3.4.7 BiblioMetrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index (13)

Title of the paper	Name of the author	Title of the journal	Year of publi-cation	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Prof. A.K. Tyagi						
Genetic dissection of plant growth habit in chickpea	Upadhyaya H.D., Bajaj D., Srivastava R., Daware A., Basu U., Tripathi S., Bharadwaj C., Tyagi A.K., Parida S.K.	Functional and Integrative Genomics	2017	0	National Institute for Plant Genome Research India, Delhi	0
Identifying Transcription Factor Genes Associated with Yield Traits in Chickpea	Shimray P.W., Bajaj D., Srivastava R., Daware A., Upadhyaya H.D., Kumar R., Bharadwaj C., Tyagi A.K., Parida S.K.	Plant Molecular Biology Reporter	2017	0	National Institute for Plant Genome Research India, Delhi	0
Emerging functions of multi-protein complex Mediator with special emphasis on plants	Malik N., Agarwal P., Tyagi A.	Critical Reviews in Biochemistry and Molecular Biology	2017	0	National Institute for Plant Genome Research India, Delhi	0
A multiple QTL-Seq strategy delineates potential genomic loci governing flowering time in chickpea	Srivastava R., Upadhyaya H.D., Kumar R., Daware A., Basu U., Shimray P.W., Tripathi S., Bharadwaj C., Tyagi A.K., Parida S.K.	Frontiers in Plant Science	2017	0	National Institute for Plant Genome Research India, Delhi	0
Regional association analysis of metaQTLs delineates candidate grain size genes in rice	Daware A.V., Srivastava R., Singh A.K., Parida S.K., Tyagi A.K.	Frontiers in Plant Science	2017	0	National Institute for Plant Genome Research India, Delhi	0
BHLH142 regulates various metabolic pathway-related genes to affect pollen development and anther dehiscence in rice	Ranjan R., Khurana R., Malik N., Badoni S., Parida S.K., Kapoor S., Tyagi A.K.	Scientific Reports	2017	1	National Institute for Plant Genome Research India, Delhi	1
Rice Improvement Through Genome-Based Functional Analysis and Molecular Breeding in India	Agarwal P., Parida S.K., Raghuvanshi S., Kapoor S., Khurana P., Khurana J.P., Tyagi A.K.	Rice	2016	6	University of Delhi, South Campus	5
An efficient strategy combining SSR markers-and advanced QTL-seq-driven QTL mapping unravels candidate genes regulating grain weight in rice	Daware A., Das S., Srivastava R., Badoni S., Singh A.K., Agarwal P., Parida S.K., Tyagi A.K.	Frontiers in Plant Science	2016	0	University of Delhi, South Campus	0
Rice stress associated protein 1 (OsSAP1) interacts with aminotransferase (OsAMTR1) and pathogenesis-related 1a protein (OsSCP) and regulates abiotic stress responses	Kothari K.S., Dansana P.K., Giri J., Tyagi A.K.	Frontiers in Plant Science	2016	5	University of Delhi, South Campus	5
Identification of candidate genes and natural allelic variants for QTLs governing plant height in chickpea	Kujur A., Upadhyaya H.D., Bajaj D., Gowda C.L.L., Sharma S., Tyagi A.K., Parida S.K.	Scientific Reports	2016	7	National Institute for Plant Genome Research India, Delhi	5
Eco TILLING-based association mapping efficiently delineates functionally relevant natural allelic variants of candidate genes governing agronomic traits in chickpea	Bajaj D., Srivastava R., Nath M., Tripathi S., Bharadwaj C., Upadhyaya H.D., Tyagi A.K., Parida S.K.	Frontiers in Plant Science	2016	6	National Institute for Plant Genome Research India, Delhi	4
Genetic dissection of seed-iron and zinc concentrations in chickpea	Upadhyaya H.D., Bajaj D., Das S., Kumar V., Gowda C.L.L., Sharma S., Tyagi A.K., Parida S.K.	Scientific Reports	2016	7	National Institute for Plant Genome Research India, Delhi	3
Genome-wide generation and use of informative intron-spanning and intron-length polymorphism markers for high-throughput genetic analysis in rice	Badoni S., Das S., Sayal Y.K., Gopalakrishnan S., Singh A.K., Rao A.R., Agarwal P., Parida S.K., Tyagi A.K.	Scientific Reports	2016	4	University of Delhi, South Campus	3
Genome-wide scans for delineation of candidate genes regulating seed-protein content in chickpea	Upadhyaya H.D., Bajaj D., Narnoliya L., Das S., Kumar V., Gowda C.L.L., Sharma S., Tyagi A.K., Parida S.K.	Frontiers in Plant Science	2016	4	National Institute for Plant Genome Research India, Delhi	2
An Integrated Genomic Strategy Delineates Candidate Mediator Genes Regulating Grain Size and Weight in Rice	Malik N., Dwivedi N., Singh A.K., Parida S.K., Agarwal P., Thakur J.K., Tyagi A.K.	Scientific Reports	2016	4	University of Delhi, South Campus	2
Identification of candidate genes for dissecting complex branch number trait in chickpea	Bajaj D., Upadhyaya H.D., Das S., Kumar V., Gowda C.L.L., Sharma S., Tyagi A.K., Parida S.K.	Plant Science	2016	5	National Institute for Plant Genome Research India, Delhi	2
Genomic Survey, Gene Expression, and Interaction Analysis Suggest Diverse Roles of ARF and Aux/IAA Proteins in Solanaceae	Kumar R., Agarwal P., Pareek A., Tyagi A.K., Sharma A.K.	Plant Molecular Biology Reporter	2015	4	University of Delhi, South Campus	3
High density linkage mapping of genomic and transcriptomic SNPs for synteny analysis and anchoring the genome sequence of chickpea	Gaur R., Jeena G., Shah N., Gupta S., Pradhan S., Tyagi A.K., Jain M., Chattopadhyay D., Bhatia S.	Scientific Reports	2015	6	University of Delhi, South Campus	5
An advanced draft genome assembly of a Desi type chickpea (Cicer arietinum L.)	Parween S., Nawaz K., Roy R., Pole A.K., Venkata Suresh B., Misra G., Jain M., Yadav G., Parida S.K., Tyagi A.K., Bhatia S., Chattopadhyay D.	Scientific Reports	2015	24	University of Delhi, South Campus	12
MQTL-seq delineates functionally relevant candidate gene harbouring a major QTL regulating pod number in chickpea	Das S., Singh M., Srivastava R., Bajaj D., Saxena M.S., Rana J.C., Bansal K.C., Tyagi A.K., Parida S.K.	DNA Research	2015	11	National Institute for Plant Genome Research India, Delhi	3

Rice OsiSAP7 negatively regulates ABA stress signalling and imparts sensitivity to water-deficit stress in Arabidopsis	Sharma G., Giri J., Tyagi A.K.	Plant science : an international journal of experimental plant biology	2015	6	University of Delhi, South Campus	4
Rice OsiSAP7 negatively regulates ABA stress signalling and imparts sensitivity to water-deficit stress in Arabidopsis	Sharma G., Giri J., Tyagi A.K.	Plant Science	2015	0	University of Delhi, South Campus	0
