

Prem Lal Kashyap

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

1,711
citations

21
h-index

38
g-index

115
ext. papers

2,196
ext. citations

2.7
avg, IF

5.23
L-index

#	Paper	IF	Citations
101	Chitosan nanoparticle based delivery systems for sustainable agriculture. <i>International Journal of Biological Macromolecules</i> , 2015 , 77, 36-51	7.9	397
100	Bacterial xylanases: biology to biotechnology. <i>3 Biotech</i> , 2016 , 6, 150	2.8	89
99	Myconanotechnology in agriculture: a perspective. <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 191-207	4.4	81
98	Nanodiagnosics for plant pathogens. <i>Environmental Chemistry Letters</i> , 2017 , 15, 7-13	13.3	62
97	Diversity and antagonistic potential of Bacillus spp. associated to the rhizosphere of tomato for the management of Rhizoctonia solani. <i>Biocontrol Science and Technology</i> , 2012 , 22, 203-217	1.7	53
96	Trichoderma for climate resilient agriculture. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 155	4.4	51
95	Multifarious plant growth promoting characteristics of chickpea rhizosphere associated Bacilli help to suppress soil-borne pathogens. <i>Plant Growth Regulation</i> , 2014 , 73, 91-101	3.2	47
94	Isolation and characterization of siderophore producing antagonistic rhizobacteria against Rhizoctonia solani. <i>Journal of Basic Microbiology</i> , 2014 , 54, 585-97	2.7	47
93	Identification, characterization and phylogenetic analysis of antifungal from tomato rhizosphere. <i>SpringerPlus</i> , 2016 , 5, 1939		42
92	Plant defense activation and management of tomato root rot by a chitin-fortified Trichoderma/Hypocrea formulation. <i>Phytoparasitica</i> , 2011 , 39, 471-481	1.5	40
91	Deciphering Diversity of Salt-Tolerant Bacilli from Saline Soils of Eastern Indo-gangetic Plains of India. <i>Geomicrobiology Journal</i> , 2015 , 32, 170-180	2.5	37
90	Rapid detection and quantification of Alternaria solani in tomato. <i>Scientia Horticulturae</i> , 2013 , 151, 184-189	1.9	34
89	Characterization of antagonistic-potential of two Bacillus strains and their biocontrol activity against Rhizoctonia solani in tomato. <i>Journal of Basic Microbiology</i> , 2015 , 55, 82-90	2.7	31
88	Optimization of media components for chitinase production by chickpea rhizosphere associated Lysinibacillus fusiformis B-CM18. <i>Journal of Basic Microbiology</i> , 2013 , 53, 451-60	2.7	30
87	Bacterial endophyte mediated plant tolerance to salinity: growth responses and mechanisms of action. <i>World Journal of Microbiology and Biotechnology</i> , 2020 , 36, 26	4.4	27
86	Functional characterization of endophytic bacilli from pearl millet (Pennisetum glaucum) and their possible role in multiple stress tolerance. <i>Plant Biosystems</i> , 2020 , 154, 503-514	1.6	27
85	Comparative analysis of microsatellites in five different antagonistic Trichoderma species for diversity assessment. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 8	4.4	26

