawar	Understanding the role and regulation of methionine sulfoxide reductase (MSR) in <i>Oryza sativa</i>
P027	Salman Sahid	An insight into the role of Osr40C1 in regulating drought stress tolerance in rice
P028	Sinjini Datta	Histochemical, enzymatic, targeted metabolomic and gene expression analyses provide an insight into the scent volatiles synthesis and emission in ephemeral flowers of <i>Murraya paniculata</i> L.
P029	Senthil, A	Canopy architectural traits influence the photosynthetic rate in maize genotypes
P030	Rupanshee Srivastava	Toxicology impact of heat shock and salinity on diazotrophic <i>Cyanobacterium anabaena</i> PCC7120
P031	Surabhi Pal	A fungal effector, BsCE66 is crucial for the colonization during triticum-bipolaris interaction
P032	Mandavi Pandey	Digalactosyldiacylglycerol synthase 1 is crucial for growth and development under phosphate starvation condition in rice
P033	Rekha Jaiswal	Role of N nutrition in NO-Pgb mediated defense responses in tomato against <i>Botrytis cinerea</i>
P034	Manbir	Alternative oxidase plays a role in minimizing ROS and RNS produced under salinity stress in <i>Arabidopsis thaliana</i>
P035	Debashish Sahu	Exploring the virulence role of RALPH effectors during pea-powdery mildew interactions

P036	Shruti Mishra	<i>Piriformospora indica</i> recruits host-derived putrescine for growth promotion in <i>S. lycopersicum</i>
P037	Jahnavi Varma	Identification of lncRNA mediated regulatory network under salinity stress in chickpea
P038	Vaishali Sharma	Individual and cumulative roles of nitric oxide and arbuscular mycorrhiza in modulating nutrient acquisition and antioxidative defense mechanisms in chromium (Cr ⁺⁶)-affected Pigeonpea (<i>Cajanus cajan</i> L. Millsp.) genotypes
P039	Latika Joshi	Physiological and molecular analysis of plant response to combined drought and heat stress
P040	Priyanka Bhardwaj	Beneficial endophytes of a cold desert plant, <i>Arnebia euchroma</i> alleviate cold stress tolerance in arabidopsis
P041	Purbali Mukherjee	Interactive role of sucrose, ROS and auxin during development of female gametophyte of wheat (<i>Triticum aestivum</i> L.) under high night temperature
P042	G. A. Lakshmi	Temperature induction response as an indicator of intrinsic tolerance in model monocot (<i>Oryza sativa</i> L.) and dicot (<i>Lycopersicum esculentum</i>) species
P043	Ankita Rana	Characterization of unfolded protein response pathways of tomato
P044	Lekshmi Manasa S	New insights into contribution to cold tolerance in <i>Vigna radiata</i>
P045	Zahir Abass	The inhibitory effects of Fe deficiency on plant growth are partially suppressed under ABA- deficient conditions in tomato
P046	Arnab S. Mahapatra	<i>Ex-vitro</i> performance of <i>in-vitro</i> raised plants of <i>Decalepis hamiltonii</i> : The importance of nitrates in culture medium
P047	Sushma	Physiological characterization of ethyl methane sulphonate treated mutant lines of <i>Gossypium herbaceum</i> (L.) in response to drought stress
P048	Vaishali	Physiological responses under drought in <i>Cyamopsis tetragonoloba</i> (L.) Taub. varieties and associated endophytes for enhancing stress tolerance and productivity
P049	Kishan Sahu	Exploring the role of endoreduplication in F1-hybrids of <i>Arabidopsis thaliana</i>
P050	Shiv Narayan	Drought-induced responses in plant anatomy and lignin biosynthesis in cluster bean [<i>Cyamopsis tetragonoloba</i> (L.) Taub.]
