

Meenu Saraf

List of Publications by Year in Descending Order

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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.

81
papers

1,458
citations

20
h-index

36
g-index

82
ext. papers

1,808
ext. citations

3.2
avg, IF

5.41
L-index

#	Paper	IF	Citations
81	Host plant rhizo-microbiome interactions: Seasonal variation and microbial community structure analysis associated with Barleria prionitis. <i>Ecological Genetics and Genomics</i> , 2022 , 22, 100109	1.4	0
80	Perceiving SARS-CoV-2 Mpro and PLpro dual inhibitors from pool of recognized antiviral compounds of endophytic microbes: an in silico simulation study.. <i>Structural Chemistry</i> , 2022 , 1-25	1.8	2
79	Exemplifying the next generation of antibiotic susceptibility intensifiers of phytochemicals by LasR-mediated quorum sensing inhibition. <i>Scientific Reports</i> , 2021 , 11, 22421	4.9	3
78	Articulating the exuberant intricacies of bacterial exopolysaccharides to purge environmental pollutants. <i>Heliyon</i> , 2021 , 7, e08446	3.6	1
77	Identifying structural-functional analogue of GRL0617, the only well-established inhibitor for papain-like protease (PLpro) of SARS-CoV2 from the pool of fungal metabolites using docking and molecular dynamics simulation. <i>Molecular Diversity</i> , 2021 , 1	3.1	17
76	Bacterial Indole-3-Acetic Acid Influences Soil Nitrogen Acquisition in Barley and Chickpea. <i>Plants</i> , 2021 , 10,	4.5	2
75	Meticulous assessment of natural compounds from NPASS database for identifying analogue of GRL0617, the only known inhibitor for SARS-CoV2 papain-like protease (PLpro) using rigorous computational workflow. <i>Molecular Diversity</i> , 2021 , 1	3.1	10
74	Genomic appraisal of Klebsiella PGPB isolated from soil to enhance the growth of barley. <i>Genes and Genomics</i> , 2021 , 43, 869-883	2.1	
73	Polyhydroxyalkanoates: An Exotic Gleam in the Gloomy Tale of Plastics. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2013-2032	4.5	8
72	Curse of La Corona: unravelling the scientific and psychological conundrums of the 21st century pandemic. <i>Molecular Diversity</i> , 2021 , 1	3.1	6
71	Exemplifying an archetypal thorium-EPS complexation by novel thoriotolerant Providencia thoriotolerans AM3. <i>Scientific Reports</i> , 2021 , 11, 3189	4.9	6
70	Decoding the mojo of plant-growth-promoting microbiomes. <i>Physiological and Molecular Plant Pathology</i> , 2021 , 115, 101687	2.6	2
69	Sterenin M as a potential inhibitor of SARS-CoV-2 main protease identified from MeFSAT database using molecular docking, molecular dynamics simulation and binding free energy calculation. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104568	7	13
68	Microbial enzyme, 1-aminocyclopropane-1-carboxylic acid (ACC) deaminase: An elixir for plant under stress. <i>Physiological and Molecular Plant Pathology</i> , 2021 , 115, 101664	2.6	1
67	Repurposing the antibacterial drugs for inhibition of SARS-CoV2-PLpro using molecular docking, MD simulation and binding energy calculation. <i>Molecular Diversity</i> , 2021 , 1	3.1	3
66	Breaking bad: Better call gingerol for improving antibiotic susceptibility of Pseudomonas aeruginosa by inhibiting multiple quorum sensing pathways. <i>Microbiological Research</i> , 2021 , 252, 126863 ⁵⁻³		5
65	Microbial technologies in textile industries: an elixir for the greener environment 2021 , 173-189		0