84	Identification and characterization of microsatellite from <i>Alternaria brassicicola</i> to assess cross-species transferability and utility as a diagnostic marker. <i>Molecular Biotechnology</i> , 2014 , 56, 1049-59		26
83	Nanotechnology for the Detection and Diagnosis of Plant Pathogens. <i>Sustainable Agriculture Reviews</i> , 2016 , 253-276	1.3	25
82	Molecular breeding technologies and strategies for rust resistance in wheat (<i>Triticum aestivum</i>) for sustained food security. <i>Plant Pathology</i> , 2018 , 67, 771-791	2.8	23
81	Biocontrol Potential of Salt-Tolerant <i>Trichoderma</i> and <i>Hypocrea</i> Isolates for the Management of Tomato Root Rot Under Saline Environment. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 160-176 ^{2,2}		22
80	Isolation and characterization of halotolerant bacilli from chickpea (<i>Cicer arietinum</i> L.) rhizosphere for plant growth promotion and biocontrol traits. <i>European Journal of Plant Pathology</i> , 2019 , 153, 787-800 ^{2,1}		19
79	Plant growth promoting and antifungal activity in endophytic <i>Bacillus</i> strains from pearl millet (<i>Pennisetum glaucum</i>). <i>Brazilian Journal of Microbiology</i> , 2020 , 51, 229-241	2.2	19
78	Halotolerant PHM11 Tolerate Salinity by Accumulating L-Proline and Fine-Tuning Gene Expression Profiles of Related Metabolic Pathways. <i>Frontiers in Microbiology</i> , 2018 , 9, 423	5.7	18
77	Cross-species transferability of microsatellite markers from <i>Fusarium oxysporum</i> for the assessment of genetic diversity in <i>Fusarium udum</i> . <i>Phytoparasitica</i> , 2013 , 41, 615-622	1.5	18
76	Isolation and characterization of biosurfactant producing <i>Bacillus</i> sp. from diesel fuel-contaminated site. <i>Microbiology</i> , 2016 , 85, 56-62	1.4	17
75	Genetic engineering approaches to enhance oil content in oilseed crops. <i>Plant Growth Regulation</i> , 2017 , 83, 207-222	3.2	17
74	Mating type genes and genetic markers to decipher intraspecific variability among <i>Fusarium udum</i> isolates from pigeonpea. <i>Journal of Basic Microbiology</i> , 2015 , 55, 846-56	2.7	16
73	Genetic diversity, mating types and phylogenetic analysis of Indian races of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> from chickpea. <i>Archives of Phytopathology and Plant Protection</i> , 2016 , 49, 533-553	1	15
72	Nanotechnology Scope and Applications for Wheat Production and Quality Enhancement:A Review of Recent Advances. <i>Journal of Cereal Research</i> , 2018 , 10,	1.9	15
71	DNA Barcoding for Diagnosis and Monitoring of Fungal Plant Pathogens. <i>Fungal Biology</i> , 2017 , 87-122	2.3	15
70	Karnal Bunt: A Re-Emerging Old Foe of Wheat. <i>Frontiers in Plant Science</i> , 2020 , 11, 569057	6.2	14
69	2018 ,		13
68	Draft genome sequence of a cold-adapted phosphorous-solubilizing P2 isolated from Sela Lake, India. <i>3 Biotech</i> , 2019 , 9, 256	2.8	12
67	Computational Mining and Genome Wide Distribution of Microsatellite in <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Notulae Scientia Biologicae</i> , 2012 , 4, 127-131	0.4	12

66	Deciphering rhizosphere microbiome for the development of novel bacterial consortium and its evaluation for salt stress management in solanaceous crops in India. <i>Indian Phytopathology</i> , 2019 , 72, 479-488	1	11
65	Identifying some additional rust resistance genes in Indian wheat varieties using robust markers. <i>Cereal Research Communications</i> , 2017 , 45, 633-646	1.1	11
64	Population distribution and differentiation of <i>Puccinia graminis tritici</i> detected in the Indian subcontinent during 2009-2015. <i>Crop Protection</i> , 2018 , 108, 128-136	2.7	11
63	Population genetic structure of <i>Rhizoctonia solani</i> AG1IA from rice field in North India. <i>Phytoparasitica</i> , 2017 , 45, 299-316	1.5	11
62	Enhancement in Plant Growth and Zinc Biofortification of Chickpea (<i>Cicer arietinum</i> L.) by <i>Bacillus altitudinis</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 922-935	3.2	11
61	Characterization of three new Yr9-virulences and identification of sources of resistance among recently developed Indian bread wheat germplasm. <i>Journal of Plant Pathology</i> , 2019 , 101, 955-963	1	10
60	Molecular detection and in silico characterization of cold shock protein coding gene (<i>cspA</i>) from cold adaptive <i>Pseudomonas koreensis</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019 , 28, 405-413	1.6	10
59	Temporal Transcriptional Changes in SAR and Sugar Transport-Related Genes During Wheat and Leaf Rust Pathogen Interactions. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 826-839	4.7	10
58	Genes of Microorganisms: Paving Way to Tailor Next Generation Fungal Disease Resistant Crop Plants. <i>Notulae Scientia Biologicae</i> , 2011 , 3, 147-157	0.4	9
57	Identification and characterization of ethanol utilizing fungal flora of oil refinery contaminated soil. <i>World Journal of Microbiology and Biotechnology</i> , 2014 , 30, 705-14	4.4	8
56	Exploitation of Multifarious Abiotic Stresses, Antagonistic Activity and Plant Growth Promoting Attributes of <i>Bacillus amyloliquefaciens</i> AH53 for Sustainable Agriculture Production. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2018 , 7, 751-763	1.3	8
55	Draft Genome Sequence of Halotolerant Bacterium <i>Chromohalobacter salexigens</i> ANJ207, Isolated from Salt Crystal Deposits in Pipelines. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	7
54	Induction of systemic tolerance to <i>Tilletia indica</i> in wheat by plant defence activators. <i>Archives of Phytopathology and Plant Protection</i> , 2018 , 51, 1-13	1	7
53	RNA interference- a novel approach for plant disease management. <i>Journal of Applied and Natural Science</i> , 2017 , 9, 1612-1618	0.6	7
52	Nanosensors for Plant Disease Diagnosis: Current Understanding and Future Perspectives 2019 , 189-205		7
51	Molecular Diagnostic Assay for Rapid Detection of Flag Smut Fungus () in Wheat Plants and Field Soil. <i>Frontiers in Plant Science</i> , 2020 , 11, 1039	6.2	7
50	Comparison of molecular and phenetic typing methods to assess diversity of selected members of the genus <i>Bacillus</i> . <i>Microbiology</i> , 2015 , 84, 236-246	1.4	6
49	A rapid colorimetric LAMP assay for detection of <i>Rhizoctonia solani</i> AG-1 IA causing sheath blight of rice. <i>Scientific Reports</i> , 2020 , 10, 22022	4.9	6