Genome-wide high-throughput SNP discovery and genotyping for understanding natural (functional) allelic diversity and domestication patterns in wild chickpea	Bajaj D., Das S., Badoni S., Kumar V., Singh M., Bansal K.C., Tyagi A.K., Parida S.K.	Scientific Reports	2015	23	National Institute for Plant Genome Research India, Delhi	13
Identification of novel SNP in promoter sequence of TaGW2-6A associated with grain weight and other agronomic traits in wheat (Triticum aestivum L.)	Jaiswal V., Gahlaut V., Mathur S., Agarwal P., Khandelwal M.K., Khurana J.P., Tyagi A.K., Balyan H.S., Gupta P.K.	PLoS ONE	2015	8	University of Delhi, South Campus	8
A genome-wide SNP scan accelerates trait-regulatory genomic loci identification in chickpea	Kujur A., Bajaj D., Upadhyaya H.D., Das S., Ranjan R., Shree T., Saxena M.S., Badoni S., Kumar V., Tripathi S., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	Scientific Reports	2015	26	National Institute for Plant Genome Research India, Delhi	9
Association of novel SNPs in the candidate genes affecting caprine milk fatty acids related to human health	Dixit S.P., Sivalingam J., Tyagi A.K., Saroha V., Sharma A., Nagda R.K.	Meta Gene	2015	2	University of Delhi, South Campus	2
Genome-wide insertion-deletion (InDel) marker discovery and genotyping for genomics-assisted breeding applications in chickpea	Das S., Upadhyaya H.D., Srivastava R., Bajaj D., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	DNA Research	2015	9	University of Delhi, South Campus	6
Ultra-high density intra-specific genetic linkage maps accelerate identification of functionally relevant molecular tags governing important agronomic traits in chickpea	Kujur A., Upadhyaya H.D., Shree T., Bajaj D., Das S., Saxena M.S., Badoni S., Kumar V., Tripathi S., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	Scientific Reports	2015	27	National Institute for Plant Genome Research India, Delhi	14
OsTCP19 influences developmental and abiotic stress signaling by modulating ABI4-mediated pathways	Mukhopadhyay P., Tyagi A.K.	Scientific Reports	2015	13	University of Delhi, South Campus	10
Reply to '"mycobacterium indicus pranii" is a strain of mycobacterium intracellulare': "m. Indicus pranii" is a distinct strain, not derived from m. intracellulare, and is an organism at an evolutionary transition point between a fast grower and slow grower	Rahman S.A., Singh Y., Kohli S., Ahmad J., Ehtesham N.Z., Tyagi A.K., Hasnain S.E.	mBio	2015	1	University of Delhi, South Campus	1
Employing genome-wide SNP discovery and genotyping strategy to extrapolate the natural allelic diversity and domestication patterns in chickpea	Kujur A., Bajaj D., Upadhyaya H.D., Das S., Ranjan R., Shree T., Saxena M.S., Badoni S., Kumar V., Tripathi S., Gowda C.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	Frontiers in Plant Science	2015	31	National Institute for Plant Genome Research India, Delhi	11
A combinatorial approach of comprehensive QTL-based comparative genome mapping and transcript profiling identified a seed weight-regulating candidate gene in chickpea	Bajaj D., Upadhyaya H.D., Khan Y., Das S., Badoni S., Shree T., Kumar V., Tripathi S., Gowda C.L.L., Singh S., Sharma S., Tyagi A.K., Chattopdhyay D., Parida S.K.	Scientific Reports	2015	13	National Institute for Plant Genome Research India, Delhi	2
Genome-wide conserved non-coding microsatellite (CNMS) marker-based integrative genetical genomics for quantitative dissection of seed weight in chickpea	Bajaj D., Saxena M.S., Kujur A., Das S., Badoni S., Tripathi S., Upadhyaya H.D., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	Journal of Experimental Botany	2015	22	National Institute for Plant Genome Research India, Delhi	4
Stage-specific reprogramming of gene expression characterizes Lr48-mediated adult plant leaf rust resistance in wheat	Dhariwal R., Gahlaut V., Govindraj B.R., Singh D., Mathur S., Vyas S., Bandopadhyay R., Khurana J.P., Tyagi A.K., Prabhu K.V., Mukhopadhyay K., Balyan H.S., Gupta P.K.	Functional and Integrative Genomics	2015	3	University of Delhi, South Campus	2
A genome-wide combinatorial strategy dissects complex genetic architecture of seed coat color in chickpea	Bajaj D., Das S., Upadhyaya H.D., Ranjan R., Badoni S., Kumar V., Tripathi S., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	Frontiers in Plant Science	2015	7	National Institute for Plant Genome Research India, Delhi	3
A genome-scale integrated approach aids in genetic dissection of complex flowering time trait in chickpea	Upadhyaya H.D., Bajaj D., Das S., Saxena M.S., Badoni S., Kumar V., Tripathi S., Gowda C.L.L., Sharma S., Tyagi A.K., Parida S.K.	Plant Molecular Biology	2015	13	University of Delhi, South Campus	7
Deploying QTL-seq for rapid delineation of a potential candidate gene underlying major trait-associated QTL in chickpea	Das S., Upadhyaya H.D., Bajaj D., Kujur A., Badoni S., Laxmi, Kumar V., Tripathi S., Gowda C.L.L., Sharma S., Singh S., Tyagi A.K., Parida S.K.	DNA Research	2014	29	National Institute for Plant Genome Research India, Delhi	20

Rice SAPs are responsive to multiple biotic stresses and overexpression of OsSAP1, an A20/AN1 zinc-finger protein, enhances the basal resistance against pathogen infection in tobacco	Tyagi H., Jha S., Sharma M., Giri J., Tyagi A.K.	Plant Science	2014	11	University of Delhi, South Campus	8
Genome-wide expressional and functional analysis of calcium transport elements during abiotic stress and development in rice	Singh A., Kanwar P., Yadav A.K., Mishra M., Jha S.K., Baranwal V., Pandey A., Kapoor S., Tyagi A.K., Pandey G.K.	FEBS Journal	2014	14	University of Delhi, South Campus	10
Manually curated database of rice proteins	Gour P., Garg P., Jain R., Joseph S.V., Tyagi A.K., Raghuvanshi S.	Nucleic Acids Research	2014	13	University of Delhi, South Campus	8
A multi-step phosphorelay two-component system impacts on tolerance against dehydration stress in common wheat	Gahlaut V., Mathur S., Dhariwal R., Khurana J.P., Tyagi A.K., Balyan H.S., Gupta P.K.	Functional and Integrative Genomics	2014	5	University of Delhi, South Campus	4
OsiSAP1 overexpression improves water-deficit stress tolerance in transgenic rice by affecting expression of endogenous stress-related genes	Dansana P.K., Kothari K.S., Vij S., Tyagi A.K.	Plant Cell Reports	2014	17	University of Delhi, South Campus	14
