Prem Lal Kashyap

List of Publications by Year
in descending order

102 papers	2,777 citations	218381 26 h-index	214527 47 g-index
115 all docs	115 docs citations	115 times ranked	2488 citing authors

#	Article	IF	Citations
1	Chitosan nanoparticle based delivery systems for sustainable agriculture. International Journal of Biological Macromolecules, 2015, 77, 36-51.	3.6	519
2	Bacterial xylanases: biology to biotechnology. 3 Biotech, 2016, 6, 150.	1.1	132
3	Myconanotechnology in agriculture: a perspective. World Journal of Microbiology and Biotechnology, 2013, 29, 191-207.	1.7	106
4	Trichoderma for climate resilient agriculture. World Journal of Microbiology and Biotechnology, 2017, 33, 155.	1.7	86
5	Nanodiagnostics for plant pathogens. Environmental Chemistry Letters, 2017, 15, 7-13.	8.3	76
6	Isolation and characterization of siderophore producing antagonistic rhizobacteria against Rhizoctonia solani. Journal of Basic Microbiology, 2014, 54, 585-597.	1.8	66
7	Diversity and antagonistic potential ofBacillusspp. associated to the rhizosphere of tomato for the management ofRhizoctonia solani. Biocontrol Science and Technology, 2012, 22, 203-217.	0.5	62
8	Multifarious plant growth promoting characteristics of chickpea rhizosphere associated Bacilli help to suppress soil-borne pathogens. Plant Growth Regulation, 2014, 73, 91-101.	1.8	62
9	Rapid detection and quantification of Alternaria solani in tomato. Scientia Horticulturae, 2013, 151, 184-189.	1.7	59
10	Bacterial endophyte mediated plant tolerance to salinity: growth responses and mechanisms of action. World Journal of Microbiology and Biotechnology, 2020, 36, 26.	1.7	57
11	Identification, characterization and phylogenetic analysis of antifungal Trichoderma from tomato rhizosphere. SpringerPlus, 2016, 5, 1939.	1.2	55
12	Plant defense activation and management of tomato root rot by a chitin-fortified Trichoderma/Hypocrea formulation. Phytoparasitica, 2011, 39, 471-481.	0.6	53
13	Deciphering Diversity of Salt-Tolerant Bacilli from Saline Soils of Eastern Indo-gangetic Plains of India. Geomicrobiology Journal, 2015, 32, 170-180.	1.0	51
14	Plant growth promoting and antifungal activity in endophytic Bacillus strains from pearl millet (Pennisetum glaucum). Brazilian Journal of Microbiology, 2020, 51, 229-241.	0.8	51
15	Switching to nanonutrients for sustaining agroecosystems and environment: the challenges and benefits in moving up from ionic to particle feeding. Journal of Nanobiotechnology, 2022, 20, 19.	4.2	51
16	Functional characterization of endophytic bacilli from pearl millet (Pennisetum glaucum) and their possible role in multiple stress tolerance. Plant Biosystems, 2020, 154, 503-514.	0.8	47
17	Characterization of three new Yr9-virulences and identification of sources of resistance among recently developed Indian bread wheat germplasm. Journal of Plant Pathology, 2019, 101, 955-963.	0.6	46
18	Optimization of media components for chitinase production by chickpea rhizosphere associated Lysinibacillus fusiformis Bâ€CM18. Journal of Basic Microbiology, 2013, 53, 451-460.	1.8	42

