

Upendra 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.

45
papers

879
citations

15
h-index

29
g-index

47
ext. papers

1,202
ext. citations

4
avg, IF

4.23
L-index

#	Paper	IF	Citations
45	Metal(loid)s (As, Hg, Se, Pb and Cd) in paddy soil: Bioavailability and potential risk to human health. <i>Science of the Total Environment</i> , 2020 , 699, 134330	10.2	104
44	Variation of functional diversity of soil microbial community in sub-humid tropical rice-rice cropping system under long-term organic and inorganic fertilization. <i>Ecological Indicators</i> , 2017 , 73, 536-543	5.8	98
43	Bacillus and Paenibacillus spp.: Potential PGPR for Sustainable Agriculture. <i>Microbiology Monographs</i> , 2010 , 333-364	0.8	64
42	Continuous application of inorganic and organic fertilizers over 47 years in paddy soil alters the bacterial community structure and its influence on rice production. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 262, 65-75	5.7	62
41	Carbon and nitrogen fractions and stocks under 41 years of chemical and organic fertilization in a sub-humid tropical rice soil. <i>Soil and Tillage Research</i> , 2017 , 170, 136-146	6.5	49
40	Application of rice (<i>Oryza sativa</i> L.) root endophytic diazotrophic Azotobacter sp. strain Avi2 (MCC 3432) can increase rice yield under green house and field condition. <i>Microbiological Research</i> , 2019 , 219, 56-65	5.3	43
39	Non-target effect of continuous application of chlorpyrifos on soil microbes, nematodes and its persistence under sub-humid tropical rice-rice cropping system. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 135, 225-235	7	41
38	Effects of water deficit stress on agronomic and physiological responses of rice and greenhouse gas emission from rice soil under elevated atmospheric CO ₂ . <i>Science of the Total Environment</i> , 2019 , 650, 2032-2050	10.2	39
37	Comparative assessment of urea briquette applicators on greenhouse gas emission, nitrogen loss and soil enzymatic activities in tropical lowland rice. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 252, 178-190	5.7	38
36	Imidacloprid application changes microbial dynamics and enzymes in rice soil. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 123-130	7	33
35	Dynamics of soil organic carbon mineralization and C fractions in paddy soil on application of rice husk biochar. <i>Biomass and Bioenergy</i> , 2018 , 115, 1-9	5.3	30
34	Combined application of rice husk biochar and fly ash improved the yield of lowland rice. <i>Soil Research</i> , 2016 , 54, 451	1.8	29
33	Long-term aromatic rice cultivation effect on frequency and diversity of diazotrophs in its rhizosphere. <i>Ecological Engineering</i> , 2017 , 101, 227-236	3.9	26
32	Integrated Nutrient Management in Rice-Wheat Cropping System: An Evidence on Sustainability in the Indian Subcontinent through Meta-Analysis. <i>Agronomy</i> , 2019 , 9, 71	3.6	20
31	Effect of Pretilachlor on Soil Enzyme Activities in Tropical Rice Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 98, 439-445	2.7	18
30	Effect of elevated CO ₂ on chlorpyrifos degradation and soil microbial activities in tropical rice soil. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 105	3.1	15
29	Antagonistic and plant-growth promoting novel species from long-term organic farming soils from Sikkim, India. <i>3 Biotech</i> , 2019 , 9, 416	2.8	15