The chickpea genomic web resource: Visualization and analysis of the desi-type Cicer arietinum nuclear genome for comparative exploration of legumes	Misra G., Priya P., Bandhiwal N., Bareja N., Jain M., Bhatia S., Chattopadhyay D., Tyagi A.K., Yadav G.	BMC Plant Biology	2014	3	University of Delhi, South Campus	2
Expanding frontiers in plant transcriptomics in aid of functional genomics and molecular breeding	Agarwal P., Parida S.K., Mahto A., Das S., Mathew I.E., Malik N., Tyagi A.K.	Biotechnology Journal	2014	11	University of Delhi, South Campus	9
Comprehensive expression analysis of rice armadillo gene family during abiotic stress and development	Sharma M., Singh A., Shankar A., Pandey A., Baranwal V., Kapoor S., Tyagi A.K., Pandey G.K.	DNA Research	2014	14	University of Delhi, South Campus	9
Genome wide characterization of hsp 100 family genes from pigeonpea	Danekar P., Tyagi A., Mahto A., Krishna K.G., Singh A., Raje R.S., Gaikwad K., Singh N.K.	Indian Journal of Genetics and Plant Breeding	2014	0	University of Delhi, South Campus	0
An integrated genomic approach for rapid delineation of candidate genes regulating agro-morphological traits in chickpea	Saxena M.S., Bajaj D., Das S., Kujur A., Kumar V., Singh M., Bansal K.C., Tyagi A.K., Parida S.K.	DNA Research	2014	34	National Institute for Plant Genome Research India, Delhi	8
Natural allelic diversity, genetic structure and linkage disequilibrium pattern in wild chickpea	Saxena M.S., Bajaj D., Kujur A., Das S., Badoni S., Kumar V., Singh M., Bansal K.C., Tyagi A.K., Parida S.K.	PLoS ONE	2014	24	University of Delhi, South Campus	4
An efficient and cost-effective approach for genic microsatellite marker-based large-scale trait association mapping: Identification of candidate genes for seed weight in chickpea	Kujur A., Bajaj D., Saxena M.S., Tripathi S., Upadhyaya H.D., Gowda C.L.L., Singh S., Tyagi A.K., Jain M., Parida S.K.	Molecular Breeding	2014	26	University of Delhi, South Campus	3
SAPs as novel regulators of abiotic stress response in plants	Giri J., Dansana P.K., Kothari K.S., Sharma G., Vij S., Tyagi A.K.	BioEssays	2013	20	University of Delhi, South Campus	14
A draft genome sequence of the pulse crop chickpea (Cicer arietinum L.)	Jain M., Misra G., Patel R.K., Priya P., Jhanwar S., Khan A.W., Shah N., Singh V.K., Garg R., Jeena G., Yadav M., Kant C., Sharma P., Yadav G., Bhatia S., Tyagi A.K., Chattopadhyay D.	Plant Journal	2013	153	University of Delhi, South Campus	110
Comprehensive Genomic Analysis and Expression Profiling of Phospholipase C Gene Family during Abiotic Stresses and Development in Rice	Singh A., Kanwar P., Pandey A., Tyagi A.K., Sopory S.K., Kapoor S., Pandey G.K.	PLoS ONE	2013	18	University of Delhi, South Campus	13
Spatial and temporal activity of upstream regulatory regions of rice anther-specific genes in transgenic rice and Arabidopsis	Khurana R., Kapoor S., Tyagi A.K.	Transgenic Research	2013	15	University of Delhi, South Campus	12
A 286 bp upstream regulatory region of a rice anther-specific gene, OSIPP3, confers pollen-specific expression in Arabidopsis	Khurana R., Kathuria H., Mukhopadhyay A., Kapoor S., Tyagi A.K.	Biotechnology Letters	2013	18	University of Delhi, South Campus	8
Functionally relevant microsatellite markers from chickpea transcription factor genes for efficient genotyping applications and trait association mapping	Kujur A., Bajaj D., Saxena M.S., Tripathi S., Upadhyaya H.D., Gowda C.L.L., Singh S., Jain M., Tyagi A.K., Parida S.K.	DNA Research	2013	59	University of Delhi, South Campus	17
Comparative Analysis of Kabuli Chickpea Transcriptome with Desi and Wild Chickpea Provides a Rich Resource for Development of Functional Markers	Agarwal G., Jhanwar S., Priya P., Singh V.K., Saxena M.S., Parida S.K., Garg R., Tyagi A.K., Jain M.	PLoS ONE	2012	65	University of Delhi, South Campus	35
High-throughput SNP discovery and genotyping for constructing a saturated linkage map of chickpea (Cicer arietinum L.)	Gaur R., Azam S., Jeena G., Khan A.W., Choudhary S., Jain M., Yadav G., Tyagi A.K., Chattopadhyay D., Bhatia S.	DNA Research	2012	80	University of Delhi, South Campus	59
Anthology of Anther/Pollen-Specific Promoters and Transcription Factors	Khurana R., Kapoor S., Tyagi A.K.	Critical Reviews in Plant Sciences	2012	13	University of Delhi, South Campus	10
Transcriptome sequencing of wild chickpea as a rich resource for marker development	Jhanwar S., Priya P., Garg R., Parida S.K., Tyagi A.K., Jain M.	Plant Biotechnology Journal	2012	70	University of Delhi, South Campus	34

Expression dynamics of metabolic and regulatory components across stages of panicle and seed development in indica rice	Sharma R., Agarwal P., Ray S., Deveshwar P., Sharma P., Sharma N., Nijhawan A., Jain M., Singh A.K., Singh V.P., Khurana J.P., Tyagi A.K., Kapoor S.	Functional and Integrative Genomics	2012	22	University of Delhi, South Campus	16
Development of SSR markers and construction of a linkage map in jute	Das M., Banerjee S., Dhariwal R., Vyas S., Mir R.R., Topdar N., Kundu A., Khurana J.P., Tyagi A.K., Sarkar D., Sinha M.K., Balyan H.S., Gupta P.K.	Journal of Genetics	2012	20	University of Delhi, South Campus	17
Analysis of transcriptional and upstream regulatory sequence activity of two environmental stress-inducible genes, NBS-Str1 and BLEC-Str8, of rice	Ray S., Kapoor S., Tyagi A.K.	Transgenic Research	2012	6	University of Delhi, South Campus	4
Genome-wide investigation and expression analysis suggest diverse roles of auxin-responsive GH3 genes during development and response to different stimuli in tomato (Solanum lycopersicum)	Kumar R., Agarwal P., Tyagi A.K., Sharma A.K.	Molecular Genetics and Genomics	2012	47	University of Delhi, South Campus	41
Transcriptome analysis of rin mutant fruit and in silico analysis of promoters of differentially regulated genes provides insight into LeMADS-RIN-regulated ethylene-dependent as well as ethylene-independent aspects of ripening in tomato	Kumar R., Sharma M.K., Kapoor S., Tyagi A.K., Sharma A.K.	Molecular Genetics and Genomics	2012	27	University of Delhi, South Campus	21