P051	Nitya N. Sharma	Functional characterization of stress-responsive ERF transcription factor for yield optimization in Sorghum
P052	Amit	Identification and functional characterization of SbMYB transcription factors regulating abiotic stress tolerance and sugar accumulation

P053	Mahima Chauhan	Evaluation of thermostable variant of copper, zinc superoxide dismutase in combating oxidative stress in <i>Arabidopsis thaliana</i>
P054	Shivani Gajbhiye	Deciphering the genetic basis of PAMP-triggered immunity against <i>Alternaria brassicae</i> utilizing the natural variation in <i>Brassica juncea</i>
P055	Minakshi	Physio-biochemical and yield parameters of mungbean genotypes under mungbean yellow mosaic virus (MYMV) stress
P056	Snehlata Yadav	Effect of drought stress on morphological characters of <i>Capsicum annuum</i>
P057	Athira M. Nair	Dissecting the <i>Piriformospora indica</i> genome to unravel the key effectors critical for plant endosymbiosis
P058	Sonu Swami	Effect of exogenous application of 24-epibrassinolide on chickpea (<i>Cicer arietinum</i> L.) genotype under salt stress
P059	Nidhi Yadav	Functional characterization of phytooglobins in response to low oxygen stress
P060	Vishwakarma S	Heat stress-induced regulatory networks in rice seedlings
P061	Sanjib B. Samant	Measurement of reactive oxygen species and nitric oxide from tomato plants in response to abiotic and biotic stress
P062	Adhip Das	Superior haplotypes and putative candidate genes governing reproductive stage high temperature stress tolerance in rice
P063	Avriti Ranjan	Galactinol synthase, AtGolS1, confers tolerance towards arsenic stress by modulating galactinol accumulation in <i>Arabidopsis thaliana</i>
P064	Gurpreet Sandhu	Involvement of triterpene marker during arsenic stress under limiting sulphur condition in <i>Arabidopsis thaliana</i>
P065	Aruba Khan	Response of phenylpropanoid pathway regulators towards sulphate deficiency and arsenic stress in <i>Arabidopsis thaliana</i>
P066	Alena Patnaik	GIGANTEA confers susceptibility against <i>Fusarium oxysporum</i> via suppression of jasmonic acid pathway in <i>Arabidopsis thaliana</i>
P067	Dipanshu Ghosh	Deciphering proteostasis in photosynthetic apparatus under high light and heat stress
P068	Manas K. Tripathy	Modified apyrase altered nuclear functions leads to changes in the gene expression and growth in yeast and arabidopsis
P069	Pushpalatha Ganesh	Genome-wide haplotype analysis for salt tolerance in rice
P070	Kundan Kumar	The role of rice with no lysine kinase 9 in conferring salt, drought and arsenite stress tolerance
P071	Ashwani Kumar	Climate change, photosynthesis and advanced biofuels: Biotechnological innovations

P072	Arun Kumar	Understanding molecular intricacies of rice-R. solani AG1-IA interaction to develop sheath blight resistance in rice
P073	Sanjay S. Rawat	The sweet-talk between glucose and salicylic acid determines primary root growth in <i>Arabidopsis thaliana</i>
P074	Rashi Anand	Expression analysis reveals differentially expressed genes in BPH and WBPH that are associated with resistance in rice RILs derived from a cross between RP2068 and Tn1
P075	Gowsiga S	Increased root length and decreased transpiration rate together contributes for sorghum drought tolerance
P076	Dhriti Singh	A putative arabidopsis PEPC gene IRG1 regulates response to iron deficiency in <i>Arabidopsis thaliana</i>
P077	M. Iqbal R. Khan	Identifying the growth stimulating and defensive functions of GABA and potassium in wheat plants under salt stress
P078	Harsha Samtani	Role of TaSTI-TaOBF1 module in promoting thermotolerance in plants
P079	Devidutta Samantaray	Thermopriming mitigates the effects of heat stress by modulating the expression of heat shock factors in <i>Brassica juncea</i> (Indian mustard)
P080	Lokesh K. Saini	Overexpression of ARM repeat/U-box containing E3 ligase PUB2 positively regulates growth and oxidative stress response in <i>Arabidopsis</i> .
P081	Nishtha Rawat	ROS homeostasis in contrasting rice genotypes in the context of salinity and drought tolerance
P082	Divya Chandran	Harnessing the potential of the model legume <i>Medicago truncatula</i> to identify novel molecular targets for powdery mildew resistance in grain legumes
P083	Gaurav Zinta	Disentangling the effects of daytime and night-time heating on <i>Chenopodium quinoa</i>
P084	Sharmila S	Prospecting candidate receptors for plant neurotransmitter mediated sensory transduction in rice
P085	Simran	Melatonin outperformed arbuscular mycorrhiza and salicylic acid in alleviating salt stress in <i>Cajanus cajan</i> (pigeon pea)
P086	Komal Goel	Physiological, transcriptional and metabolic analysis delineates the effect of heat stress on <i>Chenopodium quinoa</i>
P087	Vidhi Raturi	Transcriptional dynamics during heat stress and recovery in <i>Arabidopsis thaliana</i>
P088	Vijaya K. Koraboyana	Effectiveness of genomic or phenotypic selection methods to identify promising parental lines to develop superior hybrids in pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.)