48	First Draft Genome Sequence of the Pathogenic Fungus <i>Fusarium udum</i> F02845, Associated with Pigeonpea (<i>Cajanus cajan</i> L. Millspaugh) Wilt. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	6
47	Phylogeography and Population Structure Analysis Reveal Diversity by Gene Flow and Mutation in (Pers.) Roussel Causing Loose Smut of Wheat. <i>Frontiers in Microbiology</i> , 2019 , 10, 1072	5.7	5
46	Nanotechnology in Wheat Production and Protection. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 165-194	0.8	5
45	Detection and Diagnosis of Seed-Borne Viruses and Virus-Like Pathogens 2020 , 169-199		5
44	Deciphering the salinity adaptation mechanism in <i>Penicillium clavariiformis</i> AP, a rare salt tolerant fungus from mangrove. <i>Journal of Basic Microbiology</i> , 2016 , 56, 779-91	2.7	5
43	New and emerging technologies for detecting <i>Magnaporthe oryzae</i> causing blast disease in crop plants. <i>Crop Protection</i> , 2021 , 143, 105473	2.7	5
42	MICROBIAL NANOTECHNOLOGY FOR CLIMATE RESILIENT AGRICULTURE 2018 , 279-344		5
41	-based marker for spp.: a new diagnostic marker for specific and early detection in crop plants. <i>3 Biotech</i> , 2019 , 9, 249	2.8	4
40	Microbes for Cold Stress Resistance in Plants: Mechanism, Opportunities, and Challenges. <i>Rhizosphere Biology</i> , 2020 , 269-292	0.8	4
39	CLIMATE CHANGE IMPACT ON PLANT DISEASES 2017 , 41-56		4
38	Switching to nanonutrients for sustaining agroecosystems and environment: the challenges and benefits in moving up from ionic to particle feeding.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 19	9.4	4
37	Difenoconazole: A new seed dressing molecule for effective management of flag smut (<i>Urocystis agropyri</i>) of wheat. <i>Journal of Cereal Research</i> , 2019 , 11,	1.9	4
36	Pan-genome analysis of <i>Exiguobacterium</i> reveals species delineation and genomic similarity with <i>Exiguobacterium profundum</i> PHM 11. <i>Environmental Microbiology Reports</i> , 2020 , 12, 639-650	3.7	4
35	Antibiotic gene specific characterization and ARDRA analysis of native isolates of <i>Pseudomonas</i> spp. from Jammu, India. <i>Indian Phytopathology</i> , 2018 , 71, 225-233	1	4
34	Identification of Novel Microsatellite Markers to Assess the Population Structure and Genetic Differentiation of Causing Covered Smut of Barley. <i>Frontiers in Microbiology</i> , 2019 , 10, 2929	5.7	3
33	MYCORRHIZA [HELPING PLANTS TO NAVIGATE ENVIRONMENTAL STRESSES 2017 , 205-233		3
32	CONSERVATION AGRICULTURE FOR CLIMATE CHANGE RESILIENCE 2017 , 165-190		3
31	Wheat endophytes and their potential role in managing abiotic stress under changing climate. <i>Journal of Applied Microbiology</i> , 2021 ,	4.7	3

