

Rakesh Singh

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,748
citations

361413

20
h-index

302126

39
g-index

70
all docs

70
docs citations

70
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Review of Bunium persicum: A Valuable Medicinal Spice. Food Reviews International, 2023, 39, 1184-1202.	8.4	11
2	OUP accepted manuscript. journal of applied laboratory medicine, The, 2022, , .	1.3	3
3	Development of novel genome-wide simple sequence repeats (SSR) markers in Bunium persicum. Industrial Crops and Products, 2022, 178, 114625.	5.2	5
4	Understanding the flash flood event of 7th February 2021 in Rishi Ganga basin, Central Himalaya using remote sensing technique. Remote Sensing Applications: Society and Environment, 2022, 26, 100744.	1.5	2
5	Assessment of genetic diversity of grape mutants based on RAPD and SSR markers. Indian Journal of Horticulture, 2021, 78, 17-24.	0.1	3
6	Identification of Unique Type of Decorticated Grain Colour in Rice Designated as "Potato Green Colour"™. Indian Journal of Plant Genetic Resources, 2021, 34, 79-81.	0.1	0
7	New hyper-variable SSRs for diversity analysis in mango (Mangifera indica L.). Indian Journal of Genetics and Plant Breeding, 2021, 81, 119-126.	0.5	8
8	New genomic markers for marker assisted breeding in mango (Mangifera indica L.). Journal of Horticultural Science and Biotechnology, 2021, 96, 624-633.	1.9	5
9	Reverse migratory behaviour of the earthquakes aftershock sequences along Himalayan Seismic Belt, Northwest Himalaya. Quaternary International, 2021, 585, 163-170.	1.5	5
10	Role of mycology in accurate diagnosis of various fungal aetiologies in rhino/orbital diseases: "needle in a haystack"™. BMJ Case Reports, 2021, 14, e242684.	0.5	0
11	Molecular detection of Cystoisospora belli by single-run polymerase chain reaction in stool samples. Indian Journal of Gastroenterology, 2021, 40, 512-518.	1.4	4
12	Emerging roles of NAC transcription factor in medicinal plants: progress and prospects. 3 Biotech, 2021, 11, 425.	2.2	9
13	Development of water based drilling fluid using tamarind seed powder. Materials Today: Proceedings, 2021, 46, 10950-10953.	1.8	4
14	Identification of a Diverse Core Set Panel of Rice From the East Coast Region of India Using SNP Markers. Frontiers in Genetics, 2021, 12, 726152.	2.3	6
15	Transcriptome Analysis of Bread Wheat Genotype KRL3-4 Provides a New Insight Into Regulatory Mechanisms Associated With Sodidity (High pH) Tolerance. Frontiers in Genetics, 2021, 12, 782366.	2.3	4
16	Identification and evolutionary analysis of polycistronic miRNA clusters in domesticated and wild wheat. Genomics, 2020, 112, 2334-2348.	2.9	12
17	A novel approach for detecting roundabouts in maps based on analysis of core map data. Multimedia Tools and Applications, 2020, 79, 30785-30811.	3.9	3
18	Development of novel g-SSR markers in guava (Psidium guajava L.) cv. Allahabad Safeda and their application in genetic diversity, population structure and cross species transferability studies. PLoS ONE, 2020, 15, e0237538.	2.5	24