P089	Ravikiran K T	High density SNP based mapping of QTLs governing reproductive stage heat stress tolerance in novel rice donor NL-44

P090	Sejal Parmar	Identification of co-localized genomic regions and candidate genes for high iron and zinc content using genetic and association mapping in groundnut
P091	Bhavesh Palan	Development of a TILLING population in rice
P092	Vikas Fandade	Grain protein content and its phenotypic correlation with important agronomic traits in wheat mapping population
P093	Sonu Langaya	Ascertaining yield stability in wheat using AMMI
P094	Sapna Rawat	Screening for resistance to aphids (<i>Uroleucon compositae</i> Theobald) in the oilseed crop, Safflower (<i>Carthamus tinctorius</i> L.) germplasm and identification of tolerant and susceptible lines for development of a mapping population
P095	R. K. Kalia	Characterization and evaluation of moth bean genetic resources
P096	Saloni Sharma	Bulked segregant analysis and RNA-seq reveals candidate SNPs and novel genes associated with powdery mildew resistance in anthocyanin biofortified-wheat
P097	Anita Choudhary	Genetic enrichment of saffron (<i>Crocus sativus</i> L.) through polyploidization
P098	Jitendra K. Mohanty	An integrated genomic approach to dissect the salinity stress tolerance in chickpea
P099	Pradeep Singh	Development and characterization of genome-wide NAC transcription factor-based SSR markers in wheat
P100	Rita Goswami	Development of high grain β -glucan wheat genotypes through molecular conventional breeding approaches
P101	Sapna Sharma	Dissecting the genetic basis of seed carotenoid content in lentil
P102	Jayram Bagri	Speeding up evolution of drought tolerance in a high yielding indica rice
P103	Neeraj Dwivedi	Genetic diversity analysis using AFLP and SSR markers and evaluation of resistance against anthracnose in chilli landraces collected from the northeastern region of India
P104	Anirban Chakraborty	Delineation of novel QTL(s) and a potential candidate gene regulating seed protein content of chickpea
P105	Nandita Banerjee	Genomic selection to accelerate breeding for red rot resistance in sugarcane
P106	Udita Basu	From marker to a variety: A journey of chickpea varietal developmental
P107	Dhriti Ghose	Biochemical and molecular characterization of collar rot tolerance in lentil (<i>Lens culinaris</i> Medik)
P108	Shobhon Paul	Integrated ultrastructural and metabolite profiling approaches provide insight into the extrafloral nectar secretion mechanism in an ant-plant <i>Clerodendrum chinense</i> (Osbeck). Mabb

P109	Bhawna Sheoran	Fructan content of common plant-based foods and variability in Indian wheat germplasm
P110	Nabanita Bhattacharyya	Extraction and characterization of cellulose from naturally growing plants of wastelands
P111	Zafar I. Warsi	Overexpression of ACC deaminase in <i>Pogostemon cablin</i> Benth. for biotic and abiotic stress resistance
P112	Kahkashan Khatoun	Molecular cloning and genetic transformation using Chit42 gene in <i>Pelargonium graveolens</i> for fungal resistance
P113	Zakir Husain	Metabolic engineering of <i>Ocimum sanctum</i> with the vanillin synthase gene (VpVAN) for vanillin production
P114	Mamta Kaushal	Heterologous expression of <i>ZmPepcase</i> , <i>GmApsAT</i> and <i>NtGS</i> to improve growth and yield in <i>Brassica juncea</i>
P115	Arpita Singh	Functional characterization of WsBB and WsSHR genes from <i>Withania somnifera</i>
P116	Yajnaseni Chatterjee	Elucidating the role of lactate dehydrogenases in mitigating abiotic stress response
P117	Sheetal Mehla	Comparative transcriptomics analysis of transgenic pigeon pea plants with OsLec-RLK gene for salt stress tolerance
P118	Manisha	Targeting amyloplast transporters to improve the nutritional quality of wheat
P119	Bharatheeswaran Murugan	Genetic manipulation of pyrabactin resistance-Like abscisic acid receptors (AtPYL9) in mungbean enhances ABA sensitivity, water use efficiency and drought tolerance
P120	Arunima Singh	Identification of universal stress proteins in wheat and functional characterization of abiotic stress responsive TaUSP genes