30	Zinc-Solubilizing Microbes for Sustainable Crop Production: Current Understanding, Opportunities, and Challenges 2020 , 281-298		3
29	Stage-specific reprogramming of defense responsive genes during Lr24-mediated leaf rust resistance in wheat. <i>Journal of Plant Pathology</i> , 2019 , 101, 283-293	1	3
28	Impact of climate change on insect pests of riceWheat cropping system: recent trends and mitigation strategies 2021 , 225-239		3
27	Physiologic Specialization and Genetic Differentiation of Causing Leaf Rust of Wheat on the Indian Subcontinent During 2016 to 2019. <i>Plant Disease</i> , 2021 , 105, 1992-2000	1.5	3
26	Virulence and molecular analysis of atypical pathotypes of yellow rust pathogen in India. <i>Indian Phytopathology</i> , 2019 , 72, 187-194	1	2
25	Genome-Wide Analysis of Microsatellites in <i>Alternaria arborescens</i> and Elucidation of the Function of Polyketide Synthase (PksJ). <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018 , 10, 813-822	3.5	2
24	Preservation and Maintenance of Microbial Cultures. <i>Springer Protocols</i> , 2013 , 135-152	0.3	2
23	Analysis of Biosynthetic Gene Clusters, Secretory, and Antimicrobial Peptides Reveals Environmental Suitability of PHM11.. <i>Frontiers in Microbiology</i> , 2021 , 12, 785458	5.7	2
22	Nanopesticides: Current status and scope for their application in agriculture. <i>Plant Protection Science</i> , 2021 , 58, 1-17	1.1	2
21	Plant Microbiome 2020 , 1-29		2
20	Disease Spectrum in Wheat and Barley Under Different Agro-Ecological Conditions in India and Management Strategies 2020 , 57-79		2
19	Tillage Intensity Influences Insect-Pest and Predator Dynamics of Wheat Crop Grown under Different Conservation Agriculture Practices in Rice-Wheat Cropping System of Indo-Gangetic Plain. <i>Agronomy</i> , 2021 , 11, 1087	3.6	2
18	Morphological characterization and screening for sheath blight resistance using Indian isolates of <i>Rhizoctonia solani</i> AG11A. <i>Indian Phytopathology</i> , 2019 , 72, 107-124	1	2
17	ENDOPHYTIC MICROORGANISMS 2017 , 235-253		1
16	AMELIORATION OF ABIOTIC STRESSES IN PLANTS THROUGH MULTI-FACETED BENEFICIAL MICROORGANISMS 2017 , 105-148		1
15	DBW222 (Karan Narendra): A new high-yielding, lodging-tolerant wheat variety for North Western plains of India. <i>Crop Breeding and Applied Biotechnology</i> , 2020 , 20,	1.1	1
14	The Plant Microbiome in Agricultural Sustainability31		1
13	Development and characterization of novel microsatellite markers in <i>Puccinia striiformis</i> f.sp. <i>tritici</i> and their transferability in <i>Puccinia</i> species. <i>Journal of Phytopathology</i> , 2020 , 168, 120-128	1.8	1

12	Virulence and molecular diversity among <i>Puccinia striiformis</i> f. sp. <i>tritici</i> pathotypes identified in India between 2015 and 2019. <i>Crop Protection</i> , 2021 , 148, 105717	2.7	1
11	Plant virome: current understanding, mechanisms, and role in phytobiome 2021 , 53-81		1
10	Population Biology of Wheat Blast Pathogen 2020 , 19-34		0
9	Mycorrhizal fungi and its importance in plant health amelioration 2021 , 205-223		0
8	Phyllosphere microbiome: modern prospectus and application 2021 , 345-366		0
7	BACILLUS THURINGIENSIS 2017 , 255-278		
6	Identification and Diagnosis of Wheat Blast 2020 , 35-52		
5	Evolution, Adaptation, and Host Selection by Plant Viruses: Current Understanding and Future Perspectives 2017 , 221-258		
4	Ecology, Population Biology and Management of Chilli Anthracnose. <i>Sustainable Agriculture Reviews</i> , 2018 , 361-388	1.3	
3	Characterization of five new pathotypes of <i>Puccinia triticina</i> identified from Northeast India, Nepal, and Bangladesh. <i>Australasian Plant Pathology</i> ,1	1.4	
2	Nanotechnology for Wheat and Barley Health Management: Current Scenario and Future Prospectus 2022 , 337-363		
1	Induced Resistance for Sustainable Management of Wheat Diseases. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2022 , 385-408	0.4	