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19	Development of Novel Genomic Simple Sequence Repeat (g-SSR) Markers and Their Validation for Genetic Diversity Analyses in Kalmegh [<i>Andrographis paniculata</i> (Burm. F.) Nees]. <i>Plants</i> , 2020, 9, 1734.	3.5	11
20	Allelic sequence variation in the Sub1A, Sub1B and Sub1C genes among diverse rice cultivars and its association with submergence tolerance. <i>Scientific Reports</i> , 2020, 10, 8621.	3.3	14
21	Genetic diversity and population structure analysis of wild <i>Malus</i> genotypes including the crabapples (<i>M. baccata</i> (L.) Borkh. & <i>M. sikkimensis</i> (Wenzig) Koehne ex C. Schneider) collected from the Indian Himalayan region using microsatellite markers. <i>Genetic Resources and Crop Evolution</i> , 2019, 66, 1311-1326.	1.6	11
22	Mining of Indian wheat germplasm collection for adult plant resistance to leaf rust. <i>PLoS ONE</i> , 2019, 14, e0213468.	2.5	23
23	Morphological and biochemical diversity among the <i>Malus</i> species including indigenous Himalayan wild apples. <i>Scientia Horticulturae</i> , 2018, 233, 204-219.	3.6	19
24	Molecular Characterization and Genetic Relationships of Some Stress Tolerant Grape Rootstock Genotypes as Revealed by ISSR and SSR Markers. <i>Plant Tissue Culture and Biotechnology</i> , 2018, 28, 77-90.	0.2	6
25	Identification, analysis and development of salt responsive candidate gene based SSR markers in wheat. <i>BMC Plant Biology</i> , 2018, 18, 249.	3.6	40
26	PolyMorphPredict: A Universal Web-Tool for Rapid Polymorphic Microsatellite Marker Discovery From Whole Genome and Transcriptome Data. <i>Frontiers in Plant Science</i> , 2018, 9, 1966.	3.6	15
27	Genetic diversity and population structure studies of the wild apple genotypes using RAPD markers. <i>Indian Journal of Horticulture</i> , 2018, 75, 546.	0.1	1
28	Genetic and biochemical stability assessment of plants regenerated from cryopreserved shoot tips of a commercially valuable medicinal herb <i>Bacopa monnieri</i> (L.) Wettst. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 346-351.	2.1	17
29	Characterization of <i>Perilla frutescens</i> (Linn.) Britt based on morphological, biochemical and STMS markers. <i>Industrial Crops and Products</i> , 2017, 109, 773-785.	5.2	3
30	Genetic diversity and population structure analysis of Kala bhat (<i>Glycine max</i> (L.) Merrill) genotypes using SSR markers. <i>Hereditas</i> , 2017, 154, 9.	1.4	20
31	Multi-environmental evaluation of wheat genotypes for drought tolerance. <i>Indian Journal of Genetics and Plant Breeding</i> , 2017, 78, 26.	0.5	12
32	Comparative in vitro propagation of stress tolerant grape (<i>Vitis</i> spp.) rootstocks and assessment of clonal fidelity of plantlets. <i>Indian Journal of Horticulture</i> , 2017, 74, 317.	0.1	4
33	Development of a novel InDel based molecular marker, a potential to differentiate most of the traditional Basmati from non-Basmati rice varieties. <i>Indian Journal of Genetics and Plant Breeding</i> , 2017, 77, 564.	0.5	0
34	SNP Marker Based Genetic Diversity and Population Structure Study of Rice Germplasm of Arunachal Pradesh. <i>Indian Journal of Plant Genetic Resources</i> , 2017, 30, 293.	0.1	0
35	Development of genomic simple sequence repeats (g-SSR) markers in <i>Tinospora cordifolia</i> and their application in diversity analyses. <i>Plant Gene</i> , 2016, 5, 118-125.	2.3	23
36	In Vitro Propagation and Conservation of <i>Bacopa monnieri</i> L.. <i>Methods in Molecular Biology</i> , 2016, 1391, 153-171.	0.9	9

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37	De novo transcriptome sequencing facilitates genomic resource generation in <i>Tinospora cordifolia</i> . <i>Functional and Integrative Genomics</i> , 2016, 16, 581-591.	3.5	19
38	Genetic diversity trend in Indian rice varieties: an analysis using SSR markers. <i>BMC Genetics</i> , 2016, 17, 127.	2.7	73
39	Study of arbitrarily amplified (RAPD and ISSR) and gene targeted (SCoT and CBDP) markers for genetic diversity and population structure in Kalmegh [<i>Andrographis paniculata</i> (Burm. f.) Nees]. <i>Industrial Crops and Products</i> , 2016, 86, 1-11.	5.2	60
40	Molecular Approaches to Understand Nutritional Potential of Coarse Cereals. <i>Current Genomics</i> , 2016, 17, 177-192.	1.6	10
41	Genetic diversity and relationship study of single and double petal tuberose (<i>Polianthes tuberosa</i> L.) cultivars based on RAPD and ISSR markers. <i>Indian Journal of Horticulture</i> , 2016, 73, 238.	0.1	6
42	Draft Genome of <i>Escherichia coli</i> O146 Isolate from Maulana Azad Medical College, New Delhi, India. <i>Genome Announcements</i> , 2015, 3, .	0.8	0
43	Molecular diversity study within holy basil species (<i>Ocimum tenuiflorum</i> L.) using ISSR and RAPD markers. <i>Indian Journal of Horticulture</i> , 2015, 72, 528.	0.1	1
44	Recent Advances in Polyamine Metabolism and Abiotic Stress Tolerance. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	59
45	Analysis of Genetic Diversity and Population Structure of Rice Germplasm from North-Eastern Region of India and Development of a Core Germplasm Set. <i>PLoS ONE</i> , 2014, 9, e113094.	2.5	59
46	CAAT box- derived polymorphism (CBDP): a novel promoter -targeted molecular marker for plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2014, 23, 175-183.	1.7	60
47	Genetic diversity and population structure study of drumstick (<i>Moringa oleifera</i> Lam.) using morphological and SSR markers. <i>Industrial Crops and Products</i> , 2014, 60, 316-325.	5.2	51
48	Molecular diversity and SSR transferability studies in Vetiver grass (<i>Vetiveria zizanioides</i> L. Nash). <i>Industrial Crops and Products</i> , 2014, 53, 187-198.	5.2	14
49	Phenotypic and molecular studies for genetic stability assessment of cryopreserved banana meristems derived from field and in vitro explant sources. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 345-356.	2.1	21
50	Molecular approaches for designing heat tolerant wheat. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 359-371.	1.7	38
51	Genetic mapping and QTL analysis for sugar yield-related traits in sugarcane. <i>Euphytica</i> , 2013, 191, 333-353.	1.2	30
52	Mapping of QTLs for oil content and fatty acid composition in Indian mustard [<i>Brassica juncea</i> (L.) Czern. and Coss.]. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 80-89.	1.7	11
53	Comparison of SSR and SNP Markers in Estimation of Genetic Diversity and Population Structure of Indian Rice Varieties. <i>PLoS ONE</i> , 2013, 8, e84136.	2.5	192
54	Study of inheritance and allelic relation of resistance to spot blotch (<i>Bipolaris sorokiniana</i>) of wheat. <i>Biotech Today an International Journal of Biological Sciences</i> , 2013, 3, 31.	0.1	2