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19	Population distribution and differentiation of Puccinia graminis tritici detected in the Indian subcontinent during 2009â€“2015. Crop Protection, 2018, 108, 128-136.	1.0	42
20	Biocontrol Potential of Salt-Tolerant Trichoderma and Hypocrea Isolates for the Management of Tomato Root Rot Under Saline Environment. Journal of Soil Science and Plant Nutrition, 2020, 20, 160-176.	1.7	41
21	Characterization of antagonisticâ€potential of two Bacillus strains and their biocontrol activity against Rhizoctonia solani in tomato. Journal of Basic Microbiology, 2015, 55, 82-90.	1.8	40
22	Molecular breeding technologies and strategies for rust resistance in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (	1.2	40
23	Identification and Characterization of Microsatellite from Alternaria brassicicola to Assess Cross-Species Transferability and Utility as a Diagnostic Marker. Molecular Biotechnology, 2014, 56, 1049-1059.	1.3	38
24	Enhancement in Plant Growth and Zinc Biofortification of Chickpea (Cicer arietinum L.) by Bacillus altitudinis. Journal of Soil Science and Plant Nutrition, 2021, 21, 922-935.	1.7	38
25	Comparative analysis of microsatellites in five different antagonistic Trichoderma species for diversity assessment. World Journal of Microbiology and Biotechnology, 2016, 32, 8.	1.7	36
26	Nanotechnology for the Detection and Diagnosis of Plant Pathogens. Sustainable Agriculture Reviews, 2016, , 253-276.	0.6	35
27	Isolation and characterization of halotolerant bacilli from chickpea (Cicer arietinum L.) rhizosphere for plant growth promotion and biocontrol traits. European Journal of Plant Pathology, 2019, 153, 787-800.	0.8	35
28	Karnal Bunt: A Re-Emerging Old Foe of Wheat. Frontiers in Plant Science, 2020, 11, 569057.	1.7	30
29	Cross-species transferability of microsatellite markers from Fusarium oxysporum for the assessment of genetic diversity in Fusarium udum. Phytoparasitica, 2013, 41, 615-622.	0.6	27
30	Halotolerant Exiguobacterium profundum PHM11 Tolerate Salinity by Accumulating L-Proline and Fine-Tuning Gene Expression Profiles of Related Metabolic Pathways. Frontiers in Microbiology, 2018, 9, 423.	1.5	25
31	Mating type genes and genetic markers to decipher intraspecific variability among Fusarium udum isolates from pigeonpea. Journal of Basic Microbiology, 2015, 55, 846-856.	1.8	24
32	Genetic diversity, mating types and phylogenetic analysis of Indian races of Fusarium oxysporum f. sp. ciceris from chickpea. Archives of Phytopathology and Plant Protection, 2016, 49, 533-553.	0.6	24
33	Isolation and characterization of biosurfactant producing Bacillus sp. from diesel fuel-contaminated site. Microbiology, 2016, 85, 56-62.	0.5	23
34	DNA Barcoding for Diagnosis and Monitoring of Fungal Plant Pathogens. Fungal Biology, 2017, , 87-122.	0.3	23
35	Nanotechnology Scope and Applications for Wheat Production and Quality Enhancement:A Review of Recent Advances. Journal of Cereal Research, 2018, 10, .	0.2	21
36	Population genetic structure of Rhizoctonia solani AG1IA from rice field in North India. Phytoparasitica, 2017, 45, 299-316.	0.6	19

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37	Genetic engineering approaches to enhance oil content in oilseed crops. Plant Growth Regulation, 2017, 83, 207-222.	1.8	19
38	Nanomaterials for Postharvest Management of Insect Pests: Current State and Future Perspectives. Frontiers in Nanotechnology, 2022, 3, .	2.4	19
39	Nanopesticides: Current status and scope for their application in agriculture. Plant Protection Science, 2021, 58, 1-17.	0.7	19
40	Identifying some additional rust resistance genes in Indian wheat varieties using robust markers. Cereal Research Communications, 2017, 45, 633-646.	0.8	17
41	Temporal Transcriptional Changes in SAR and Sugar Transport-Related Genes During Wheat and Leaf Rust Pathogen Interactions. Journal of Plant Growth Regulation, 2018, 37, 826-839.	2.8	17
42	Deciphering rhizosphere microbiome for the development of novel bacterial consortium and its evaluation for salt stress management in solanaceous crops in India. Indian Phytopathology, 2019, 72, 479-488.	0.7	17
43	Computational Mining and Genome Wide Distribution of Microsatellite in Fusarium oxysporum f. sp. lycopersici. Notulae Scientia Biologicae, 2012, 4, 127-131.	0.1	16
44	Draft genome sequence of a cold-adapted phosphorous-solubilizing Pseudomonas koreensis P2 isolated from Sela Lake, India. 3 Biotech, 2019, 9, 256.	1.1	16
45	Stage-specific reprogramming of defense responsive genes during Lr24-mediated leaf rust resistance in wheat. Journal of Plant Pathology, 2019, 101, 283-293.	0.6	16
46	A rapid colorimetric LAMP assay for detection of Rhizoctonia solani AG-1 IA causing sheath blight of rice. Scientific Reports, 2020, 10, 22022.	1.6	16
47	New and emerging technologies for detecting Magnaporthe oryzae causing blast disease in crop plants. Crop Protection, 2021, 143, 105473.	1.0	15
48	Wheat endophytes and their potential role in managing abiotic stress under changing climate. Journal of Applied Microbiology, 2022, 132, 2501-2520.	1.4	14
49	Biotechnological Approaches for Host Plant Resistance to Insect Pests. Frontiers in Genetics, 0, 13, .	1.1	14
50	Phylogeography and Population Structure Analysis Reveal Diversity by Gene Flow and Mutation in Ustilago segetum (Pers.) Roussel tritici Causing Loose Smut of Wheat. Frontiers in Microbiology, 2019, 10, 1072.	1.5	13
51	Nanosensors for Plant Disease Diagnosis: Current Understanding and Future Perspectives. , 2019, , 189-205.		13
52	Molecular detection and in silico characterization of cold shock protein coding gene (cspA) from cold adaptive Pseudomonas koreensis. Journal of Plant Biochemistry and Biotechnology, 2019, 28, 405-413.	0.9	12
53	Molecular Diagnostic Assay for Rapid Detection of Flag Smut Fungus (Urocystis agropyri) in Wheat Plants and Field Soil. Frontiers in Plant Science, 2020, 11, 1039.	1.7	12
54	Physiologic Specialization and Genetic Differentiation ofPuccinia triticinaCausing Leaf Rust of Wheat on the Indian Subcontinent During 2016 to 2019. Plant Disease, 2021, 105, 1992-2000.	0.7	12

