

# Chandra Nautiyal

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,236  
citations

394421

19  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2511  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Pseudomonas putida</i> attunes morphophysiological, biochemical and molecular responses in <i>Cicer arietinum</i> L. during drought stress and recovery. <i>Plant Physiology and Biochemistry</i> , 2016, 99, 108-117.	5.8	346
2	Plant growth-promoting bacteria <i>Bacillus amyloliquefaciens</i> NBRISN13 modulates gene expression profile of leaf and rhizosphere community in rice during salt stress. <i>Plant Physiology and Biochemistry</i> , 2013, 66, 1-9.	5.8	332
3	Changes in Bacterial Community Structure of Agricultural Land Due to Long-Term Organic and Chemical Amendments. <i>Microbial Ecology</i> , 2012, 64, 450-460.	2.8	286
4	Synergistic effect of <i>Pseudomonas putida</i> and <i>Bacillus amyloliquefaciens</i> ameliorates drought stress in chickpea ( <i>Cicer arietinum</i> L.). <i>Plant Signaling and Behavior</i> , 2016, 11, e1071004.	2.4	157
5	Induction of Plant Defense Enzymes and Phenolics by Treatment With Plant Growth-Promoting Rhizobacteria <i>Serratia marcescens</i> NBRI1213. <i>Current Microbiology</i> , 2006, 52, 363-368.	2.2	136
6	A Functional Genomic Perspective on Drought Signalling and its Crosstalk with Phytohormone-mediated Signalling Pathways in Plants. <i>Current Genomics</i> , 2017, 18, 469-482.	1.6	123
7	Gene expression profiling through microarray analysis in <i>Arabidopsis thaliana</i> colonized by <i>Pseudomonas putida</i> MTCC5279, a plant growth promoting rhizobacterium. <i>Plant Signaling and Behavior</i> , 2012, 7, 235-245.	2.4	95
8	Transcriptional alterations reveal <i>Bacillus amyloliquefaciens</i> -rice cooperation under salt stress. <i>Scientific Reports</i> , 2019, 9, 11912.	3.3	84
9	Tripartite interactions among <i>Paenibacillus lentimorbus</i> NRRL B-30488, <i>Piriformospora indica</i> DSM 11827, and <i>Cicer arietinum</i> L.. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1393-1399.	3.6	81
10	<i>Paenibacillus lentimorbus</i> Inoculation Enhances Tobacco Growth and Extenuates the Virulence of Cucumber mosaic virus. <i>PLoS ONE</i> , 2016, 11, e0149980.	2.5	75
11	Southern blight disease of tomato control by 1-aminocyclopropane-1-carboxylate (ACC) deaminase producing <i>Paenibacillus lentimorbus</i> B-30488. <i>Plant Signaling and Behavior</i> , 2016, 11, e1113363.	2.4	60
12	<i>Chlorella vulgaris</i> and <i>Pseudomonas putida</i> interaction modulates phosphate trafficking for reduced arsenic uptake in rice ( <i>Oryza sativa</i> L.). <i>Journal of Hazardous Materials</i> , 2018, 351, 177-187.	12.4	60
13	Medicinal smoke reduces airborne bacteria. <i>Journal of Ethnopharmacology</i> , 2007, 114, 446-451.	4.1	57
14	Rhizosphere competent <i>Pantoea agglomerans</i> enhances maize ( <i>Zea mays</i> ) and chickpea ( <i>Cicer arietinum</i> ) Tj ETQq0 0 0 rgBT /Overlock 1 405-413.	1.7	50
15	Drought tolerant <i>Ochrobactrum</i> sp. inoculation performs multiple roles in maintaining the homeostasis in <i>Zea mays</i> L. subjected to deficit water stress. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 1-14.	5.8	47
16	Environmental <i>Escherichia coli</i> occur as natural plant growth-promoting soil bacterium. <i>Archives of Microbiology</i> , 2010, 192, 185-193.	2.2	46
17	Root system architecture, physiological analysis and dynamic transcriptomics unravel the drought-responsive traits in rice genotypes. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111252.	6.0	39
18	Uncultured bacterial diversity in tropical maize ( <i>Zea mays</i> L.) rhizosphere. <i>Journal of Basic Microbiology</i> , 2011, 51, 15-32.	3.3	33

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19	Revealing the complexity of protein abundance in chickpea root under drought-stress using a comparative proteomics approach. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 88-102.	5.8	27
20	Demonstrating the potential of abiotic stress-tolerant <i>Jeotgalicoccus huakuii</i> NBRI 13E for plant growth promotion and salt stress amelioration. <i>Annals of Microbiology</i> , 2019, 69, 419-434.	2.6	20
21	De novo assembly and characterization of root transcriptome in two distinct morphotypes of vetiver, <i>Chrysopogon zizanioides</i> (L.) Roberty. <i>Scientific Reports</i> , 2015, 5, 18630.	3.3	18
22	Impact of salinity-tolerant MCM6 transgenic tobacco on soil enzymatic activities and the functional diversity of rhizosphere microbial communities. <i>Research in Microbiology</i> , 2012, 163, 511-517.	2.1	16
23	Self-cleansing properties of Ganga during mass ritualistic bathing on Maha-Kumbh. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 221.	2.7	16
24	<i>Pseudomonas putida</i> NBRIC19 provides protection to neighboring plant diversity from invasive weed <i>Parthenium hysterophorus</i> L. by altering soil microbial community. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2187-2195.	2.1	9
25	Metabolite Profiling Reveals Abiotic Stress Tolerance in Tn5 Mutant of <i>Pseudomonas putida</i> . <i>PLoS ONE</i> , 2015, 10, e0113487.	2.5	8
26	<i>Paenibacillus lentimorbus</i> Enhanced Abiotic Stress Tolerance Through Lateral Root Formation and Phytohormone Regulation. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2198-2209.	5.1	6
27	Reduced cell wall degradation plays a role in cow dung-mediated management of wilt complex disease of chickpea. <i>Biology and Fertility of Soils</i> , 2013, 49, 881-891.	4.3	5
28	Enhancement of Drought Tolerance in Transgenic <i>Arabidopsis thaliana</i> Plants Overexpressing Chickpea Ca14-3-3 Gene. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1544-1557.	5.1	3