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55	Quantum combinatorial model of gene expression. <i>Bioinformatics</i> , 2013, 9, 141-144.	0.5	0
56	In vitro conservation of <i>Bacopa monnieri</i> (L.) using mineral oil. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 291-301.	2.3	24
57	Fine mapping of grain length QTLs on chromosomes 1 and 7 in Basmati rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 157-166.	1.7	43
58	Combining QTL mapping and transcriptome profiling of bulked RILs for identification of functional polymorphism for salt tolerance genes in rice (<i>Oryza sativa</i> L.). <i>Molecular Genetics and Genomics</i> , 2010, 284, 121-136.	2.1	157
59	SNP haplotypes of the BADH1 gene and their association with aroma in rice (<i>Oryza sativa</i> L.). <i>Molecular Breeding</i> , 2010, 26, 325-338.	2.1	65
60	Exploring the potential of <i>Ziziphus nummularia</i> (Burm. f.) Wight et Arn. from drier regions of India. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 929-936.	1.6	21
61	Micropropagation and slow growth conservation of cardamom (<i>Elettaria cardamomum</i> Maton). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 721-729.	2.1	26
62	Molecular Analysis of Chickpea (<i>Cicer arietinum</i> L) Cultivars Using AFLP and STMS Markers. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2008, 17, 167-171.	1.7	19
63	Chickpea Improvement: Role of Wild Species and Genetic Markers. <i>Biotechnology and Genetic Engineering Reviews</i> , 2008, 25, 267-314.	6.2	102
64	Assessment of Genetic Diversity in <i>Ziziphus mauritiana</i> Using Inter-Simple Sequence Repeat Markers. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2007, 16, 35-40.	1.7	18
65	Fine Mapping of Aroma QTLs in Basmati Rice (<i>Oryza sativa</i> L) on Chromosomes 3, 4 and 8. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2007, 16, 75-82.	1.7	19
66	Mapping of quantitative trait loci for basmati quality traits in rice (<i>Oryza sativa</i> L.). <i>Molecular Breeding</i> , 2007, 21, 49-65.	2.1	177
67	Assessment of genetic diversity and genetic relationships among 29 populations of <i>Azadirachta indica</i> A. Juss. using RAPD markers. <i>Genetic Resources and Crop Evolution</i> , 2005, 52, 285-292.	1.6	29
68	Variation studies in a wild groundnut species, <i>Arachis stenosperma</i> Krapov. & W.C. Gregory nov. sp.. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2004, 2, 99-106.	0.8	2
69	Analysis of Genetic Diversity in <i>Cicer arietinum</i> L Using Random Amplified Polymorphic DNA Markers. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2002, 11, 109-112.	1.7	4
70	CHICKPEA IMPROVEMENT: ROLE OF WILD SPECIES AND GENETIC MARKERS. , 0, , 267-314.		0