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55	Exploitation of Multifarious Abiotic Stresses, Antagonistic Activity and Plant Growth Promoting Attributes of Bacillus amyloliquefaciens AH53 for Sustainable Agriculture Production. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 751-763.	0.0	12
56	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. Agronomy, 2021, 11, 1087.	1.3	11
57	Draft Genome Sequence of Halotolerant Bacterium Chromohalobacter salexigens ANJ207, Isolated from Salt Crystal Deposits in Pipelines. Microbiology Resource Announcements, 2019, 8, .	0.3	10
58	Nanotechnology in Wheat Production and Protection. Environmental Chemistry for A Sustainable World, 2020, , 165-194.	0.3	10
59	Genes of Microorganisms: Paving Way to Tailor Next Generation Fungal Disease Resistant Crop Plants. Notulae Scientia Biologicae, 2011, 3, 147-157.	0.1	9
60	Identification and characterization of ethanol utilizing fungal flora of oil refinery contaminated soil. World Journal of Microbiology and Biotechnology, 2014, 30, 705-714.	1.7	9
61	Deciphering the salinity adaptation mechanism in Penicilliopsis clavariiformis AP, a rare salt tolerant fungus from mangrove. Journal of Basic Microbiology, 2016, 56, 779-791.	1.8	9
62	Induction of systemic tolerance to Tilletia indica in wheat by plant defence activators. Archives of Phytopathology and Plant Protection, 2018, 51, 1-13.	0.6	9
63	First De Novo Draft Genome Sequence of the Pathogenic Fungus Fusarium udum F02845, Associated with Pigeonpea (Cajanus cajan L. Millspaugh) Wilt. Microbiology Resource Announcements, 2018, 7, .	0.3	9
64	noxB-based marker for Alternaria spp.: a new diagnostic marker for specific and early detection in crop plants. 3 Biotech, 2019, 9, 249.	1.1	9
65	Zinc-Solubilizing Microbes for Sustainable Crop Production: Current Understanding, Opportunities, and Challenges. , 2020, , 281-298.		9
66	RNA interference- a novel approach for plant disease management. Journal of Applied and Natural Science, 2017, 9, 1612-1618.	0.2	9
67	Comparison of molecular and phenetic typing methods to assess diversity of selected members of the genus Bacillus. Microbiology, 2015, 84, 236-246.	0.5	8
68	Morphological characterization and screening for sheath blight resistance using Indian isolates of Rhizoctonia solani AG1IA. Indian Phytopathology, 2019, 72, 107-124.	0.7	8
69	Identification of Novel Microsatellite Markers to Assess the Population Structure and Genetic Differentiation of Ustilago hordei Causing Covered Smut of Barley. Frontiers in Microbiology, 2020, 10, 2929.	1.5	8
70	Editorial: Plant Microbiome: Interactions, Mechanisms of Action, and Applications. Frontiers in Microbiology, 2021, 12, 706049.	1.5	8
71	Virulence and molecular diversity among Puccinia striiformis f. sp. tritici pathotypes identified in India between 2015 and 2019. Crop Protection, 2021, 148, 105717.	1.0	8
72	Detection and Diagnosis of Seed-Borne Viruses and Virus-Like Pathogens. , 2020, , 169-199.		8

