

# Aradhana Mishra

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,564  
citations

430874

18  
h-index

454955

30  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1810  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Biocatalytic and antimicrobial activities of gold nanoparticles synthesized by <i>Trichoderma</i> sp.. <i>Bioresource Technology</i> , 2014, 166, 235-242.	9.6	209
3	Physico-Chemical Condition Optimization during Biosynthesis lead to development of Improved and Catalytically Efficient Gold Nano Particles. <i>Scientific Reports</i> , 2016, 6, 27575.	3.3	105
4	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
5	Protective role of biosynthesized silver nanoparticles against early blight disease in <i>Solanum lycopersicum</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 121, 216-225.	5.8	80
6	Tailoring shape and size of biogenic silver nanoparticles to enhance antimicrobial efficacy against MDR bacteria. <i>Microbial Pathogenesis</i> , 2017, 105, 346-355.	2.9	79
7	An insight into the mechanism of antifungal activity of biogenic nanoparticles than their chemical counterparts. <i>Pesticide Biochemistry and Physiology</i> , 2019, 157, 45-52.	3.6	77
8	Arsenic tolerant <i>Trichoderma</i> sp. reduces arsenic induced stress in chickpea ( <i>Cicer arietinum</i> ). <i>Environmental Pollution</i> , 2017, 223, 137-145.	7.5	73
9	Enhanced Cellular Internalization: A Bactericidal Mechanism More Relative to Biogenic Nanoparticles than Chemical Counterparts. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4519-4533.	8.0	62
10	<i>Paenibacillus lentimorbus</i> B-30488r controls early blight disease in tomato by inducing host resistance associated gene expression and inhibiting <i>Alternaria solani</i> . <i>Biological Control</i> , 2012, 62, 65-74.	3.0	57
11	Endophyte-Mediated Modulation of Defense-Related Genes and Systemic Resistance in <i>Withania somnifera</i> (L.) Dunal under <i>Alternaria alternata</i> Stress. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	56
12	Functional diversity of the microbial community in the rhizosphere of chickpea grown in diesel fuel-spiked soil amended with <i>Trichoderma reesei</i> using sole-carbon-source utilization profiles. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1175-1180.	3.6	42
13	Bacterial endophytes modulates the withanolide biosynthetic pathway and physiological performance in <i>Withania somnifera</i> under biotic stress. <i>Microbiological Research</i> , 2018, 212-213, 17-28.	5.3	32
14	Omics-Based Mechanistic Insight Into the Role of Bioengineered Nanoparticles for Biotic Stress Amelioration by Modulating Plant Metabolic Pathways. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 242.	4.1	32
15	<i>Trichoderma</i> inoculation augments grain amino acids and mineral nutrients by modulating arsenic speciation and accumulation in chickpea ( <i>Cicer arietinum</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2015, 117, 72-80.	6.0	31
16	Early blight disease management by herbal nanoemulsion in <i>Solanum lycopersicum</i> with bio-protective manner. <i>Industrial Crops and Products</i> , 2020, 150, 112421.	5.2	31
17	Intervention of bio-protective endophyte <i>Bacillus tequilensis</i> enhance physiological strength of tomato during <i>Fusarium</i> wilt infection. <i>Biological Control</i> , 2019, 139, 104074.	3.0	29
18	A Comprehensive Characterization of Simple Sequence Repeats in the Sequenced <i>Trichoderma</i> Genomes Provides Valuable Resources for Marker Development. <i>Frontiers in Microbiology</i> , 2016, 7, 575.	3.5	25

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19	Isolation and characterization of endophytic fungi having plant growth promotion traits that biosynthesizes bacosides and withanolides under in vitro conditions. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 1791-1805.	2.0	13
20	Finding a facile way for the bacterial DNA transformation by biosynthesized gold nanoparticles. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	12
21	Supplementation of <i>Trichoderma</i> improves the alteration of nutrient allocation and transporter genes expression in rice under nutrient deficiencies. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 351-363.	5.8	12
22	Effect of biosynthesized silver nanoparticles on native soil microflora via plant transport during plant-“pathogen”-nanoparticles interaction. <i>3 Biotech</i> , 2017, 7, 345.	2.2	11
23	A Green Nano-Synthesis to Explore the Plant Microbe Interactions. , 2019, , 85-105.		11
24	Green synthesis of biogenic silver particles, process parameter optimization and application as photocatalyst in dye degradation. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	11
25	Biogenic silver nanoparticles as a more efficient contrivance for wound healing acceleration than common antiseptic medicine. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	9
26	Comparative Study of the Development and Characterization of Ecofriendly Oil and Water Nanoemulsions for Improving Antifungal Activity. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 640-654.	2.3	9
27	External Supplement of Impulsive Micromanager <i>Trichoderma</i> Helps in Combating CO <sub>2</sub> Stress in Rice Grown Under FACE. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 1-13.	1.8	7
28	Hybridization of Chitosan and Biosynthesized Silver Nanoparticles to Enhance Antimicrobial Activity against Phytopathogens in Tomato ( <i>Solanum lycopersicum</i> ). <i>ACS Agricultural Science and Technology</i> , 2022, 2, 719-733.	2.3	6
29	A novel <i>Trichoderma fusant</i> for enhancing nutritional value and defence activity in chickpea. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 411-422.	3.1	5
30	<i>Bacillus subtilis</i> suppresses the charcoal rot disease by inducing defence responses and physiological attributes in soybean. <i>Archives of Microbiology</i> , 2022, 204, 266.	2.2	4
31	Interaction, fate and risks associated with nanomaterials as fertilizers and pesticides. , 2021, , 229-248.		2
32	Endophytic microbial interaction with legume crop for developing resistance against nutrient stress. , 2021, , 363-387.		2
33	Microbial formulation approaches in postharvest disease management. , 2021, , 279-305.		2
34	Endophytic Phytobiomes as Defense Elicitors: Current Insights and Future Prospects. , 2020, , 299-334.		0
35	Medicinal plants associated microflora as an unexplored niche of biopesticide. , 2022, , 247-259.		0