

Rishikesh Singh

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.

63

papers

760

citations

17

h-index

25

g-index

68

ext. papers

981

ext. citations

4.1

avg, IF

4.43

L-index

#	Paper	IF	Citations
63	Multifaceted application of crop residue biochar as a tool for sustainable agriculture: An ecological perspective. <i>Ecological Engineering</i> , 2015 , 77, 324-347	3.9	85
62	An urgent need for sustainable thinking in agriculture –An Indian scenario. <i>Ecological Indicators</i> , 2016 , 67, 611-622	5.8	70
61	Current and emerging trends in bioremediation of petrochemical waste: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 155-201	11.1	67
60	Relative availability of inorganic N-pools shifts under land use change: An unexplored variable in soil carbon dynamics. <i>Ecological Indicators</i> , 2016 , 64, 228-236	5.8	38
59	Effect of nanoscale TiO ₂ -activated carbon composite on <i>Solanum lycopersicum</i> (L.) and <i>Vigna radiata</i> (L.) seeds germination. <i>Energy, Ecology and Environment</i> , 2016 , 1, 131-140	3.5	37
58	Emerging trends in photodegradation of petrochemical wastes: a review. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 22340-22364	5.1	34
57	Soil carbon efflux and sequestration as a function of relative availability of inorganic N pools in dry tropical agroecosystem. <i>Applied Soil Ecology</i> , 2015 , 96, 1-6	5	27
56	Impact of sole and combined application of biochar, organic and chemical fertilizers on wheat crop yield and water productivity in a dry tropical agro-ecosystem. <i>Biochar</i> , 2019 , 1, 229-235	10	25
55	Organic amendment impact on SOC dynamics in dry tropics: A possible role of relative availability of inorganic-N pools. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 235, 38-50	5.7	24
54	Iron oxidizing bacteria: insights on diversity, mechanism of iron oxidation and role in management of metal pollution. <i>Environmental Sustainability</i> , 2018 , 1, 221-231	2.9	24
53	Impact of rice-husk ash on the soil biophysical and agronomic parameters of wheat crop under a dry tropical ecosystem. <i>Ecological Indicators</i> , 2019 , 105, 505-515	5.8	22
52	Riparian land uses affect the dry season soil CO ₂ efflux under dry tropical ecosystems. <i>Ecological Engineering</i> , 2017 , 100, 291-300	3.9	18
51	Understanding the ecology of tree-seedling growth in dry tropical environment: a management perspective. <i>Energy, Ecology and Environment</i> , 2016 , 1, 296-309	3.5	18
50	Comparative study of dye degradation using TiO ₂ -activated carbon nanocomposites as catalysts in photocatalytic, sonocatalytic, and photosonocatalytic reactor. <i>Desalination and Water Treatment</i> , 2016 , 57, 20552-20564		18
49	Soil Carbon Dynamics Under Changing Climate – Research Transition From Absolute to Relative Roles of Inorganic Nitrogen Pools and Associated Microbial Processes: A Review. <i>Pedosphere</i> , 2017 , 27, 792-806	5	17
48	Challenges and opportunities for agricultural sustainability in changing climate scenarios: a perspective on Indian agriculture. <i>Tropical Ecology</i> , 2019 , 60, 167-185	1.3	17
47	Bioremediation 2020 , 1-23		17

46	Tree seedling establishment in dry tropics: an urgent need of interaction studies. <i>Environment Systems and Decisions</i> , 2017 , 37, 88-100	4.1	16
45	Soil carbon dynamics and climate change: current agro-environmental perspectives and future dimensions. <i>Energy, Ecology and Environment</i> , 2016 , 1, 315-322	3.5	16
44	Herbaceous species diversity and soil attributes along a forest-savanna-grassland continuum in a dry tropical region. <i>Ecological Engineering</i> , 2017 , 103, 226-235	3.9	15
43	Exploring temple floral refuse for biochar production as a closed loop perspective for environmental management. <i>Waste Management</i> , 2018 , 77, 78-86	8.6	14
42	A critical review on the research trends and emerging technologies for arsenic decontamination from water. <i>Groundwater for Sustainable Development</i> , 2021 , 14, 100607	6	14
41	Phytoremediation of organic pollutants: current status and future directions 2020 , 81-105		10
40	Genetically engineered bacteria for the degradation of dye and other organic compounds 2020 , 331-350		9
39	Temporal change in soil physicochemical, microbial, aggregate and available C characteristic in dry tropical ecosystem. <i>Catena</i> , 2020 , 190, 104553	5.8	7
38	Biological degradation of toluene by indigenous bacteria <i>Acinetobacter junii</i> CH005 isolated from petroleum contaminated sites in India. <i>Energy, Ecology and Environment</i> , 2018 , 3, 162-170	3.5	7
37	Human Overpopulation and Food Security 2019 , 439-467		7
36	Assessment of ground and surface water quality along the river Varuna, Varanasi, India. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 170	3.1	6
35	A new insight into the warming potential of organically amended agro-ecosystems. <i>Organic Agriculture</i> , 2018 , 8, 275-284	1.7	6
34	Green space indicators in a social-ecological system: A case study of Varanasi, India. <i>Sustainable Cities and Society</i> , 2020 , 60, 102261	10.1	6
33	A global review of rubber plantations: Impacts on ecosystem functions, mitigations, future directions, and policies for sustainable cultivation. <i>Science of the Total Environment</i> , 2021 , 796, 148948	10.2	6
32	Nanofiltration technology for removal of pathogens present in drinking water 2020 , 463-489		5
31	Effects of Cocoa Pod Husk Biochar on Growth of Cocoa Seedlings in Southeast Sulawesi-Indonesia. <i>Asian Journal of Crop Science</i> , 2017 , 10, 22-30	0.3	5
30	Understanding the Complex Interaction Between Soil N Availability and Soil C Dynamics Under Changing Climate Conditions 1 2018 , 337-348		4
29	Urban ecology [urrent state of research and concepts 2020 , 3-16		4