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73	Transcriptome Analysis to Understand Salt Stress Regulation Mechanism of Chromohalobacter salexigens ANJ207. Frontiers in Microbiology, 0, 13, .	1.5	8
74	Panâ€genome analysis of Exiguobacterium reveals species delineation and genomic similarity with Exiguobacterium profundumÂPHM 11. Environmental Microbiology Reports, 2020, 12, 639-650.	1.0	7
75	Microbes for Cold Stress Resistance in Plants: Mechanism, Opportunities, and Challenges. Rhizosphere Biology, 2020, , 269-292.	0.4	7
76	Genome-Wide Analysis of Microsatellites in Alternaria arborescens and Elucidation of the Function of Polyketide Synthase (PksJ). Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 813-822.	2.2	6
77	Antibiotic gene specific characterization and ARDRA analysis of native isolates of Pseudomonas spp. from Jammu, India. Indian Phytopathology, 2018, 71, 225-233.	0.7	6
78	Impact of climate change on insect pests of riceâ€“wheat cropping system: recent trends and mitigation strategies. , 2021, , 225-239.		6
79	Analysis of Biosynthetic Gene Clusters, Secretory, and Antimicrobial Peptides Reveals Environmental Suitability of Exiguobacterium profundum PHM11. Frontiers in Microbiology, 2021, 12, 785458.	1.5	6
80	Characterization of five new pathotypes of Puccinia triticina identified from Northeast India, Nepal, and Bangladesh. Australasian Plant Pathology, 2022, 51, 315-325.	0.5	6
81	Difenoconazole: A new seed dressing molecule for effective management of flag smut (Urocystis) Tj ETQq1 1 0.784314 rgBT /Overloc	0.2	5
82	Phyllosphere microbiome: modern prospectus and application. , 2021, , 345-366.		4
83	Resistance inducers and their role in reinforcing wheat defense system against fungal pathogens. Journal of Cereal Research, 2022, 13, .	0.0	4
84	Virulence and molecular analysis of atypical pathotypes of yellow rust pathogen in India. Indian Phytopathology, 2019, 72, 187-194.	0.7	3
85	Development and characterization of novel microsatellite markers in Puccinia striiformis f.sp. tritici and their transferability in Puccinia species. Journal of Phytopathology, 2020, 168, 120-128.	0.5	3
86	A review of advances in bioremediation of heavy metals by microbes and plants. Journal of Natural Resource Conservation and Management, 2021, 2, 65.	0.3	3
87	Effect of weather variables on the incidence of yellow stem borer (Scirpophaga incertulas W.) and leaf folder (Cnaphalocrocis medinalis G.) in rice. Journal of Cereal Research, 2019, 11, .	0.2	3
88	Mycorrhizal fungi and its importance in plant health amelioration. , 2021, , 205-223.		2
89	Plant virome: current understanding, mechanisms, and role in phytobiome. , 2021, , 53-81.		2
90	Disease Spectrum in Wheat and Barley Under Different Agro-Ecological Conditions in India and Management Strategies. , 2020, , 57-79.		2

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91	Nanotechnology for Wheat and Barley Health Management: Current Scenario and Future Prospectus. , 2022, , 337-363.		2
92	Development and evaluation of high yielding, multiple disease resistant bread wheat variety - Karan Vandana (DBW187). Journal of Cereal Research, 2020, 12, .	0.0	1
93	Population Biology of Wheat Blast Pathogen. , 2020, , 19-34.		1
94	DBW222 (Karan Narendra): A new high-yielding, lodging-tolerant wheat variety for North Western plains of India. Crop Breeding and Applied Biotechnology, 2020, 20, .	0.1	1
95	Induced Resistance for Sustainable Management of Wheat Diseases. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 385-408.	0.3	1
96	Field screening and identification of stable resistance sources in wheat germplasm against loose smut disease caused by Ustilago segetum var. tritici. Journal of Cereal Research, 2022, 14, .	0.0	1
97	Ecology, Population Biology and Management of Chilli Anthracnose. Sustainable Agriculture Reviews, 2018, , 361-388.	0.6	0
98	Identification of multiple rust resistant bread wheat genotypes. Journal of Cereal Research, 2021, 13, .	0.0	0
99	Evolution, Adaptation, and Host Selection by Plant Viruses: Current Understanding and Future Perspectives. , 2017, , 221-258.		0
100	Efficacy of few selected insecticides for the management of foliar aphid complex in barley. Journal of Cereal Research, 2019, 10, .	0.2	0
101	Identification and Diagnosis of Wheat Blast. , 2020, , 35-52.		0
102	Editorial: Plant Microbiome: Interactions, Mechanisms of Action, and Applications, Volume II. Frontiers in Microbiology, 2022, 13, .	1.5	0