

# Jitendra Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,435  
citations

471509

17  
h-index

377865

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reverse genetic approaches for breeding nutrient-rich and climate-resilient cereal and food legume crops. <i>Heredity</i> , 2022, , .	2.6	2
2	Genomics Associated Interventions for Heat Stress Tolerance in Cool Season Adapted Grain Legumes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 399.	4.1	7
3	Genomics Enabled Breeding Strategies for Major Biotic Stresses in Pea ( <i>Pisum sativum</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	14
4	Effect of growing environments on the minerals and proximate composition of urdbeans ( <i>Vigna</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	3.9	4
5	Rootâ€œmics for drought tolerance in coolâ€œseason grain legumes. <i>Physiologia Plantarum</i> , 2021, 172, 629-644.	5.2	10
6	Genetic Potential of Lentil as a Nutritionally Rich Food Legume Crop. , 2021, , 83-98.		1
7	Genomicsâ€œassisted lentil breeding: Current status and future strategies. , 2021, 3, e71.		22
8	Comprehensive <sc>RNAseq</sc> analysis for identification of genes expressed under heat stress in lentil. <i>Physiologia Plantarum</i> , 2021, 173, 1785-1807.	5.2	12
9	Heat Priming of Lentil ( <i>Lens culinaris</i> Medik.) Seeds and Foliar Treatment with Î³-Aminobutyric Acid (GABA), Confers Protection to Reproductive Function and Yield Traits under High-Temperature Stress Environments. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5825.	4.1	8
10	Single-trait, multi-locus and multi-trait GWAS using four different models for yield traits in bread wheat. <i>Molecular Breeding</i> , 2021, 41, 1.	2.1	10
11	Morpho-Physiological Traits and Functional Markers Based Molecular Dissection of Heat-Tolerance in Urdbean. <i>Frontiers in Plant Science</i> , 2021, 12, 719381.	3.6	4
12	Breeding for Enhanced Nutrition Status in Food Legumes: Retrospects and Prospects. , 2021, , 1-15.		0
13	Breeding for Better Grain Quality in Lathyrus. , 2021, , 131-156.		7
14	Prospects of next generation sequencing in lentil breeding. <i>Molecular Biology Reports</i> , 2020, 47, 9043-9053.	2.3	10
15	Breeding, genetics, and genomics for tolerance against terminal heat in lentil: Current status and future directions. , 2020, 2, e38.		12
16	Estimation and multi-variate analysis of iron and zinc concentration in a diverse panel of urdbean ( <i>Vigna mungo</i> L. Hepper) genotypes grown under differing soil conditions. <i>Journal of Food Composition and Analysis</i> , 2020, 93, 103605.	3.9	11
17	Breeding for High-Yielding and Disease-Resistant Urdbean Cultivars. , 2020, , 173-191.		2
18	Lentil Breeding in Genomic Era: Present Status and Future Prospects. , 2020, , 193-209.		3

#	ARTICLE	IF	CITATIONS
19	Molecular Marker Assisted Gene Pyramiding. , 2019, , 125-139.		9
20	Influence of drought and heat stress, applied independently or in combination during seed development, on qualitative and quantitative aspects of seeds of lentil (<sc><i>Lens Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 702 Td (cul</i> 2019, 42, 198-211.	3.7	86
21	Towards Exploitation of Adaptive Traits for Climate-Resilient Smart Pulses. International Journal of Molecular Sciences, 2019, 20, 2971.	4.1	35
22	Genetic diversity changes in Indian lentils over the times. Journal of Plant Biochemistry and Biotechnology, 2018, 27, 415-424.	1.7	7
23	Impact of heat stress during seed filling on seed quality and seed yield in lentil (<i>Lens culinaris</i>) Tj ETQq1 1 0.784314 rgBT /Overlock_10 Tf 50 702 Td (cul</i> 2019, 42, 198-211.	3.5	48
24	Identification, development, and application of cross-species intron-spanning markers in lentil (Lens) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 702 Td (cul</i> 2019, 42, 198-211.	3.2	8
25	Identification of QTLs for agronomic traits using association mapping in lentil. Euphytica, 2018, 214, 1.	1.2	21
26	Association of functional markers with flowering time in lentil. Journal of Applied Genetics, 2018, 59, 9-21.	1.9	20
27	Analysis of genetic variability and genotype×environment interactions for iron and zinc content among diverse genotypes of lentil. Journal of Food Science and Technology, 2018, 55, 3592-3605.	2.8	27
28	Physiological and molecular characterisation for high temperature stress in Lens culinaris. Functional Plant Biology, 2018, 45, 474.	2.1	20
29	Population structure analysis and determination of neurotoxin content in a set of grass pea (Lathyrus sativus L.) accessions of Bangladesh origin. Crop Journal, 2018, 6, 435-442.	5.2	15
30	Quantitative trait loci from identification to exploitation for crop improvement. Plant Cell Reports, 2017, 36, 1187-1213.	5.6	81
31	Identification of High-Temperature Tolerant Lentil (Lens culinaris Medik.) Genotypes through Leaf and Pollen Traits. Frontiers in Plant Science, 2017, 8, 744.	3.6	101
32	Effects of Drought, Heat and Their Interaction on the Growth, Yield and Photosynthetic Function of Lentil (Lens culinaris Medikus) Genotypes Varying in Heat and Drought Sensitivity. Frontiers in Plant Science, 2017, 8, 1776.	3.6	199
33	Current Knowledge on Genetic Biofortification in Lentil. Journal of Agricultural and Food Chemistry, 2016, 64, 6383-6396.	5.2	50
34	Genetic Variability for Vitamin B9 and Total Dietary Fiber in Lentil (<i>Lens culinaris</i>L.) Cultivars. International Journal of Food Properties, 2016, 19, 936-943.	3.0	12
35	Breeding strategies to improve lentil for diverse agro-ecological environments. Indian Journal of Genetics and Plant Breeding, 2016, 76, 530.	0.5	18
36	Current knowledge in lentil genomics and its application for crop improvement. Frontiers in Plant Science, 2015, 6, 78.	3.6	93

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37	Impact of reproductive duration on yield and its component traits in lentil. Legume Research, 2015, 38, 139.	0.1	6
38	Plant Phenomics: An Overview. , 2015, , 1-10.		14
39	Diversification of indigenous gene- pool by using exotic germplasm in lentil ( <i>Lens culinaris Medikus</i> ) Tj ETQq1 1 0.784314 rgBT/Overl 3.1 24	3.1	24
40	Advances in Lentil Genomics. , 2014, , 111-130.		15
41	Inheritance and molecular tagging of MYMIV resistance gene in blackgram ( <i>Vigna mungo</i> L. Hepper). Euphytica, 2013, 193, 27-37.	1.2	50
42	Towards marker-assisted selection in pulses: a review. Plant Breeding, 2011, 130, 297-313.	1.9	156
43	Genome-wide QTL analysis for pre-harvest sprouting tolerance in bread wheat. Euphytica, 2009, 168, 319-329.	1.2	86
44	QTL analysis for grain colour and pre-harvest sprouting in bread wheat. Plant Science, 2009, 177, 114-122.	3.6	52