

# Vineet Kumar

## List of Publications by Citations

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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.

46 papers	767 citations	15 h-index	27 g-index
74 ext. papers	947 ext. citations	5.6 avg, IF	5.55 L-index

#	Paper	IF	Citations
46	Phytoextraction of heavy metals by potential native plants and their microscopic observation of root growing on stabilised distillery sludge as a prospective tool for in situ phytoremediation of industrial waste. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 2605-2619	5.1	82
45	Heavy metal phytoextraction potential of native weeds and grasses from endocrine-disrupting chemicals rich complex distillery sludge and their histological observations during in-situ phytoremediation. <i>Ecological Engineering</i> , <b>2018</b> , 111, 143-156	3.9	75
44	Detection of Bacillus and Stenotrophomonas species growing in an organic acid and endocrine-disrupting chemical-rich environment of distillery spent wash and its phytotoxicity. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 26	3.1	66
43	Detection of Androgenic-Mutagenic Compounds and Potential Autochthonous Bacterial Communities during Bioremediation of Post-methanated Distillery Sludge. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 887	5.7	55
42	Characterisation of manganese peroxidase and laccase producing bacteria capable for degradation of sucrose glutamic acid-Maillard reaction products at different nutritional and environmental conditions. <i>World Journal of Microbiology and Biotechnology</i> , <b>2018</b> , 34, 32	4.4	54
41	Bioremediation: An Eco-sustainable Approach for Restoration of Contaminated Sites <b>2018</b> , 115-136		44
40	Phytoremediation of Environmental Pollutants: An Eco-Sustainable Green Technology to Environmental Management <b>2015</b> , 1-29		38
39	Metagenomics analysis of rhizospheric bacterial communities of growing on organometallic sludge of sugarcane molasses-based distillery. <i>3 Biotech</i> , <b>2020</b> , 10, 316	2.8	35
38	Evaluation of molasses-melanoidin decolourisation by potential bacterial consortium discharged in distillery effluent. <i>3 Biotech</i> , <b>2018</b> , 8, 187	2.8	32
37	Phytoextraction of heavy metals and ultrastructural changes of Ricinus communis L. grown on complex organometallic sludge discharged from alcohol distillery. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101382	7	26
36	Bioremediation potential of newly isolated Bacillus albus strain VKDS9 for decolourization and detoxification of biomethanated distillery effluent and its metabolites characterization for environmental sustainability. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 26, 102260	7	24
35	Detection and characterization of refractory organic and inorganic pollutants discharged in biomethanated distillery effluent and their phytotoxicity, cytotoxicity, and genotoxicity assessment using Phaseolus aureus L. and Allium cepa L. <i>Environmental Research</i> , <b>2021</b> , 201, 111551	7.9	20
34	Biodiesel production from transesterification of Serratia sp. ISTD04 lipids using immobilised lipase on biocomposite materials of biomineralized products of carbon dioxide sequestering bacterium. <i>Bioresource Technology</i> , <b>2020</b> , 307, 123193	11	16
33	Sustainable removal of Cr(VI) using graphene oxide-zinc oxide nanohybrid: Adsorption kinetics, isotherms and thermodynamics. <i>Environmental Research</i> , <b>2022</b> , 203, 111891	7.9	16
32	Application of metagenomics in remediation of contaminated sites and environmental restoration <b>2020</b> , 197-232		15
31	Biodegradation and detoxification of phenanthrene in in vitro and in vivo conditions by a newly isolated ligninolytic fungus Coriolopsis byrsina strain APC5 and characterization of their metabolites for environmental safety. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	14
30	Role of fungi and their enzymes in degradation and decolorization of distillery effluent for environmental safety <b>2021</b> , 277-300		14