Microarray analysis reveals overlapping and specific transcriptional responses to different plant hormones in rice.	Garg R., Tyagi A.K., Jain M.	Plant signaling & behavior	2012	18	National Institute for Plant Genome Research India, Delhi	18
The tomato genome sequence provides insights into fleshy fruit evolution	Sato S., Tabata S., Hirakawa H., Asamizu E., Shirasawa K., Isobe S., Kaneko T., Nakamura Y., Shibata D., Aoki K., Egholm M., Knight J., Bogden R., Li C., Shuang Y., Xu X., Pan S., Cheng S., Liu X., Ren Y., Wang J., Albiero A., Dal Pero F., Todesco S., Van Eck J., Buels R.M., Bombarely A., Gosselin J.R., Huang M., Leto J.A., Menda N., Strickler S., Mao L., Gao S., Tecle I.Y., York T., Zheng Y., Vrebalov J.T., Lee J., Zhong S., Mueller L.A., Stiekema W.J., Ribeca P., Alioto T., Yang W., Huang S., Du Y., Zhang Z., Gao J., Guo Y., Wang X., Li Y., He J., Li C., Cheng Z., Zuo J., Ren J., Zhao J., Yan L., Jiang H., Wang B., Li H., Li Z., Fu F., Chen B., Han B., Feng Q., Fan D., Wang Y., Ling H., Xue Y., Ware D., Richard McCombie W., Lippman Z.B., Chia J.-M., Jiang K., Pasternak S., Gelley L., Kramer M., Anderson L.K., Chang S.-B., Royer S.M., Shearer L.A., Stack	Nature	2012	1128	University of Delhi, South Campus	798
Prof. J. P. Khurana						
Gene encoding vesicle-associated membrane protein-associated protein from Triticum aestivum (TaVAP) confers tolerance to drought stress	Singh B., Khurana P., Khurana J.P., Singh P.	Cell Stress and Chaperones	2017	0	University of Delhi, South Campus	0
Emerging Roles and New Paradigms in Signaling Mechanisms of Plant Cryptochromes	Mishra S., Khurana J.P.	Critical Reviews in Plant Sciences	2017	0	University of Delhi, South Campus	0
Analysis of drought-responsive signalling network in two contrasting rice cultivars using transcriptome-based approach	Borah P., Sharma E., Kaur A., Chandel G., Mohapatra T., Kapoor S., Khurana J.P.	Scientific Reports	2017	1	University of Delhi, South Campus	1
Molecular and functional characterization of GR2-R1 event based backcross derived lines of golden rice in the genetic background of a mega rice variety Swarna	Bollinedi H., Gopala Krishnan S., Prabhu K.V., Singh N.K., Mishra S., Khurana J.P., Singh A.K.	PLoS ONE	2017	1	University of Delhi, South Campus	1
Rice Improvement Through Genome-Based Functional Analysis and Molecular Breeding in India	Agarwal P., Parida S.K., Raghuvanshi S., Kapoor S., Khurana P., Khurana J.P., Tyagi A.K.	Rice	2016	6	University of Delhi, South Campus	5
Wheat Brassinosteroid-Insensitive1 (TaBRI1) interacts with members of TaSERK gene family and cause early flowering and seed yield enhancement in arabidopsis	Singh A., Breja P., Khurana J.P., Khurana P.	PLoS ONE	2016	2	University of Delhi, South Campus	1
A pathogenesis related-10 protein CaARP functions as aldo/keto reductase to scavenge cytotoxic aldehydes	Jain D., Khandal H., Khurana J.P., Chattopadhyay D.	Plant Molecular Biology	2016	1	University of Delhi, South Campus	1

Arsenic rich Himalayan hot spring metagenomics reveal genetically novel predator-prey genotypes	Sangwan N., Lambert C., Sharma A., Gupta V., Khurana P., Khurana J.P., Sockett R.E., Gilbert J.A., Lal R.	Environmental Microbiology Reports	2015	12	University of Delhi, South Campus	7
Identification of novel SNP in promoter sequence of TaGW2-6A associated with grain weight and other agronomic traits in wheat (Triticum aestivum L.)	Jaiswal V., Gahlaut V., Mathur S., Agarwal P., Khandelwal M.K., Khurana J.P., Tyagi A.K., Balyan H.S., Gupta P.K.	PLoS ONE	2015	8	University of Delhi, South Campus	8
Pan-genome dynamics of Pseudomonas gene complements enriched across hexachlorocyclohexane dumpsite	Sharma A., Sangwan N., Negi V., Kohli P., Khurana J.P., Rao D.L.N., Lal R.	BMC Genomics	2015	4	University of Delhi, South Campus	1
Emerging roles of auxin in abiotic stress responses	Sharma E., Sharma R., Borah P., Jain M., Khurana J.P.	Elucidation of Abiotic Stress Signaling in Plants: Functional Genomics Perspectives	2015	6	University of Delhi, South Campus	4
Identification of a diverse mini-core panel of Indian rice germplasm based on genotyping using microsatellite markers	Tiwari K.K., Singh A., Pattnaik S., Sandhu M., Kaur S., Jain S., Tiwari S., Mehrotra S., Anumalla M., Samal R., Bhardwaj J., Dubey N., Sahu V., Kharshing G.A., Zeliang P.K., Sreenivasan K., Kumar P., Parida S.K., Mithra S.V.A., Rai V., Tyagi W., Agrawal P.K., Rao A.R., Pattanayak A., Chandel G., Singh A.K., Bisht I.S., Bhat K.V., Rao G.J.N., Khurana J.P., Singh N.K., Mohapatra T.	Plant Breeding	2015	11	University of Delhi, South Campus	2
The duckweed Wolffia microscopica: A unique aquatic monocot	Sree K.S., Maheshwari S.C., Boka K., Khurana J.P., Keresztes A., Appenroth K.-J.	Flora: Morphology, Distribution, Functional Ecology of Plants	2015	8	University of Delhi, South Campus	2
Genome-wide association mapping of salinity tolerance in rice (Oryza sativa)	Kumar V., Singh A., Mithra S.V.A., Krishnamurthy S.L., Parida S.K., Jain S., Tiwari K.K., Kumar P., Rao A.R., Sharma S.K., Khurana J.P., Singh N.K., Mohapatra T.	DNA Research	2015	57	University of Delhi, South Campus	39
Stage-specific reprogramming of gene expression characterizes Lr48-mediated adult plant leaf rust resistance in wheat	Dhariwal R., Gahlaut V., Govindraj B.R., Singh D., Mathur S., Vyas S., Bandopadhyay R., Khurana J.P., Tyagi A.K., Prabhu K.V., Mukhopadhyay K., Balyan H.S., Gupta P.K.	Functional and Integrative Genomics	2015	3	University of Delhi, South Campus	2
Comparative genomic analysis of nine Sphingobium strains: Insights into their evolution and hexachlorocyclohexane (HCH) degradation pathways	Verma H., Kumar R., Oldach P., Sangwan N., Khurana J.P., Gilbert J.A., Lal R.	BMC Genomics	2014	11	University of Delhi, South Campus	8
Cryptochrome 1 regulates growth and development in Brassica through alteration in the expression of genes involved in light, phytohormone and stress signalling	Sharma P., Chatterjee M., Burman N., Khurana J.P.	Plant, Cell and Environment	2014	9	University of Delhi, South Campus	8
Reconstructing an ancestral genotype of two hexachlorocyclohexane-degrading Sphingobium species using metagenomic sequence data	Sangwan N., Verma H., Kumar R., Negi V., Lax S., Khurana P., Khurana J.P., Gilbert J.A., Lal R.	ISME Journal	2014	17	University of Delhi, South Campus	7