P121	Deeksha Singh	Requirement of light-associated regulatory factor(s) for flavonoid biosynthesis in <i>Nicotiana tabacum</i>
P122	Shipra Singh	OsCRY2 and OsFBO10 co-regulate photomorphogenesis and photoperiodic flowering in indica rice cultivar, basmati 370
P123	Kesiraju Karthik	Generation of a retrotransposon-based mutant population of chickpea for functional genomics studies
P124	Priya Gambhir	A ripening-associated ethylene response factor ERF.D7 activates ARF2 orthologs to regulate tomato fruit ripening
P125	Chanchal Singhal	Uncovering the role of auxin response factor and isopentenyl transferases in abiotic and biotic stresses in Indian mulberry (<i>M. indicacv K2</i>)
P126	Rishi K. Verma	A novel male sterility-fertility restoration system for the commercial hybrid seed production in cotton
P127	Priyanka Kaundal	Accredited test laboratory - National Agri-Food Biotechnology Institute: A part of national certification system for testing of tissue culture raised plants in India

P128	Ray S. Rathore	Overexpression of glyoxalase III improves drought and salinity stress tolerance in rice via maintaining redox homeostasis
P129	Rajan K. Sah	Studying the role of lytic polysaccharide monoxygenases in cell wall remodeling through in planta expression
P130	Dimpal Mehla	Expression of protective antigen genes from <i>Bacillus anthracis</i> in <i>Sorghum bicolor</i> for development of plant-based anthrax vaccine
P131	Mamta Masand	Genome-wide co-expression and allele-specific expression analysis to reveal the regulatory network of SG biosynthesis in <i>Stevia rebaudiana</i>
P132	Amna Devi	Genomic studies for enhancing genetic improvement and conservation of <i>Valeriana jatamansi</i> Jones
P133	Rubi Jain	Transcriptome analysis reveals cell cycle-related transcripts as key determinants of varietal differences in seed size of <i>Brassica juncea</i>
P134	Anjali Purohit	Genome mining of microbacterium sp. CIAB417 for mannan deconstructing enzymes
P135	Manvi Sharma	Transcriptome profiling for identification of variations between a generalist aphid, <i>Myzus persicae</i> and a specialist aphid, <i>Lipaphis erysimi</i> at different developmental stages.
P136	Saurabh Raghuvanshi	Characterization of miRNAs regulating the flowering time in rice
P137	Sourav Panigrahi	<i>In-silico</i> studies of structure and function of YSL gene family in wheat
P138	Vishek choudhary	Epigenomics in saffron (<i>Crocus sativus</i> L.): Its role and possibilities
P139	Apoorva Prasad	Exploring the role of CircRNA in regulating tolerance/susceptibility in rice against <i>Rhizoctonia solani</i> AG1-IA
P140	Bhuwan Abbot	Identifying small RNA sequence signatures to understand abiotic stress induced TE methylation in chickpea
P141	Susmita Sett	Histone lysine methylation signature underpinning plant defense response against tomato leaf curl New Delhi virus (ToLCNDV)
P142	Prashant Kumar	Characterization of TaSnRK1 α kinase in high amylopectin biosynthesis in wheat
P143	Akansha Madhawan	Long non coding RNA and miRNA mediated regulation of PDAT-like gene contributing to amylose-lipid complexes (Resistant starch type 5) in wheat grain
P144	Ravi S. Kumar	miRNA408 and its encoded peptide regulate sulphur assimilation and arsenic stress response in <i>Arabidopsis</i>

P145	Mamta Yadav	Genome-wide identification and expression analysis of AuTophagy-related Genes (ATG) in cotton
P146	Kajol BM Singh	Identifying the epigenetic writings during seed development and their association with seed size trait in rice
P147	Hukam C. Rawal	miRNAs, tRFs and circRNAs: a new team of regulatory non-coding RNAs in the fight against salinity stress in rice
P148	Sumeet P. Kaundal	An attempt to screen SNP based variability in drought tolerant genes of procured germplasm of medicinal pulse crop <i>Macrotyloma uniflorum</i> by using HRM and PCR-RFLP analysis
P149	Madhushree Dutta	Multi-omics analyses shed light on thermotolerance mechanisms in potato (<i>Solanum tuberosum</i> L.)
P150	Surbhi Mali	Genome-wide identification and expression profiling of JmjC domain-containing histone demethylase gene family in potato (<i>Solanum tuberosum</i> L.)
