Upendra Kumar

List of Publications by Year
in descending order

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47	1,537	361296	330025
papers	citations	20 h-index	37 g-index

47	47	47	1734
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal(loid)s (As, Hg, Se, Pb and Cd) in paddy soil: Bioavailability and potential risk to human health. Science of the Total Environment, 2020, 699, 134330.	3.9	237
2	Variation of functional diversity of soil microbial community in sub-humid tropical rice-rice cropping system under long-term organic and inorganic fertilization. Ecological Indicators, 2017, 73, 536-543.	2.6	139
3	Continuous application of inorganic and organic fertilizers over 47 years in paddy soil alters the bacterial community structure and its influence on rice production. Agriculture, Ecosystems and Environment, 2018, 262, 65-75.	2.5	120
4	Bacillus and Paenibacillus spp.: Potential PGPR for Sustainable Agriculture. Microbiology Monographs, 2010, , 333-364.	0.3	94
5	Effects of water deficit stress on agronomic and physiological responses of rice and greenhouse gas emission from rice soil under elevated atmospheric CO2. Science of the Total Environment, 2019, 650, 2032-2050.	3.9	75
6	Carbon and nitrogen fractions and stocks under 41 years of chemical and organic fertilization in a sub-humid tropical rice soil. Soil and Tillage Research, 2017, 170, 136-146.	2.6	70
7	Application of rice (Oryza sativa L.) root endophytic diazotrophic Azotobacter sp. strain Avi2 (MCC) Tj ETQq1 1 0.784314 rgBT /Overl 219, 56-65.	2.5	70
8	Comparative assessment of urea briquette applicators on greenhouse gas emission, nitrogen loss and soil enzymatic activities in tropical lowland rice. Agriculture, Ecosystems and Environment, 2018, 252, 178-190.	2.5	58
9	Imidacloprid application changes microbial dynamics and enzymes in rice soil. Ecotoxicology and Environmental Safety, 2017, 144, 123-130.	2.9	48
10	Non-target effect of continuous application of chlorpyrifos on soil microbes, nematodes and its persistence under sub-humid tropical rice-rice cropping system. Ecotoxicology and Environmental Safety, 2017, 135, 225-235.	2.9	46
11	Dynamics of soil organic carbon mineralization and C fractions in paddy soil on application of rice husk biochar. Biomass and Bioenergy, 2018, 115, 1-9.	2.9	46
12	Combined application of rice husk biochar and fly ash improved the yield of lowland rice. Soil Research, 2016, 54, 451.	0.6	39
13	Integrated Nutrient Management in Riceâ€“Wheat
Cropping System: An Evidence on Sustainability in
the Indian Subcontinent through Meta-Analysis. Agronomy, 2019, 9, 71.	1.3	37
14	Impact of integrated nutrient management options on GHG emission, N loss and N use efficiency of low land rice. Soil and Tillage Research, 2020, 200, 104616.	2.6	37
15	Long-term aromatic rice cultivation effect on frequency and diversity of diazotrophs in its rhizosphere. Ecological Engineering, 2017, 101, 227-236.	1.6	32
16	Antagonistic and plant-growth promoting novel Bacillus species from long-term organic farming soils from Sikkim, India. 3 Biotech, 2019, 9, 416.	1.1	30
17	Effect of Pretilachlor on Soil Enzyme Activities in Tropical Rice Soil. Bulletin of Environmental Contamination and Toxicology, 2017, 98, 439-445.	1.3	27
18	Influence of elevated CO2 on arbuscular mycorrhizal fungal community elucidated using Illumina MiSeq platform in sub-humid tropical paddy soil. Applied Soil Ecology, 2020, 145, 103344.	2.1	27