64	Comprehensive depiction of novel heavy metal tolerant and EPS producing bioluminescent <i>Vibrio alginolyticus</i> PBR1 and <i>V. rotiferianus</i> PBL1 confined from marine organisms. <i>Microbiological Research</i> , 2020 , 238, 126526	5.3	5
63	Microbes as a boon for the bane of heavy metals. <i>Environmental Sustainability</i> , 2020 , 3, 233-255	2.9	8
62	Reckoning a fungal metabolite, Pyranonigrin A as a potential Main protease (M) inhibitor of novel SARS-CoV-2 virus identified using docking and molecular dynamics simulation. <i>Biophysical Chemistry</i> , 2020 , 264, 106425	3.5	41
61	The rise of gingerol as anti-QS molecule: Darkest episode in the LuxR-mediated bioluminescence saga. <i>Bioorganic Chemistry</i> , 2020 , 99, 103823	5.1	17
60	Twin Peaks: Presenting the Antagonistic Molecular Interplay of Curcumin with LasR and LuxR Quorum Sensing Pathways. <i>Current Microbiology</i> , 2020 , 77, 1800-1810	2.4	13
59	Synergistic effect of endophytic selenobacteria on biofortification and growth of <i>Glycine max</i> under drought stress. <i>South African Journal of Botany</i> , 2020 , 134, 27-35	2.9	11
58	Characterization of novel thorium tolerant <i>Ochrobactrum intermedium</i> AM7 in consort with assessing its EPS-Thorium binding. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122047	12.8	16
57	Role of lipopolysaccharide extracted from <i>Alcaligenes faecalis</i> as elicitor for the induction of plant defense against fusarium wilt. <i>Journal of Plant Pathology</i> , 2020 , 102, 351-357	1	1
56	Biosynthesis and purification of indole-3-acetic acid by halotolerant rhizobacteria isolated from Little Runn of Kachchh. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 23, 101435	4.2	8
55	Revisiting the plant growth-promoting rhizobacteria: lessons from the past and objectives for the future. <i>Archives of Microbiology</i> , 2020 , 202, 665-676	3	27
54	Walking through the wonder years of artificial DNA: peptide nucleic acid. <i>Molecular Biology Reports</i> , 2020 , 47, 8113-8131	2.8	6
53	Optimization of cadmium and lead biosorption onto marine <i>Vibrio alginolyticus</i> PBR1 employing a Box-Behnken design. <i>Chemical Engineering Journal Advances</i> , 2020 , 4, 100043	3.6	4
52	Enhanced detection of heavy metals using <i>Vibrio alginolyticus</i> PBR1 by optimizing luminescence medium through statistical modeling. <i>Environmental Sustainability</i> , 2020 , 3, 437-452	2.9	
51	Proposing a fungal metabolite-flaviolin as a potential inhibitor of 3CL of novel coronavirus SARS-CoV-2 identified using docking and molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-13	3.6	19
50	Isolation and screening of bacteria from radionuclide containing soil for bioremediation of contaminated sites. <i>Environmental Sustainability</i> , 2019 , 2, 255-264	2.9	5
49	Depicting the exemplary knowledge of microbial exopolysaccharides in a nutshell. <i>European Polymer Journal</i> , 2019 , 119, 298-310	5.2	23
48	Analysis of Indole-3-acetic Acid (IAA) Production in by LC-MS/MS and the Salkowski Method. <i>Bio-protocol</i> , 2019 , 9, e3230	0.9	17
47	Plant Growth-Promoting Rhizobacteria (PGPR) as Protagonists of Ever-Sustained Agriculture: An Introduction. <i>Sustainable Development and Biodiversity</i> , 2019 , 1-10	2.1	3