29	An insight in bacteriophage based biosensors with focus on their detection methods and recent advancements. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101081	7	13
28	Biodegradation of Chemical Pollutants of Tannery Wastewater <b>2016</b> , 385-412		13
27	Bioremediation Approaches for Treatment of Pulp and Paper Industry Wastewater: Recent Advances and Challenges <b>2020</b> , 1-48		11
26	Advanced oxidation processes for complex wastewater treatment <b>2021</b> , 1-31		11
25	Extremophilic Ligninolytic Enzymes <b>2017</b> , 115-154		10
24	Extraction of lipids and production of biodiesel from secondary tannery sludge by in situ transesterification. <i>Bioresource Technology Reports</i> , <b>2020</b> , 11, 100446	4.1	10
23	Bioremediation of Melanoidins Containing Distillery Waste for Environmental Safety <b>2020</b> , 495-529		9
22	The Role of Bioreactors in Industrial Wastewater Treatment <b>2016</b> , 171-198		7
21	Phytocapping: an eco-sustainable green technology for environmental pollution control <b>2021</b> , 481-491		7
20	Evaluation of cytotoxicity and genotoxicity effects of refractory pollutants of untreated and biomethanated distillery effluent using <i>Allium cepa</i> .. <i>Environmental Pollution</i> , <b>2022</b> , 300, 118975	9.3	6
19	Recent Advances in Physicochemical and Biological Treatment Approaches for Distillery Wastewater <b>2020</b> , 79-118		6
18	Phytoremediation of Heavy Metals: An Indispensable Contrivance in Green Remediation Technology.. <i>Plants</i> , <b>2022</b> , 11,	4.5	6
17	Phytoaugmentation technology for phytoremediation of environmental pollutants: current scenario and future prospects <b>2021</b> , 329-381		5
16	Laboratory-Scale Bioremediation Experiments on Petroleum Hydrocarbon-Contaminated Wastewater of Refinery Plants <b>2015</b> , 249-262		4
15	Chromium (VI) detection by microbial carbon dots: Microwave synthesis and mechanistic study. <i>Journal of Basic Microbiology</i> , <b>2021</b> ,	2.7	3
14	Adsorptive remediation of naproxen from water using in-house developed hybrid material functionalized with iron oxide.. <i>Chemosphere</i> , <b>2021</b> , 289, 133222	8.4	3
13	Electrobioremediation of Contaminants: Concepts, Mechanisms, Applications and Challenges <b>2020</b> , 291-313		3
12	Enhanced recovery of polyhydroxyalkanoates from secondary wastewater sludge of sewage treatment plant: Analysis and process parameters optimization. <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100783	4.1	3

11	Microbe-Assisted Phytoremediation of Environmental Pollutants		2
10	Phytoremediation of distillery effluent: current progress, challenges, and future opportunities <b>2021</b> , 349-374		2
9	Distillery Effluent: Pollution Profile, Eco-friendly Treatment Strategies, Challenges and Future Prospects. <i>Microorganisms for Sustainability</i> , <b>2019</b> , 337-357	1.1	1
8	Bacterial-Assisted Phytoextraction Mechanism of Heavy Metals by Native Hyperaccumulator Plants from Distillery Waste Contaminated Site for Eco-restoration <b>2019</b> , 1-41		1
7	Mechanism of Microbial Heavy Metal Accumulation from a Polluted Environment and Bioremediation <b>2018</b> , 149-174		1
6	Application of Omics Technologies for Microbial Community Structure and Function Analysis in Contaminated Environment <b>2021</b> , 1-40		1
5	A novel CaO nanocomposite cross linked graphene oxide for Cr(VI) removal and sensing from wastewater.. <i>Chemosphere</i> , <b>2022</b> , 134714	8.4	1
4	Bioelectroremediation technologies in remediation of environmental pollutants: challenges and future prospects <b>2021</b> , 147-165		0
3	Environmental contamination, toxicity profile and bioremediation approaches for treatment and detoxification of pulp paper industry effluent <b>2021</b> , 375-402		0
2	Mechanism and kinetics of Cr(VI) adsorption on biochar derived from <i>Citrobacter freundii</i> under different pyrolysis temperatures. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 47, 102723	6.7	0
1	Environmental Impact, Health Hazards, and Plant-Microbes Synergism in Remediation of Emerging Contaminants <b>2022</b> , 100030		0