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19	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. Comptes Rendus - Biologies, 2018, 341, 349-357.	0.1	23
20	Non-target effects of pretilachlor on microbial properties in tropical rice soil. Environmental Science and Pollution Research, 2016, 23, 7595-7602.	2.7	22
21	Combined effects of elevated CO2, N fertilizer and water deficit stress on diazotrophic community in sub-humid tropical paddy soil. Applied Soil Ecology, 2020, 155, 103682.	2.1	21
22	Non-target effect of bispyribac sodium on soil microbial community in paddy soil. Ecotoxicology and Environmental Safety, 2020, 189, 110019.	2.9	18
23	Meta-Analysis Approach to Measure the Effect of Integrated Nutrient Management on Crop Performance, Microbial Activity, and Carbon Stocks in Indian Soils. Frontiers in Environmental Science, 2021, 9, .	1.5	18
24	Effect of elevated CO2 on chlorpyriphos degradation and soil microbial activities in tropical rice soil. Environmental Monitoring and Assessment, 2016, 188, 105.	1.3	17
25	Understanding interaction effect of arbuscular mycorrhizal fungi in rice under elevated carbon dioxide conditions. Journal of Basic Microbiology, 2019, 59, 1217-1228.	1.8	17
26	Impact of Land-Use Changes on Soil Properties and Carbon Pools in India: A Meta-analysis. Frontiers in Environmental Science, 2022, 9, .	1.5	16
27	Diversity of Sulfur-Oxidizing and Sulfur-Reducing Microbes in Diverse Ecosystems. Microorganisms for Sustainability, 2018, , 65-89.	0.4	13
28	Combined application of ascorbic acid and endophytic N-fixing Azotobacter chroococcum Avi2 modulates photosynthetic efficacy, antioxidants and growth-promotion in rice under moisture deficit stress. Microbiological Research, 2021, 250, 126808.	2.5	13
29	Understanding the AM fungal association in flooded rice under elevated CO₂ condition. Oryza, 2017, 54, 290.	0.2	13
30	Ascorbic acid formulation for survivability and diazotrophic efficacy of Azotobacter chroococcum Avi2 (MCC 3432) under hydrogen peroxide stress and its role in plant-growth promotion in rice (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10	2.8	12
31	Arbuscular Mycorrhizal Fungi (AMF) for Sustainable Rice Production. Microorganisms for Sustainability, 2017, , 99-126.	0.4	11
32	Comparison of Nutritional and Physicochemical Quality of Rice Under Organic and Standard Production Systems. Cereal Chemistry, 2016, 93, 435-443.	1.1	9
33	Larvicidal potential of Skermanella sp. against rice leaf folder (Cnaphalocrosis medinalis Guenee) and pink stem borer (Sesamia inferens Walker). Journal of Invertebrate Pathology, 2018, 157, 74-79.	1.5	9
34	Cyanobiont diversity in six Azolla spp. and relation to Azolla-nutrient profiling. Planta, 2019, 249, 1435-1447.	1.6	9
35	Functional diversity and metabolic profile of microbial community of mine soils with different levels of chromium contamination. International Journal of Environmental Health Research, 2020, 30, 461-473.	1.3	9
36	Delineate Soil Characteristics and Carbon Pools in Grassland Compared to Native Forestland of India: A Meta-Analysis. Agronomy, 2020, 10, 1969.	1.3	8

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37	Elucidating relationship between nitrous oxide emission and functional soil microbes from tropical lowland rice soil exposed to elevated CO2: A path modelling approach. Agriculture, Ecosystems and Environment, 2021, 308, 107268.	2.5	8
38	COMPARATIVE EFFICACY OF HERBICIDES IN WEED CONTROL AND ENHANCEMENT OF PRODUCTIVITY AND PROFITABILITY OF RICE. Experimental Agriculture, 2018, 54, 363-381.	0.4	6
39	Microbe-Mediated Plant Growth Promotion: A Mechanistic Overview on Cultivable Plant Growth-Promoting Members. Soil Biology, 2019, , 435-463.	0.6	6
40	Lower Frequency and Diversity of Antibiotic-Producing Fluorescent Pseudomonads in Rhizosphere of Indian Rapeseedâ€“Mustard (Brassica juncea L. Czern.). Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 579-586.	0.4	5
41	Conversion of Mangroves Into Rice Cultivation Alters Functional Soil Microbial Community in Sub-Humid Tropical Paddy Soil. Frontiers in Environmental Science, 2022, 10, .	1.5	5
42	Uncovering morphological and physiological markers to distinguish Azolla strains. Revista Brasileira De Botanica, 2021, 44, 697-713.	0.5	4
43	Understanding rice growth-promoting potential of Enterobacter spp. isolated from long-term organic farming soil in India through a supervised learning approach. Current Research in Microbial Sciences, 2021, 2, 100035.	1.4	4
44	Hedge and Alder-Based Agroforestry Systems: Potential Interventions to Carbon Sequestration and Better Crop Productivity in Indian Sub-Himalayas. Frontiers in Environmental Science, 2022, 10, .	1.5	4
45	Structural diversity and efficacy of culturable cellulose decomposing bacteria isolated from riceâ€“pulse resource conservation practices. Journal of Basic Microbiology, 2019, 59, 963-978.	1.8	2
46	New generation post-emergence herbicides and their impact on arbuscular mycorrhizae fungal association in rice. Current Research in Microbial Sciences, 2021, 2, 100067.	1.4	2
47	Climate resilient rice production system: Natural resources management approach. Oryza, 2021, 58, 143-167.	0.2	1