P151	Shivani Sharma	Exploring the miRNA mediated post transcriptional regulation of wheat iron effluxer ferroportin (TaFPN1)
P152	Binduma Yadav	Deciphering the link between diet and DNA methylation that drives adipogenic reprogramming and differentiation
P153	Pranshu K. Pathak	Molecular component involved in light dependent regulation of terpenoid biosynthesis in <i>Arabidopsis thaliana</i>
P154	Himanshi Gautam	C-terminus of miR858a-encoded peptide, miPEP858a, is essentially required to regulate flavonoid biosynthesis and development in <i>Arabidopsis</i>
P155	Lovenpreet Kaur	Induced mutagenesis approach to develop low β -ODAP <i>Lathyrus cultivars</i>
P156	Smriti Gupta	Nutritional and toxicity evaluation of guar protein concentrates- An industrial byproduct as an alternative protein source
P157	Athrinandan S Hegde	Wild edibles for enhanced nutritional security: Nutritional and phytochemical characterization of few underutilized wild edibles of western himalayas
P158	Raman kumar	Microalga <i>Chlorella pyrenoidosa</i> as a dual source of proteins and micronutrients for combating malnutrition and ensuring nutritional security
P159	Monika Thakur	A novel cold-active type-1 pullulanase from a hot-spring metagenome for effective debranching and production of resistant starch
P160	Prexha Kapoor	Evaluation of grain β -glucan in a panel of <i>Triticum</i> and <i>Aegilops</i> genotypes and expression analysis of cellulose synthase-like genes in wheat
P161	Sweetey Sharma	D-Allose, a low calorie molecule with multiple pharmacological benefits

P162	Shafia Siddiqui	GM-cotton as a dead-end trap crop for whiteflies: A new pest management strategy
P163	Anjali	Study the nutritional and phytochemical composition of colored wheatgrass juice varieties (black, blue and purple) as a functional food
P164	Sakshi Gumber	Silver nanoparticles incorporated Nanocellulose-arabinoxylan acetate composite films for food packaging applications
P165	Anita Kumari	Nutritional, phytochemical, and functional attributes of black wheat pasta
P166	Ambika Goswami	Delineating the impact of spectral lights on growth and phytochemical constituents of <i>Anethum graveolens</i>
P167	Pritam Kumar Dey	Postharvest accumulation of anthocyanin in <i>Melissa officinalis</i> leaves – A new approach for generating added-value commodity
P168	Sharad K. Dwivedi	Physiological and biochemical mechanism of Jelly seed formation in mango; cause and effects
P169	Jyoti Singh	Significance of catalytic active site of Tma12 in its toxicity to whitefly
P170	Ritu Batra	A search of target genes for iron biofortification in wheat
P171	Narendran M. Nair	Production of quality apple planting material using elite dwarfing clonal rootstocks for high- density planting (HDP)
P172	Anubharathi K	Physiological and biochemical studies on the comparative response of indica and japonica rice to <i>in vitro</i> propagation
P173	Harshita Pandey	Improved CRISPR/Cas9 specificity in the presence of divalent metal ion
P174	Sneha Sebastian	Comparative impact of reductive ER stress in modulating flavonoid contents in medicinal rices and a few popular rice varieties of Kerala
P175	Riya Joon	Hexaploid wheat roots show ferroxidase activity during iron deficiency through multi-copper oxidases
P176	Simran Bhatia	Channelling the unique potential of a novel thermo-stable LPMO-AOAA17 for depolymerisation of β -O-4 linkage of lignin: Paving way for lignin valorization
P177	Portia D Singh	Deciphering the metabolome of potato leaves infected with <i>Phytophthora infestans</i>
P178	Kshitija Sinha	Genetic improvement of rice bran stability for human health and nutrition
P179	Mukta Satsangi	Unravelling Post-harvest quality of fruits using metabolomics
P180	Sahrish Aftab	Metabolomic profiling of rice leaves at different growth stages under varied nitrogen concentration