46	Rhizospheric Microflora: A Natural Alleviator of Drought Stress in Agricultural Crops. <i>Microorganisms for Sustainability</i> , 2019 , 103-115	1.1	6
45	Selenorhizobacteria : As biofortification tool in sustainable agriculture. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018 , 14, 198-203	4.2	18
44	Mutualism between SGM 81 and in modulating root plasticity and rhizospheric bacterial density. <i>Plant and Soil</i> , 2018 , 424, 273-288	4.2	16
43	Iron biofortification in mungbean using siderophore producing plant growth promoting bacteria. <i>Environmental Sustainability</i> , 2018 , 1, 357-365	2.9	33
42	Interaction of root colonizing biocontrol agents demonstrates the antagonistic effect against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> on tomato. <i>European Journal of Plant Pathology</i> , 2017 , 149, 425-433 ¹	3.1	7
41	Biocontrol efficacy of <i>Trichoderma asperellum</i> MSST against tomato wilting by <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2017 , 50, 228-238	1	24
40	Strategic enhancement of <i>Desertifilum tharense</i> MSAK01 on dairy wastewater: an integrated approach for remediation and biomass production. <i>Applied Water Science</i> , 2017 , 7, 2779-2785	5	1
39	Biofortification of <i>Triticum aestivum</i> through the inoculation of zinc solubilizing plant growth promoting rhizobacteria in field experiment. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017 , 9, 120-126 ²	4.2	40
38	Radiation, radionuclides and bacteria: An in-perspective review. <i>Journal of Environmental Radioactivity</i> , 2017 , 180, 27-35	2.4	45
37	Unravelling the Interaction of Plant and Their Phyllosphere Microbiome 2017 , 157-172		3
36	Elicitation of plant defense enzymes against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> in tomato plant using a novel rhizobacteria <i>Providencia rettgeri</i> MSS2. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017 , 12, 308-313	4.2	0
35	Biosynthesis of phytohormones from novel rhizobacterial isolates and their in vitro plant growth-promoting efficacy. <i>Journal of Plant Interactions</i> , 2017 , 12, 480-487	3.8	57
34	Multifarious allelochemicals exhibiting antifungal activity from <i>Bacillus subtilis</i> MBCU5. <i>3 Biotech</i> , 2017 , 7, 175	2.8	1
33	Bacterial Determinants and Plant Defense Induction: Their Role as Biocontrol Agents in Sustainable Agriculture 2016 , 187-204		7
32	Perspectives and Application of Halophilic Enzymes. <i>Sustainable Development and Biodiversity</i> , 2015 , 403-419	2.1	8
31	Purification and characterization of antifungal chitinase from <i>Bacillus safensis</i> MBCU6 and its application for production of chito-oligosaccharides. <i>Biologia (Poland)</i> , 2015 , 70, 863-868	1.5	6
30	Isolation and identification of allelochemicals produced by <i>B. sonorensis</i> for suppression of charcoal rot of <i>Arachis hypogaea</i> L. <i>Journal of Basic Microbiology</i> , 2015 , 55, 635-44	2.7	10
29	Antifungal Compounds from <i>Pseudomonads</i> and the Study of Their Molecular Features for Disease Suppression Against Soil Borne Pathogens 2015 , 179-192		1