A chromosome-based draft sequence of the hexaploid bread wheat (Triticum aestivum) genome	Lukaszewski A.J., Alberti A., Sharpe A., Kilian A., Stanca A.M., Keller B., Clavijo B.J., Friebe B., Gill B., Wulff B., Chapman B., Steuernagel B., Feuillet C., Viseux C., Pozniak C., Rokhsar D.S., Klassen D., Edwards D., Akhunov E., Paux E., Alfama F., Choulet F., Kobayashi F., Muehlbauer G.J., Quesneville H., Simkova H., Rimbert H., Gundlach H., Budak H., Sakai H., Handa H., Kanamori H., Batley J., Vrana J., Rogers J., Cihalikova J., Dolezel J., Chapman J., Poland J.A., Wu J., Khurana J., Wright J., Bader K.C., Eversole K., Barry K., McLay K., Mayer K.F.X., Singh K., Clissold L., Pingault L., Couderc L., Cattivelli L., Spannagl M., Kubalakova M., Caccamo M., Mascher M., Bellgard M., Pfeifer M., Zytnicki M., Febrer M., Alaux M., Martis M.M., Loaec M., Colaiacovo M., Singh N.K., Glover N., Guilhot N., Stein N., Olsen O.-A., Maclachlan P.R., Chhuneja P., Wincker	Science	2014	300	University of Delhi, South Campus	223
A multi-step phosphorelay two-component system impacts on tolerance against dehydration stress in common wheat	Gahlaut V., Mathur S., Dhariwal R., Khurana J.P., Tyagi A.K., Balyan H.S., Gupta P.K.	Functional and Integrative Genomics	2014	5	University of Delhi, South Campus	4
Marker assisted biofortification of rice with pro-vitamin A using transgenic Golden Rice® lines: Progress and prospects	Bollineni H., Gopala Krishnan S., Sundaram R.M., Sudhakar D., Prabhu K.V., Singh N.K., Pal M., Mishra S., Khurana J.P., Singh A.K.	Indian Journal of Genetics and Plant Breeding	2014	1	University of Delhi, South Campus	0
Evidence for the role of wheat eukaryotic translation initiation factor 3 subunit g (TaeIF3g) in abiotic stress tolerance	Singh B., Chauhan H., Khurana J.P., Khurana P., Singh P.	Gene	2013	10	University of Delhi, South Campus	10
A seed preferential heat shock transcription factor from wheat provides abiotic stress tolerance and yield enhancement in transgenic Arabidopsis under heat stress environment	Chauhan H., Khurana N., Agarwal P., Khurana J.P., Khurana P.	PLoS ONE	2013	18	University of Delhi, South Campus	18
Draft genome sequence of a hexachlorocyclohexane-degrading bacterium, Sphingobium baderi strain LL03^T	Kaur J., Verma H., Tripathi C., Khurana J.P., Lal R.	Genome Announcements	2013	6	University of Delhi, South Campus	1
Draft genome sequence of Sphingobium lactosutens strain DS20^T, isolated from a hexachlorocyclohexane dumpsite	Kumar R., Dwivedi V., Negi V., Khurana J.P., Lal R.	Genome Announcements	2013	4	University of Delhi, South Campus	1
Draft genome sequence of Sphingobium chinhatense strain IP26T, isolated from a hexachlorocyclohexane dumpsite	Niharika N., Sangwan N., Ahmad S., Singh P., Khurana J.P., Lal R.	Genome Announcements	2013	12	University of Delhi, South Campus	3
Draft genome sequence of Sphingobium ummariense strain RL-3, a hexachlorocyclohexane-degrading bacterium	Kohli P., Dua A., Sangwan N., Oldach P., Khurana J.P., Lal R.	Genome Announcements	2013	7	University of Delhi, South Campus	3
Genome sequence of Novosphingobium lindaniclasticum LE124^T, isolated from a hexachlorocyclohexane dumpsite	Saxena A., Nayyar N., Sangwan N., Kumari R., Khurana J.P., Lal R.	Genome Announcements	2013	6	University of Delhi, South Campus	1
Draft genome sequence of Sphingobium sp. strain HDIPO4, an avid degrader of hexachlorocyclohexane	Mukherjee U., Kumar R., Mahato N.K., Khurana J.P., Lal R.	Genome Announcements	2013	10	University of Delhi, South Campus	4
Bacteriophytochrome controls carotenoid-independent response to photodynamic stress in a non-photosynthetic rhizobacterium, Azospirillum brasilense Sp7	Kumar S., Kateriya S., Singh V.S., Tanwar M., Agarwal S., Singh H., Khurana J.P., Amla D.V., Tripathi A.K.	Scientific Reports	2012	5	University of Delhi, South Campus	5
Massive gene acquisitions in Mycobacterium indicus pranii provide a perspective on mycobacterial evolution	Saini V., Raghuvanshi S., Khurana J.P., Ahmed N., Hasnain S.E., Tyagi A.K., Tyagi A.K.	Nucleic Acids Research	2012	18	University of Delhi, South Campus	13
The wheat chloroplastic small heat shock protein (sHSP26) is involved in seed maturation and germination and imparts tolerance to heat stress	Chauhan H., Khurana N., Nijhavan A., Khurana J.P., Khurana P.	Plant, Cell and Environment	2012	70	University of Delhi, South Campus	66

The tomato genome sequence provides insights into fleshy fruit evolution	Sato S., Tabata S., Hirakawa H., Asamizu E., Shirasawa K., Isobe S., Kaneko T., Nakamura Y., Shibata D., Aoki K., Egholm M., Knight J., Bogden R., Li C., Shuang Y., Xu X., Pan S., Cheng S., Liu X., Ren Y., Wang J., Albiero A., Dal Pero F., Todesco S., Van Eck J., Buels R.M., Bombarely A., Gosselin J.R., Huang M., Leto J.A., Menda N., Strickler S., Mao L., Gao S., Tecle I.Y., York T., Zheng Y., Vrebalov J.T., Lee J., Zhong S., Mueller L.A., Stiekema W.J., Ribeca P., Alioto T., Yang W., Huang S., Du Y., Zhang Z., Gao J., Guo Y., Wang X., Li Y., He J., Li C., Cheng Z., Zuo J., Ren J., Zhao J., Yan L., Jiang H., Wang B., Li H., Li Z., Fu F., Chen B., Han B., Feng Q., Fan D., Wang Y., Ling H., Xue Y., Ware D., Richard McCombie W., Lippman Z.B., Chia J.-M., Jiang K., Pasternak S., Gelley L., Kramer M., Anderson L.K., Chang S.-B., Royer S.M., Shearer L.A., Stack	Nature	2012	1128	University of Delhi, South Campus	798
Comparative Metagenomic Analysis of Soil Microbial Communities across Three Hexachlorocyclohexane Contamination Levels	Sangwan N., Lata P., Dwivedi V., Singh A., Niharika N., Kaur J., Anand S., Malhotra J., Jindal S., Nigam A., Lal D., Dua A., Saxena A., Garg N., Verma M., Kaur J., Mukherjee U., Gilbert J.A., Dowd S.E., Raman R., Khurana P., Khurana J.P., Lal R.	PLoS ONE	2012	37	University of Delhi, South Campus	17
Genome sequence of Acinetobacter sp. strain HA, isolated from the gut of the polyphagous insect pest Helicoverpa armigera	Malhotra J., Dua A., Saxena A., Sangwan N., Mukherjee U., Pandey N., Rajagopal R., Khurana P., Khurana J.P., Lal R.	Journal of Bacteriology	2012	6	University of Delhi, South Campus	6
Genome sequence of Sphingobium indicum B90A, a hexachlorocyclohexane-degrading bacterium	Anand S., Sangwan N., Lata P., Kaur J., Dua A., Singh A.K., Verma M., Kaur J., Khurana J.P., Khurana P., Mathur S., Lal R.	Journal of Bacteriology	2012	18	University of Delhi, South Campus	7