P181	Paramita Bera	A holistic metabolomics approach reveals differences in host plant chemistry in maize genotypes upon infestation with fall armyworm (FAW, <i>Spodoptera frugiperda</i> J.E. Smith)

P182	Velumani Pranneshraj	Targeted lipidomics of membrane lipids in cotton: Genotype specific lipid alterations under high-temperature stress
P183	Yogesh Pant	Fatty acid profiles of mustard seeds and oil using ¹ H-NMR and GC-MS
P184	Rahul Michael	Light-dependent regulation of terpenoid pathway is controlled by HY5 and PIFs
P185	Rupam K. Bhunia	Triacylglycerol lipase: The fascinating role of an enzyme in food rancidity – A serious threat to pearl millet
P186	Kamal Tyagi	Reduced γ -glutamyl hydrolase activity likely contributes to high folate levels in Periyakulam-1 tomato
P187	Pravesh Kundu	Investigations on the role of triterpenoid saponins in plant development and abiotic stress responses in <i>Chenopodium quinoa</i>
P188	Surabhi Tomar	Delineating the role of OsCBSX2 in plants' resilience to abiotic stresses
P189	Jyotsna Bharti	Transcriptomic and Metabolic analyses identifies key molecular mechanism of drought stress tolerance in pigeonpea
P190	Pinky	Identification of long non-coding RNAs and genes regulating economically important seed traits in <i>Brassica juncea</i>
P191	Ammar Khan	RNA-seq analysis across multiple developmental stages in two different cultivars of <i>W. somnifera</i> identifies transcripts associated with root tuberosity and textural quality
P192	Aparupa B. M. Ghosh	Exploring the leaf transcriptome of hepatoprotective herb <i>Phyllanthus amarus</i> gaining a deeper insight on its secondary metabolites and biosynthetic pathway gene/s
P193	Gaurav Suman	Transcriptional profiling of unfertilized and fertilized ovaries of sorghum
P194	Sana Basri	Differential protein expression profile of leaves during developmental stages of rice under high-N, moderate-N and low-N treatments
P195	Afreen Akhtar	Proteome analysis of <i>Oryza sativa</i> (L.) (rice) varieties under low nitrogen levels
P196	Ritu Chaudhary	Differential response of low-N sensitive and low-N tolerant rice varieties to elevated CO ₂ under low nitrogen treatments
P197	Mitrabinda Panda	Generating genomic resources from <i>Coccinia grandis</i> and identification of genes regulating fruit morphology and nutritive quality
P198	Soumya S. Nayak	Generating genomic resources for an invasive halophyte, <i>Phragmites karka</i>
P199	Adinpunya Mitra	Deciphering the patterns of anthocyanin accumulation and scent emission in nectar-secreting flowers of <i>Combretum indicum</i>

P200	Shahirina Khan	Iron deficiency triggered transcriptome changes in banana (cv. Grand Naine) roots: A foundation for designing the strategy for iron-biofortification in banana
P201	Mukul Joshi	Physiological responses under heat stress and exploring HSPs from a thermotolerant plant <i>Prosopis cineraria</i> by genome-wide transcriptomic studies
P202	Dhara Fatnani	Physiological, ionomic, and metabolomic modulations in the halophyte <i>Suaeda maritima</i> for mitigation of chromium toxicity
P203	Nita Lakra	Comparative proteomics and metabolomics of lectin receptor-like kinase-transgenic and non transgenic pigeon pea
P204	Satveer Kaur	Physiological and molecular responses to combinatorial iron and phosphate deficiencies in colored wheat seedlings
P205	Sayanta Kundu	Phenotyping of wheat genotypes at varying planting density reveal differential response under terminal heat stress
P206	Sudeshna Das	Effect of silicon application on yield attributes and grain nutrient dynamics of rice (<i>Oryza sativa</i> L.) under drought stress
P207	Nav Raten Panwar	Crop and soil response against reflective mulch in Indian arid zone
P208	Renu Bhardwaj	Fine tuning the disrupted redox homeostasis due to Cd toxicity in <i>B. juncea</i> L. by application of promising Indoleamine and HMR-PGPR
P209	Vipasha Verma	Melatonin application reprograms rhizospheric microbial community and mitigates salt stress impact in <i>Tagetes erecta</i> L.