28	Non-target effects of pretilachlor on microbial properties in tropical rice soil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7595-602	5.1	14
27	Influence of organic and inorganic sources of nutrients on the functional diversity of microbial communities in the vegetable cropping system of the Indo-Gangetic plains. <i>Comptes Rendus - Biologies</i> , 2018 , 341, 349-357	1.4	14
26	Impact of integrated nutrient management options on GHG emission, N loss and N use efficiency of low land rice. <i>Soil and Tillage Research</i> , 2020 , 200, 104616	6.5	12
25	Influence of elevated CO ₂ on arbuscular mycorrhizal fungal community elucidated using Illumina MiSeq platform in sub-humid tropical paddy soil. <i>Applied Soil Ecology</i> , 2020 , 145, 103344	5	12
24	Understanding the AM fungal association in flooded rice under elevated CO ₂ condition. <i>Oryza</i> , 2017 , 54, 290	0.3	11
23	Understanding interaction effect of arbuscular mycorrhizal fungi in rice under elevated carbon dioxide conditions. <i>Journal of Basic Microbiology</i> , 2019 , 59, 1217-1228	2.7	10
22	Non-target effect of bispyribac sodium on soil microbial community in paddy soil. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 110019	7	10
21	Ascorbic acid formulation for survivability and diazotrophic efficacy of <i>Azotobacter chroococcum</i> Avi2 (MCC 3432) under hydrogen peroxide stress and its role in plant-growth promotion in rice (<i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2019 , 139, 419-427	5.4	9
20	Combined effects of elevated CO ₂ , N fertilizer and water deficit stress on diazotrophic community in sub-humid tropical paddy soil. <i>Applied Soil Ecology</i> , 2020 , 155, 103682	5	8
19	Arbuscular Mycorrhizal Fungi (AMF) for Sustainable Rice Production. <i>Microorganisms for Sustainability</i> , 2017 , 99-126	1.1	7
18	Meta-Analysis Approach to Measure the Effect of Integrated Nutrient Management on Crop Performance, Microbial Activity, and Carbon Stocks in Indian Soils. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	7
17	Diversity of Sulfur-Oxidizing and Sulfur-Reducing Microbes in Diverse Ecosystems. <i>Microorganisms for Sustainability</i> , 2018 , 65-89	1.1	6
16	Cyanobiont diversity in six <i>Azolla</i> spp. and relation to <i>Azolla</i> -nutrient profiling. <i>Planta</i> , 2019 , 249, 1435-1447	4.7	5
15	Lower Frequency and Diversity of Antibiotic-Producing Fluorescent <i>Pseudomonads</i> in Rhizosphere of Indian Rapeseed Mustard (<i>Brassica juncea</i> L. Czern.). <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018 , 88, 579-586	1.4	5
14	Microbe-Mediated Plant Growth Promotion: A Mechanistic Overview on Cultivable Plant Growth-Promoting Members. <i>Soil Biology</i> , 2019 , 435-463	1	4
13	COMPARATIVE EFFICACY OF HERBICIDES IN WEED CONTROL AND ENHANCEMENT OF PRODUCTIVITY AND PROFITABILITY OF RICE. <i>Experimental Agriculture</i> , 2018 , 54, 363-381	1.7	3
12	Larvicidal potential of <i>Skermanella</i> sp. against rice leaf folder (<i>Cnaphalocrosis medinalis</i> Guenee) and pink stem borer (<i>Sesamia inferens</i> Walker). <i>Journal of Invertebrate Pathology</i> , 2018 , 157, 74-79	2.6	3
11	Delineate Soil Characteristics and Carbon Pools in Grassland Compared to Native Forestland of India: A Meta-Analysis. <i>Agronomy</i> , 2020 , 10, 1969	3.6	3

10	Functional diversity and metabolic profile of microbial community of mine soils with different levels of chromium contamination. <i>International Journal of Environmental Health Research</i> , 2020 , 30, 461-473	3.6	3
9	Comparison of Nutritional and Physicochemical Quality of Rice Under Organic and Standard Production Systems. <i>Cereal Chemistry</i> , 2016 , 93, 435-443	2.4	2
8	Elucidating relationship between nitrous oxide emission and functional soil microbes from tropical lowland rice soil exposed to elevated CO ₂ : A path modelling approach. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 308, 107268	5.7	2
7	Combined application of ascorbic acid and endophytic N-fixing <i>Azotobacter chroococcum</i> Avi2 modulates photosynthetic efficacy, antioxidants and growth-promotion in rice under moisture deficit stress. <i>Microbiological Research</i> , 2021 , 250, 126808	5.3	2
6	Uncovering morphological and physiological markers to distinguish <i>Azolla</i> strains. <i>Revista Brasileira De Botanica</i> , 2021 , 44, 697-713	1.2	1
5	New generation post-emergence herbicides and their impact on arbuscular mycorrhizae fungal association in rice. <i>Current Research in Microbial Sciences</i> , 2021 , 2, 100067	3.3	1
4	Impact of Land-Use Changes on Soil Properties and Carbon Pools in India: A Meta-analysis. <i>Frontiers in Environmental Science</i> , 2022 , 9,	4.8	1
3	Climate resilient rice production system: Natural resources management approach. <i>Oryza</i> , 2021 , 58, 143-157	1.67	0
2	Understanding rice growth-promoting potential of spp. isolated from long-term organic farming soil in India through a supervised learning approach. <i>Current Research in Microbial Sciences</i> , 2021 , 2, 100035	3.3	0
1	Structural diversity and efficacy of culturable cellulose decomposing bacteria isolated from rice-pulse resource conservation practices. <i>Journal of Basic Microbiology</i> , 2019 , 59, 963-978	2.7	