Draft genome sequence of Thermus sp. Strain RL, isolated from a hot water spring located atop the Himalayan ranges at Manikaran, India	Dwivedi V., Sangwan N., Nigam A., Garg N., Niharika N., Khurana P., Khurana J.P., Lal R.	Journal of Bacteriology	2012	15	University of Delhi, South Campus	7
Expression dynamics of metabolic and regulatory components across stages of panicle and seed development in indica rice	Sharma R., Agarwal P., Ray S., Deveshwar P., Sharma P., Sharma N., Nijhawan A., Jain M., Singh A.K., Singh V.P., Khurana J.P., Tyagi A.K., Kapoor S.	Functional and Integrative Genomics	2012	22	University of Delhi, South Campus	16
Development of SSR markers and construction of a linkage map in jute	Das M., Banerjee S., Dhariwal R., Vyas S., Mir R.R., Topdar N., Kundu A., Khurana J.P., Tyagi A.K., Sarkar D., Sinha M.K., Balyan H.S., Gupta P.K.	Journal of Genetics	2012	20	University of Delhi, South Campus	17
Prof. Paramjit Khurana						
Ectopic expression of Triticum aestivum SERK genes (TaSERKs) control plant growth and development in Arabidopsis	Singh, A., Khurana, P.	Scientific Reports	2017	0	University of Delhi South Campus	0
Gene encoding vesicle-associated membrane protein-associated protein from Triticum aestivum (TaVAP) confers tolerance to drought stress	Singh, B., Khurana, P., Khurana, J.P., Singh, P.	Cell Stress and Chape	2017	0	University of Delhi South Campus	0
Characterization of a novel zinc finger transcription factor (TaZnF) from wheat conferring heat stress tolerance in Arabidopsis	Agarwal, P., Khurana, P.	Cell Stress and Chape	2017	0	University of Delhi South Campus	0
Auxin response factor genes repertoire in mulberry: Identification, and structural, functional and evolutionary analyses	Baranwal, V.K., Negi, N., Khurana, P.	Genes	2017	0	University of Delhi South Campus	0
Transcription activation activity of ERD15 protein from Morus indica	Saeed, B., Khurana, P.	Plant Physiology and	2017	0	University of Delhi South Campus	0
Major intrinsic proteins repertoire of Morus notabilis and their expression profiles in different species	Baranwal, V.K., Khurana, P.	Plant Physiology and	2017	0	University of Delhi South Campus	0
Wheat genetic transformation using mature embryos as explants	Chauhan, H., Khurana, P.	Methods in Molecular	2017	0	University of Delhi South Campus	0

Rice Improvement Through Genome-Based Functional Analysis and Molecular Breeding in India	Agarwal, P., Parida, S.K., Raghuvanshi, S., Kapoor, S., Khurana, P., Khurana, J.P., Tyagi, A.K.	Rice	2016	6	University of Delhi South Campus	5
Photosynthetic efficiency, temperature induction response, carbon isotope discrimination correlate with expression profiling in Indian wheat cultivars	Hairat, S., Khurana, P.	Plant Signaling and Be	2016	0	University of Delhi South Campus	0
Genome-wide identification and structural, functional and evolutionary analysis of wrky components of mulberry	Baranwal, V.K., Negi, N., Khurana, P.	Scientific Reports	2016	5	University of Delhi South Campus	4
Identification and expression profiling of the lectin gene superfamily in mulberry	Saeed, B., Baranwal, V.K., Khurana, P.	Plant Genome	2016	4	University of Delhi South Campus	3
Genome-wide analysis, expression dynamics and varietal comparison of NAC gene family at various developmental stages in Morus notabilis	Baranwal, V.K., Khurana, P.	Molecular Genetics an	2016	2	University of Delhi South Campus	0
Wheat Brassinosteroid-Insensitive1 (TaBRI1) interacts with members of TaSERK gene family and cause early flowering and seed yield enhancement in arabidopsis	Singh, A., Breja, P., Khurana, J.P., Khurana, P.	PLoS ONE	2016	2	University of Delhi South Campus	1
Comparative transcriptomics and comprehensive marker resource development in mulberry	Saeed, B., Baranwal, V.K., Khurana, P.	BMC Genomics	2016	6	University of Delhi South Campus	2
Characterization of a chloroplast localized wheat membrane protein (TaRCI) and its role in heat, drought and salinity stress tolerance in Arabidopsis thaliana.	Khurana, N., Chauhan, H., Khurana, P.	Plant Gene	2015	5	University of Delhi South Campus	7
Arsenic rich Himalayan hot spring metagenomics reveal genetically novel predator-prey genotypes	Sangwan, N., Lambert, C., Sharma, A., Gupta, V., Khurana, P., Khurana, J.P., Sockett, R.E., Gilbert, J.A., Lal, R.	Environmental Microb	2015	12	University of Delhi South Campus	5
Evaluation of Aegilops tauschii and Aegilops speltoides for acquired thermotolerance: Implications in wheat breeding programmes	Hairat, S., Khurana, P.	Plant Physiology and	2015	2	University of Delhi South Campus	1
Overexpression of Ï²-carotene hydroxylase1 (BCH1) in Indian mulberry, Morus indica cv. K2, confers tolerance against UV, high temperature and high irradiance stress induced oxidative damage	Saeed, B., Das, M., Khurana, P.	Plant Cell, Tissue and	2015	7	University of Delhi South Campus	6
Reconstructing an ancestral genotype of two hexachlorocyclohexane-degrading Sphingobium species using metagenomic sequence data	Sangwan, N., Verma, H., Kumar, R., Negi, V., Lax, S., Khurana, P., Khurana, J.P., Gilbert, J.A., Lal, R.	ISME Journal	2014	17	University of Delhi South Campus	7
Evidence for the role of wheat eukaryotic translation initiation factor 3 subunit g (TaeIF3g) in abiotic stress tolerance	Singh, B., Chauhan, H., Khurana, J.P., Khurana, P., Singh, P.	Gene	2013	10	University of Delhi South Campus	10
Development and characterization of microsatellite markers for Morus spp. and assessment of their transferability to other closely related species	Mathithumilan, B., Kadam, N.N., Biradar, J., Reddy, S.H., Ankaiah, M., Narayanan, M.J., Makarla, U., Khurana, P., Sreeman, S.M.	BMC Plant Biology	2013	11	University of Delhi South Campus	9
A seed preferential heat shock transcription factor from wheat provides abiotic stress tolerance and yield enhancement in transgenic Arabidopsis under heat stress environment	Chauhan, H., Khurana, N., Agarwal, P., Khurana, J.P., Khurana, P.	PLoS ONE	2013	18	University of Delhi South Campus	18
Molecular and functional characterization of mulberry EST encoding remorin (MiREM) involved in abiotic stress	Checker, V.G., Khurana, P.	Plant Cell Reports	2013	20	University of Delhi South Campus	18