P210	Ritu	Improving seed germination and seedling growth of 'Haak saag' through seed biopriming
P211	Mahesh Kumar	Phenotypic discrimination between mungbean genotypes differing in growth rates per unit of water
P212	Hrishikesh Mahato	Regulation of SIERF36-mediated developmental transitions in tomato through co-repressor- HDAC interactions
P213	Chandan Roy	Dissecting the role of r40g3-GF14e-EG45 module in regulating salt tolerance response in rice
P214	Asthma Sultana	Fine tuning the responses of stress in planta- GSH as master regulator
P215	Sarvesh Jonwal	Investigation of the role of mitogen activated protein kinase cascade in regulating photosynthesis in rice
P216	Abhideep Pal	Identification of a MYC2 interacting protein in <i>Arabidopsis</i>
P217	Riya Basu	Identification of a novel interacting partner of calmodulin 7

P218	Misha Kumari	Deciphering the role of DORN1 and CNGC19 mediated regulation of Ca ²⁺ signaling in plant defense against insect herbivory
P219	Sumanta Mohapatra	Theaflavins induce unfolded protein response and programmed cell death in <i>Arabidopsis thaliana</i>
P220	Anjali Shailani	Dissecting out the complex interectome among the two-component system (TCS) proteins in rice operative under salinity stress
P221	Yeddula N. Reddy	MOF doped hydrogel composite for pH responsive antimicrobial photodynamic therapy
P222	Poonam Ray	Novel and eco-friendly fungicide composed of nanocarriers and dsRNA to target powdery mildew, a fungal disease of pea
P223	Shubham Joshi	Next-generation sequencing (NGS) provide insight into the role of gold nanoparticles in eliciting <i>in vitro</i> micro propagation of <i>Nardostachys jatamansi</i>
P224	Anita Kumari	Transcriptome analysis reveals the synergistic effect of gold nanoparticles with plant growth regulators on in vitro proliferation of bamboo species
P225	Aishwarya Singh	Micro-composite prepared by blending enzyme and metal: A sustainable biocatalyst for the synthesis of rare sugars L-ribose and D-talose
P226	Sivakumar Rathinavelu	Effect of CCC with potassium and boron on physiological traits, partitioning and yield of litle millet
P227	Bandana K. Sahu	Eco-friendly urea nanosack: Jute grafted silica nanoring woven fertilizer to control urea release and enhance crop productivity
P228	Jayeeta Bhaumik	Development of metal oxide nanoconjugates for dual light assisted antimicrobial photodynamic therapy (APDT)
P229	M. Djanaguiraman	Cerium nanoparticles improves drought tolerance of sorghum
P230	N. Sritharan	Auxin and salicylic acid nanoformulations enhances antioxidant system in tomato under drought stress
P231	V. Ravichandran	Physiological dissection of defoliation at boll maturity in cotton
P232	Meghna Patial	Establishment of an in vitro protocol for indirect shoot regeneration and plantlet generation in <i>Ferrula assa-foetida</i> (Hing)
P233	Kiran S. Mawale	Effect of nanoparticles on physiological, biochemical parameters and pungency metabolites of <i>Capsicum annuum</i>
P234	Neha Chaurasiya	Designing and construction of FRET-based nanosensor for real time monitoring of H ₂ O ₂

P235	Shyna Bhalla	Silicon and arbuscular mycorrhizal fungi have the ability to alleviate arsenic stress in pigeonpea (<i>Cajanus cajan</i> L. Millsp.) by strengthening antioxidant defense mechanisms
P236	Mahima Chandel	Nanocatalytic interface to decode the phytovolatile language for latent crop diagnosis in future farms
P237	Modhana V	Plant neurotransmitter mediated stress amelioration operates through distinct hormonal and redox homeostasis pathways in rice
P238	Kanika Thakur	Role of silicon and arbuscular mycorrhiza in modulating growth, trehalose metabolism and nutrient acquisition in seasonally different legumes under nickel stress.
P239	Rachana Bagudam	Influence of elevated CO ₂ on the haulm and kernel nutritional quality of groundnut (<i>Arachis hypogaea</i> L.)
P240	Ravi Kumar	Variation in essential oil composition among the different accession of <i>Ferula assa-foetida</i> L.
P241	P. Boominathan	Physiological response of contrasting rice varieties differing in salinity tolerance to foliar applied plant growth regulators
P242	Aniruddha P. Sane	SIERF8 expression alters reproductive processes and fruit development and ripening in tomato
P243	Atheesh O S	Application of seaweed extracts on <i>Withania somnifera</i> : Effects on growth, biochemical changes and withanolide biosynthesis
P244	Kanika	Aeroponic farming of <i>Picrorhiza kurroa</i> (Kutki) for metabolite-enriched quality plant biomass production
P245	Subham Meher	Biotechnological intervention in scented rice of north-east India for yield improvement
P246	Asish K. Padhy	Integrated approach involving GWAS and biparental QTL mapping identifies the genes governing seed size and seed weight in lentil
P247	Parvathi M S	Distinct source-sink dynamics drive differential responses to various stress ameliorant combinations under higher than ambient temperatures in rice
P248	Maloti Hembram	Antisense suppression of the Gibberellin signalling pathway gene, RGL3 to modulate seed size in <i>Brassica juncea</i> (Indian Mustard)
P249	Rakesh K. Achary	PIMT and HSF- The combating role against seed aging
P250	Pinky Agarwal	Comparative temporal cytological and transcriptome of rice seed development indicates factors contributing to grain size
P251	Kumari Divyanshu	Effectiveness of <i>Pseudomonas</i> and <i>Alcaligenes</i> spp. on yield, lignin deposition of barley and LCMS analysis of barley grain.