28	Development of microbial consortia as a biocontrol agent for effective management of fungal diseases in Glycine max L.. <i>Archives of Phytopathology and Plant Protection</i> , 2015 , 48, 459-474	1	29
27	Emergence of Methylobacterium spp. as Potential Organism in Agroecosystems. <i>Sustainable Development and Biodiversity</i> , 2015 , 53-68	2.1	1
26	Role of allelochemicals in plant growth promoting rhizobacteria for biocontrol of phytopathogens. <i>Microbiological Research</i> , 2014 , 169, 18-29	5.3	174
25	Comparative Study of Different Soil Amendments and Microbes for Integrated Nutrient Management and Growth Promotion of Jatropha Curcas. <i>Journal of Plant Nutrition</i> , 2014 , 37, 2209-2226 ^{2,3}		5
24	Assessment of ecological diversity of rhizobacterial communities in vermicompost and analysis of their potential to improve plant growth. <i>Biologia (Poland)</i> , 2014 , 69, 968-976	1.5	10
23	Application of Statistically Based Experimental Designs to Optimize Cellulase Production and Identification of Gene. <i>Natural Products and Bioprospecting</i> , 2014 , 4, 341-51	4.9	15
22	In Vitro Evaluation of PGPR Strains for Their Biocontrol Potential Against Fungal Pathogens 2014 , 293-305		2
21	Influence of soil ameliorants and microflora on induction of antioxidant enzymes and growth promotion of Jatropha curcas L. under saline condition. <i>European Journal of Soil Biology</i> , 2013 , 55, 47-54 ^{2,9}		37
20	Integrated Diseases Management in Groundnut for Sustainable Productivity 2013 , 351-377		3
19	Rhizobacteria for Management of Nematode Disease in Plants 2013 , 379-404		5
18	Potential of Rhizobia in Productivity Enhancement of Macrotyloma uniflorum L. and Phaseolus vulgaris L. Cultivated in the Western Himalaya 2013 , 127-165		5
17	Growth Enhancement of Chickpea in Saline Soils Using Plant Growth-Promoting Rhizobacteria. <i>Journal of Plant Growth Regulation</i> , 2012 , 31, 53-62	4.7	54
16	Stimulation of the growth of Jatropha curcas by the plant growth promoting bacterium Enterobacter cancerogenus MSA2. <i>World Journal of Microbiology and Biotechnology</i> , 2012 , 28, 891-9	4.4	48
15	Evaluation and biochemical characterization of a distinctive pyoverdine from a pseudomonas isolated from chickpea rhizosphere. <i>Brazilian Journal of Microbiology</i> , 2012 , 43, 639-48	2.2	28
14	Isolation of Rhizobacteria from Jatropha curcas and characterization of produced ACC deaminase. <i>Journal of Basic Microbiology</i> , 2012 , 52, 285-95	2.7	21
13	Evaluation of Multispecies Plant-Growth-Promoting Consortia for the Growth Promotion of Jatropha curcas L.. <i>Journal of Plant Growth Regulation</i> , 2012 , 31, 588-598	4.7	37
12	Nutrient Availability and Management in the Rhizosphere by Microorganisms 2012 , 301-326		9
11	Hormonal Signaling by PGPR Improves Plant Health Under Stress Conditions 2012 , 119-140		2

10	Perspectives of PGPR in Agri-Ecosystems 2011 , 361-385		6
9	Salinity-resistant plant growth promoting rhizobacteria ameliorates sodium chloride stress on tomato plants. <i>Journal of Plant Interactions</i> , 2010 , 5, 51-58	3.8	238
8	The Role of ACC Deaminase Producing PGPR in Sustainable Agriculture. <i>Microbiology Monographs</i> , 2010 , 365-385	0.8	22
7	Combinatorial assessment on dominance and informative diversity of PGPR from rhizosphere of <i>Jatropha curcas</i> L. <i>Journal of Basic Microbiology</i> , 2010 , 50, 211-7	2.7	25
6	Enhancement of plant growth and decontamination of nickel-spiked soil using PGPR. <i>Journal of Basic Microbiology</i> , 2009 , 49, 195-204	2.7	87
5	Effect of 2,4-D on NR, NiR and Leghaemoglobin Synthesis in Root Nodules Formed by <i>Bradyrhizobium japonicum</i> in <i>Glycine max.</i> . <i>Microbes and Environments</i> , 1999 , 14, 219-225	2.6	1
4	Effect of carbaryl and 2,4-D to nitrogenase and uptake hydrogenase in agar cultures and root nodules formed by <i>Rhizobium leguminosarum.</i> . <i>Journal of General and Applied Microbiology</i> , 1994 , 40, 569-574	1.5	5
3	Effects of carbaryl and 2,4-D on growth, nitrogenase and uptake hydrogenase activity in agar culture and root nodules formed by <i>Bradyrhizobium japonicum</i> . <i>Microbiological Research</i> , 1994 , 149, 401-406	5.3	3
2	COMPREHENSIVE EVALUATION OF EXPRESSION PLATFORM: CHERRY PICKING THE RIGHT TO ACCOMPLISH THE BEST. <i>Towards Excellence</i> ,143-165		
1	Evaluation of selenium biofortification strategies in <i>Phaseolus vulgaris</i> through selenocysteine methyltransferase gene expression. <i>Environmental Sustainability</i> ,1	2.9	