Cloning, functional characterisation and transgenic manipulation of vitamin e biosynthesis genes of wheat	Chaudhary, N., Khurana, P.	Functional Plant Biolo	2013	1	University of Delhi South Campus	1
Wheat Chloroplast Targeted sHSP26 Promoter Confers Heat and Abiotic Stress Inducible Expression in Transgenic Arabidopsis Plants	Khurana, N., Chauhan, H., Khurana, P.	PLoS ONE	2013	18	University of Delhi South Campus	18
Analysis of expressed sequence tags from mulberry (Morus indica) roots and implications for comparative transcriptomics and marker identification	Checker, V.G., Saeed, B., Khurana, P.	Tree Genetics and Ger	2012	8	University of Delhi South Campus	2
The wheat chloroplastic small heat shock protein (sHSP26) is involved in seed maturation and germination and imparts tolerance to heat stress	Chauhan, H., Khurana, N., Nijhavan, A., Khurana, J.P., Khurana, P.	Plant, Cell and Enviro	2012	70	University of Delhi South Campus	66

The tomato genome sequence provides insights into fleshy fruit evolution	Sato, S., Tabata, S., Hirakawa, H., Asamizu, E., Shirasawa, K., Isobe, S., Kaneko, T., Nakamura, Y., Shibata, D., Aoki, K., Egholm, M., Knight, J., Bogden, R., Li, C., Shuang, Y., Xu, X., Pan, S., Cheng, S., Liu, X., Ren, Y., Wang, J., Albiero, A., Dal Pero, F., Todesco, S., Van Eck, J., Buels, R.M., Bombarely, A., Gosselin, J.R., Huang, M., Leto, J.A., Menda, N., Strickler, S., Mao, L., Gao, S., Tecle, I.Y., York, T., Zheng, Y., Vrebalov, J.T., Lee, J., Zhong, S., Mueller, L.A., Stiekema, W.J., Ribeca, P., Alioto, T., Yang, W., Huang, S., Du, Y., Zhang, Z., Gao, J., Guo, Y., Wang, X., Li, Y., He, J., Li, C., Cheng, Z., Zuo, J., Ren, J., Zhao, J., Yan, L., Jiang, H., Wang, B., Li, H., Li, Z., Fu, F., Chen, B., Han, B., Feng, Q., Fan, D., Wang, Y., Ling, H., Xue, Y., Ware, D., Richard McCombie, W., Lippman, Z.B., Chia, J.-M., Jiang, K., Pasternak, S., Gelley, L., Kramer, M., Anderson, L.K., Chang, S.-B., Royer,	Nature	2012	1123	University of Delhi South Campus	801
Comparative Metagenomic Analysis of Soil Microbial Communities across Three Hexachlorocyclohexane Contamination Levels	Sangwan, N., Lata, P., Dwivedi, V., Singh, A., Niharika, N., Kaur, J., Anand, S., Malhotra, J., Jindal, S., Nigam, A., Lal, D., Dua, A., Saxena, A., Garg, N., Verma, M., Kaur, J., Mukherjee, U., Gilbert, J.A., Dowd, S.E., Raman, R., Khurana, P., Khurana, J.P., Lal, R.	PLoS ONE	2012	37	University of Delhi South Campus	18
Stress-inducible expression of barley Hva1 gene in transgenic mulberry displays enhanced tolerance against drought, salinity and cold stress	Checker, V.G., Chhibbar, A.K., Khurana, P.	Transgenic Research	2012	40	University of Delhi South Campus	35
Genome sequence of Acinetobacter sp. strain HA, isolated from the gut of the polyphagous insect pest Helicoverpa armigera	Malhotra, J., Dua, A., Saxena, A., Sangwan, N., Mukherjee, U., Pandey, N., Rajagopal, R., Khurana, P., Khurana, J.P., Lal, R.	Journal of Bacteriolog	2012	6	University of Delhi South Campus	6
Genome sequence of Sphingobium indicum B90A, a hexachlorocyclohexane-degrading bacterium	Anand, S., Sangwan, N., Lata, P., Kaur, J., Dua, A., Singh, A.K., Verma, M., Kaur, J., Khurana, J.P., Khurana, P., Mathur, S., Lal, R.	Journal of Bacteriolog	2012	18	University of Delhi South Campus	7
Draft genome sequence of Thermus sp. Strain RL, isolated from a hot water spring located atop the Himalayan ranges at Manikaran, India	Dwivedi, V., Sangwan, N., Nigam, A., Garg, N., Niharika, N., Khurana, P., Khurana, J.P., Lal, R.	Journal of Bacteriolog	2012	15	University of Delhi South Campus	7
Wheat: Functional Genomics of Abiotic Stress Tolerance	Khurana, P., Chauhan, H., Khurana, N.	Improving Crop Resis	2012	1	University of Delhi South Campus	1
Expression analysis of a heat-inducible, Myo-inositol-1-phosphate synthase (MIPS) gene from wheat and the alternatively spliced variants of rice and Arabidopsis	Khurana, N., Chauhan, H., Khurana, P.	Plant Cell Reports	2012	8	University of Delhi South Campus	6
Prof. Anil Grover						
Genetic improvement of rice crop under high temperature stress: bridging plant physiology with molecular biology	Lavania, D., Kumar, R., Goyal, I., Rana, S., Grover, A.	Indian Journal of Plan	2016		Dept. of Plant Molecular Biology	0
ClpB/Hsp100 proteins and heat stress tolerance in plants	Mishra, R.C., Grover, A.	Critical Reviews in Bi	2016		Dept. of Plant Molecular Biology	4
Constitutive over-expression of rice ClpD1 protein enhances tolerance to salt and desiccation stresses in transgenic Arabidopsis plants	Mishra, R.C., Richa, Grover, A.	Plant Science	2016		Dept. of Plant Molecular Biology	3
Pollen as a target of environmental changes	Grover, A., Twell, D., Schleiff, E.	Plant Reproduction	2016		Dept. of Plant Molecular Biology	1
Characterization of 5′UTR of rice ClpB-C/Hsp100 gene: evidence of its involvement in post-transcriptional regulation	Mishra, R.C., Richa, Singh, A., Tiwari, L.D., Grover, A.	Cell Stress and Chape	2016		Dept. of Plant Molecular Biology	0
Expression analysis of ClpB/Hsp100 gene in faba bean (Vicia faba L.) plants in response to heat stress	Kumar, R., Singh, A.K., Lavania, D., Siddiqui, M.H., Al-Whaibi, M.H., Grover, A.	Saudi Journal of Biolc	2016		Dept. of Plant Molecular Biology	5
Identification and characterization of a small heat shock protein 17.9-CII gene from faba bean (Vicia faba L.)	Kumar, R., Lavania, D., Singh, A.K., Negi, M., Siddiqui, M.H., Al-Whaibi, M.H., Grover, A.	Acta Physiologiae Pla	2015		Dept. of Plant Molecular Biology	2

Constitutive over-expression of rice chymotrypsin protease inhibitor gene OCPI2 results in enhanced growth, salinity and osmotic stress tolerance of the transgenic Arabidopsis plants	Tiwari, L.D., Mittal, D., Chandra Mishra, R., Grover, A.	Plant Physiology and	2015		Dept. of Plant Molecular Biology	4
Response of different genotypes of faba bean plant to drought stress	Siddiqui, M.H., Al-Khaishany, M.Y., Al-Qutami, M.A., Al-Whaibi, M.H., Grover, A., Ali, H.M., Al-Wahibi, M.S., Bukhari, N.A.	International Journal o	2015		Dept. of Plant Molecular Biology	13
Current status of the production of high temperature tolerant transgenic crops for cultivation in warmer climates	Lavania, D., Dhingra, A., Siddiqui, M.H., Al-Whaibi, M.H., Grover, A.	Plant Physiology and	2015		Dept. of Plant Molecular B	11