28	Compatible package-based agriculture systems: an urgent need for agro-ecological balance and climate change adaptation. <i>Soil Ecology Letters</i> ,1	2.7	4
27	Nanocatalyst types and their potential impacts in agroecosystems: An overview 2020 , 323-344		4
26	Geomorphologic heterogeneity influences dry-season soil CO ₂ efflux by mediating soil biophysical variables in a tropical river valley. <i>Aquatic Sciences</i> , 2019 , 81, 1	2.5	3
25	Seed priming: state of the art and new perspectives in the era of climate change 2020 , 143-170		3
24	Human Overpopulation and Food Security. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2017 , 12-39	0.4	3
23	Biochar Amendment to Soil for Sustainable Agriculture. <i>Sustainable Agriculture Reviews</i> , 2018 , 207-227	1.3	3
22	Agriculture in the Era of Climate Change: Consequences and Effects 2019 , 1-23		2
21	Understanding Soil Aggregate Dynamics and Its Relation With Land Use and Climate Change 2019 , 331-354		2
20	Effects of grass competition on tree seedlings growth under different light and nutrient availability conditions in tropical dry forests in India. <i>Ecological Research</i> , 2020 , 35, 807-818	1.9	2
19	Exploring soil responses to various organic amendments under dry tropical agroecosystems 2020 , 583-611		2
18	Mycoremediation of agrochemicals 2020 , 593-620		2
17	Critical assessment and future dimensions for the urban ecological systems 2020 , 479-497		2
16	Combined application of biochar and farmyard manure reduces wheat crop eco-physiological performance in a tropical dryland agro-ecosystem. <i>Energy, Ecology and Environment</i> , 2020 , 5, 171-183	3.5	2
15	Spatio-temporal variability in soil CO ₂ efflux and regulatory physicochemical parameters from the tropical urban natural and anthropogenic land use classes. <i>Journal of Environmental Management</i> , 2021 , 295, 113141	7.9	2
14	The Role of Government and the Public in Water Resource Management in India 2021 , 399-415		1
13	Antibiotics and Antibiotic Resistance Genes in Agroecosystems as Emerging Contaminants. <i>Sustainable Agriculture Reviews</i> , 2021 , 177-210	1.3	1
12	Physical and Biological Processes Controlling Soil C Dynamics. <i>Sustainable Agriculture Reviews</i> , 2018 , 171-202	1.3	1
11	Monsoon-phase regulates the decoupling of auto- and heterotrophic respiration by mediating soil nutrient availability and root biomass in tropical grassland. <i>Catena</i> , 2022 , 209, 105808	5.8	0

- 10 Current status of plant diseases and food security **2021**, 19-35 0
- 9 Harnessing the potential of biostimulants and biocontrol agents for sustainable management of agricultural productivity **2021**, 257-277 0
- 8 Urban Ecology and Climate Change **2022**, 1-29 0
- 7 Impact of anthropogenic stresses on riparian ecosystem and their management perspectives **2022**, 299-324 0
- 6 Perspectives in desulfurization of coal using microbes **2021**, 141-155 0
- 5 Effect of Engineered Nanoparticles on Soil Attributes and Potential in Reclamation of Degraded Lands. *Advances in Science, Technology and Innovation*, **2021**, 119-128 0.3
- 4 Metal-oxidizing microbes and potential application in bioremediation **2021**, 107-114 0
- 3 Engineered Nanoparticles in Smart Agricultural Revolution: An Enticing Domain to Move Carefully. *Advances in Science, Technology and Innovation*, **2021**, 3-18 0.3
- 2 Sewage Wastewater and Sludge as Source of Traditional and Emerging Contaminants in Agroecosystems. *Sustainable Agriculture Reviews*, **2021**, 35-59 1.3
- 1 Biostimulant applications in crops under abiotic stress conditions **2021**, 253-266 0