P252	Vijay Gahlaut	Multi-locus GWAS for yield and its contributing traits under rain-fed conditions in common wheat (<i>Triticum aestivum</i> L.)

P253	Aditi Bisht	Role of AMF species in improving yielding potential of Cd-stressed pigeon pea plants by modulating photosynthetic attributes and sucrose-starch metabolism
P254	Yogesh Sharma	Designer alleles: Structure guided variant generation for crop improvement
P255	Prakhar	Target of rapamycin kinase coordinates plant growth and development under phosphate deficiency
P256	Babythoithoi Sairem	SIMYB53 alters primary root development under gibberellin limiting condition in tomato
P257	Vidhu A. Sane	Tomato MYBHTH coordinates cross-talk between auxin and ethylene signaling during primary and lateral root development in tomato
P258	Aniruddha P. Sane	RbWRKY70 and its homologue AtWRKY70 regulate abscission through an interaction between the ethylene and salicylic acid pathways
P259	Shivam Sharma	OsTFIIB, a general transcription factor, mediates growth and development in rice
P260	Naveen Kumar	Unravelling the role of 9-cis epoxycarotenoid dioxygenase (NCED) gene family in banana fruit ripening
P261	Roni Chaudhary	Characterization of WUSCHEL-related homeobox (WOX) genes for their roles in somatic embryogenesis, growth and abiotic stresses in banana
P262	Antima Yadav	A putative miRNA-target module controlling rice grain size
P263	Diksha Kalia	Transcriptional network underlying flowering regulation in Saffron (<i>Crocus sativus</i> L.)
P264	Tanvi Sharma	A bZIP transcription factor from <i>Picrorhiza kurrooa</i> modulates the expression of terpenoid biosynthesis genes in <i>Nicotiana benthamiana</i>
P265	Joel Jose-Sanathi	Understanding environmental and molecular control of corm development in saffron (<i>Crocus sativus</i> L.)
P266	Firdous R. Sheikh	Sugar metabolism mediates temperature-dependent flowering induction in saffron (<i>Crocus sativus</i> L.)
P267	Rumi Rumi	A study on role of OsJAZs in development and abiotic stress response in rice
P268	Aswathi P V	TF46 - A transcription factor regulating rice grain development
P269	Pallabi Thakur	Mediator subunit MED14 plays a crucial role in the regulation of ROS triggered DNA damage in <i>Arabidopsis</i> root
P270	Krishna G.K.	Characterisation of MYB family transcription factor gene MULTIPASS3, that attenuates root growth under drought stress
P271	Ankita Prusty	Functional analysis of OsMED14_2 involved in seed development in rice

P272	Uzma Khatoon	Towards the dissection of transcriptional regulatory network: a window into endosperm- driven seed development
P273	Aishwarye Sharma	SCF-OsFBK1 E3 ligase mediates jasmonic acid induced turn-over of OsATL53 and OsCCR14 to regulate rice anther and root lignification
P274	Farhanur Rahman	Identification of anther specific genes for hybrid development in sorghum
P275	Manisha Yadav	Understanding the labyrinth of TF CabHLH mediated root nodule development in chickpea (<i>Cicer arietinum</i> L.)
P276	P. Mavadiya	Developmental roles of tomato ACL5 genes in plants
P277	K. Tandel	Characterization of tomato SolycMC1 gene in plants
P278	Prakshi Aneja	Unravelling the genetic determinants of leaf growth in the third-dimension
P279	Subhash R. Gaddam	Role of HY5 in prolonged vegetative phase and leaf development through regulation of miR156d-SPLs module in <i>Arabidopsis thaliana</i>
P280	Rajesh Kumar Singh	Understanding saffron development and growth adaptation: Deciphering molecular mechanism regulating its flowering and corm development
P281	Himanshi Sharma	GQS helicases as a potential regulator of root growth by modulating apo-plastic Ca ion concentration
P282	BM Minhajuddin	Characterization of tapetum specific promoter, TA29 from <i>Nicotiana tabaccum</i> using linker scanning mutagenesis.
P283	Yashika Gaba	Loss of function of MEL1 gene induces sterility in rice via regulating novel miRNAs
P284	Ashutosh K. Singh	Taxonomic and functional profiling of the himalayan tsomgo cold lake using metagenomics and unveiling its deterzome potential
P285	Kamal K. Malukani	Transcriptome meta-analysis reveals novel defense-related genes and the role of translation regulation in rice-xanthomonas interaction