Morphological and physiological characterization of different genotypes of faba bean under heat stress	Siddiqui, M.H., Al-Khaishany, M.Y., Al-Qutami, M.A., Al-Whaibi, M.H., Grover, A., Ali, H.M., Al-Wahibi, M.S.	Saudi Journal of Biolc	2015		Dept. of Plant Molecular Biology	7
Genetic approaches for breeding heat stress tolerance in faba bean (Vicia faba L.)	Lavania, D., Siddiqui, M.H., Al-Whaibi, M.H., Singh, A.K., Kumar, R., Grover, A.	Acta Physiologiae Pla	2015		Dept. of Plant Molecular Biology	4
Coexpression network analysis associated with call of rice seedlings for encountering heat stress	Sarkar, N.K., Kim, Y.-K., Grover, A.	Plant Molecular Biolo	2014		Dept. of Plant Molecular Biology	21
Functional analysis of Hsp70 superfamily proteins of rice (Oryza sativa)	Sarkar, N.K., Kundnani, P., Grover, A.	Cell Stress and Chape	2013		Dept. of Plant Molecular Biology	44
Generating high temperature tolerant transgenic plants: Achievements and challenges	Grover, A., Mittal, D., Negi, M., Lavania, D.	Plant Science	2013		Dept. of Plant Molecular Biology	45
Functional relevance of J-protein family of rice (Oryza sativa)	Sarkar, N.K., Thapar, U., Kundnani, P., Panwar, P., Grover, A.	Cell Stress and Chape	2013		Dept. of Plant Molecular Biology	12
Gene expression analysis in response to low and high temperature and oxidative stresses in rice: Combination of stresses evokes different transcriptional changes as against stresses applied individually	Mittal, D., Madhyastha, D.A., Grover, A.	Plant Science	2012		Dept. of Plant Molecular Biology	10
Genome-wide transcriptional profiles during temperature and oxidative stress reveal coordinated expression patterns and overlapping regulons in rice	Mittal, D., Madhyastha, D.A., Grover, A.	PLoS ONE	2012		Dept. of Plant Molecular Biology	30
OsHsfA2c and OsHsfB4b are involved in the tr	Singh, A., Mittal, D., Lavania, D., Agarwal, M., Mishra, R.C., Grover, A.	Cell Stress and Chape	2012		Dept. of Plant Molecular B	9
Prof. S. Kapoor						
Evolvement of transgenic male-sterility and fertility-restoration system in rice for production of hybrid varieties	Rao G.S., Deveshwar P., Sharma M., Kapoor S., Rao K.V.	Plant Molecular Biology	2017	0	University of Delhi	0
A temperature-responsive gene in sorghum encodes a glycine-rich protein that interacts with calmodulin	Singh S., Virdi A.S., Jaswal R., Chawla M., Kapoor S., Mohapatra S.B., Manoj N., Pareek A., Kumar S., Singh P.	Biochimie	2017	0	University of Delhi	0
BHLH142 regulates various metabolic pathway-related genes to affect pollen development and anther dehiscence in rice	Ranjan R., Khurana R., Malik N., Badoni S., Parida S.K., Kapoor S., Tyagi A.K.	Scientific Reports	2017	1	University of Delhi	1
Analysis of drought-responsive signalling network in two contrasting rice cultivars using transcriptome-based approach	Borah P., Sharma E., Kaur A., Chandel G., Mohapatra T., Kapoor S., Khurana J.P.	Scientific Reports	2017	1	University of Delhi	1
A novel application of periodic acid–Schiff (PAS) staining and fluorescence imaging for analysing tapetum and microspore development	Chawla M., Verma V., Kapoor M., Kapoor S.	Histochemistry and Cell Biology	2017	1	University of Delhi	1
Rice Improvement Through Genome-Based Functional Analysis and Molecular Breeding in India	Agarwal P., Parida S.K., Raghuvanshi S., Kapoor S., Khurana P., Khurana J.P., Tyagi A.K.	Rice	2016	6	University of Delhi	6
Physcomitrella patens DNA methyltransferase 2 is required for recovery from salt and osmotic stress	Arya D., Kapoor S., Kapoor M.	FEBS Journal	2016	4	University of Delhi	4
Characterization of peptidyl-prolyl cis-trans isomerase- and calmodulin-binding activity of a cytosolic Arabidopsis thaliana Cyclophilin AtCyp19-3	Kaur G., Singh S., Singh H., Chawla M., Dutta T., Kaur H., Bender K., Snedden W.A., Kapoor S., Pareek A., Singh P.	PLoS ONE	2015	6	University of Delhi	6
Post-translational regulation of rice MADS29 function: Homodimerization or binary interactions with other seedexpressed MADS proteins modulate its translocation into the nucleus	Nayar S., Kapoor M., Kapoor S.	Journal of Experimental Botany	2014	6	University of Delhi	5
The PpCMT chromomethylase affects cell growth and interacts with the homolog of LIKE HETEROCHROMATIN PROTEIN 1 in the moss Physcomitrella patens	Dangwal M., Kapoor S., Kapoor M.	Plant Journal	2014	5	University of Delhi	4

Comprehensive expression analysis of rice armadillo gene family during abiotic stress and development	Sharma M., Singh A., Shankar A., Pandey A., Baranwal V., Kapoor S., Tyagi A.K., Pandey G.K.	DNA Research	2014	14	University of Delhi	13
Genome-wide expressional and functional analysis of calcium transport elements during abiotic stress and development in rice	Singh A., Kanwar P., Yadav A.K., Mishra M., Jha S.K., Baranwal V., Pandey A., Kapoor S., Tyagi A.K., Pandey G.K.	FEBS Journal	2014	14	University of Delhi	14
Comprehensive structural, interaction and expression analysis of CBL and CIPK complement during abiotic stresses and development in rice	Kanwar P., Sanyal S.K., Tokas I., Yadav A.K., Pandey A., Kapoor S., Pandey G.K.	Cell Calcium	2014	19	University of Delhi	18
Functional delineation of rice MADS29 reveals its role in embryo and endosperm development by affecting hormone homeostasis	Nayar S., Sharma R., Tyagi A.K., Kapoor S.	Journal of Experimental Botany	2013	17	University of Delhi	14
De novo methyltransferase, OsDRM2, interacts with the ATP-dependent RNA helicase, OseIF4A, in rice	Dangwal M., Malik G., Kapoor S., Kapoor M.	Journal of Molecular Biology	2013	10	University of Delhi	9
Plant omics: Genome-wide analysis of ABA repressor1 (ABR1) related genes in rice during abiotic stress and development	Mishra M., Kanwar P., Singh A., Pandey A., Kapoor S., Pandey G.K.	OMICS A Journal of Integrative Biology	2013	8	University of Delhi	8
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Comprehensive Genomic Analysis and Expression Profiling of Phospholipase C Gene Family during Abiotic Stresses and Development in Rice	Singh A., Kanwar P., Pandey A., Tyagi A.K., Sopory S.K., Kapoor S., Pandey G.K.	PLoS ONE	2013	18	University of Delhi	16
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