

# Sandhya Mishra

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,469  
citations

394421

19  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic and genotoxic effects of hexavalent chromium in environment and its bioremediation strategies. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2016, 34, 1-32.	2.9	320
2	Hexavalent chromium reduction potential of <i>Cellulosimicrobium</i> sp. isolated from common effluent treatment plant of tannery industries. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 102-109.	6.0	262
3	Heavy Metal Contamination: An Alarming Threat to Environment and Human Health. , 2019, , 103-125.		208
4	New insights into the degradation of synthetic pollutants in contaminated environments. <i>Chemosphere</i> , 2021, 268, 128827.	8.2	146
5	Recent Advanced Technologies for the Characterization of Xenobiotic-Degrading Microorganisms and Microbial Communities. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 632059.	4.1	140
6	Carbofuran toxicity and its microbial degradation in contaminated environments. <i>Chemosphere</i> , 2020, 259, 127419.	8.2	139
7	Biosurfactant is a powerful tool for the bioremediation of heavy metals from contaminated soils. <i>Journal of Hazardous Materials</i> , 2021, 418, 126253.	12.4	117
8	Insights Into the Microbial Degradation and Biochemical Mechanisms of Neonicotinoids. <i>Frontiers in Microbiology</i> , 2020, 11, 868.	3.5	117
9	Biotransformation of perfluoroalkyl acid precursors from various environmental systems: advances and perspectives. <i>Environmental Pollution</i> , 2021, 272, 115908.	7.5	107
10	Biotechnological basis of microbial consortia for the removal of pesticides from the environment. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 317-338.	9.0	107
11	Role of Industries in Water Scarcity and Its Adverse Effects on Environment and Human Health. , 2020, , 235-256.		103
12	Insights into the microbial degradation and catalytic mechanisms of chlorpyrifos. <i>Environmental Research</i> , 2021, 194, 110660.	7.5	95
13	Insights into the microbial degradation and biochemical mechanisms of carbamates. <i>Chemosphere</i> , 2021, 279, 130500.	8.2	76
14	Biofilm-mediated bioremediation is a powerful tool for the removal of environmental pollutants. <i>Chemosphere</i> , 2022, 294, 133609.	8.2	68
15	Plasmid-mediated catabolism for the removal of xenobiotics from the environment. <i>Journal of Hazardous Materials</i> , 2021, 420, 126618.	12.4	62
16	Insights into the Toxicity and Degradation Mechanisms of Imidacloprid Via Physicochemical and Microbial Approaches. <i>Toxics</i> , 2020, 8, 65.	3.7	60
17	Novel pathway of acephate degradation by the microbial consortium ZQ01 and its potential for environmental bioremediation. <i>Journal of Hazardous Materials</i> , 2022, 426, 127841.	12.4	55
18	Degradation of Acephate and Its Intermediate Methamidophos: Mechanisms and Biochemical Pathways. <i>Frontiers in Microbiology</i> , 2020, 11, 2045.	3.5	46

#	ARTICLE	IF	CITATIONS
19	Current Approaches to and Future Perspectives on Methomyl Degradation in Contaminated Soil/Water Environments. <i>Molecules</i> , 2020, 25, 738.	3.8	46
20	Biodegradation of fipronil: current state of mechanisms of biodegradation and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7695-7708.	3.6	33
21	Reduction of hexavalent chromium by <i>Microbacterium paraoxydans</i> isolated from tannery wastewater and characterization of its reduced products. <i>Journal of Water Process Engineering</i> , 2021, 39, 101748.	5.6	26
22	Environmental Occurrence, Toxicity Concerns, and Degradation of Diazinon Using a Microbial System. <i>Frontiers in Microbiology</i> , 2021, 12, 717286.	3.5	20
23	Exploration of the Quorum-Quenching Mechanism in <i>Pseudomonas nitroreducens</i> W-7 and Its Potential to Attenuate the Virulence of <i>Dickeya zeae</i> EC1. <i>Frontiers in Microbiology</i> , 2021, 12, 694161.	3.5	19
24	Quorum Quenching in a Novel <i>Acinetobacter</i> sp. XN-10 Bacterial Strain against <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . <i>Microorganisms</i> , 2020, 8, 1100.	3.6	18
25	Microbial Degradation of Aldrin and Dieldrin: Mechanisms and Biochemical Pathways. <i>Frontiers in Microbiology</i> , 2022, 13, 713375.	3.5	18
26	Emerging Technologies for Degradation of Dichlorvos: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5789.	2.6	17
27	Conventional Methods for the Removal of Industrial Pollutants, Their Merits and Demerits. , 2019, , 1-31.		16
28	Whole-Genome Sequencing Analysis of Quorum Quenching Bacterial Strain <i>Acinetobacter lactucae</i> QL-1 Identifies the FadY Enzyme for Degradation of the Diffusible Signal Factor. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6729.	4.1	13
29	Characterization of a Novel Quorum-Quenching Bacterial Strain, <i>Burkholderia anthina</i> HN-8, and Its Biocontrol Potential against Black Rot Disease Caused by <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Microorganisms</i> , 2020, 8, 1485.	3.6	11
30	Plant-Microbe Interaction: An Ecofriendly Approach for the Remediation of Metal Contaminated Environments. , 2020, , 444-450.		4
31	Involvement of Synergistic Interactions Between Plant and Rhizospheric Microbes for the Removal of Toxic/Hazardous Contaminants. <i>Rhizosphere Biology</i> , 2021, , 223-238.	0.6	0