

Ajay Kumar Bhardwaj

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

395
citations

933264

10
h-index

839398

18
g-index

25
all docs

25
docs citations

25
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial endophyte mediated plant tolerance to salinity: growth responses and mechanisms of action. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 26.	1.7	57
2	Switching to nanonutrients for sustaining agroecosystems and environment: the challenges and benefits in moving up from ionic to particle feeding. <i>Journal of Nanobiotechnology</i> , 2022, 20, 19.	4.2	51
3	Soil salinity and land use-land cover interactions with soil carbon in a salt-affected irrigation canal command of Indo-Gangetic plain. <i>Catena</i> , 2019, 180, 392-400.	2.2	38
4	Enhancement in Plant Growth and Zinc Biofortification of Chickpea (<i>Cicer arietinum</i> L.) by <i>Bacillus altitudinis</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 922-935.	1.7	38
5	Impact of carbon inputs on soil carbon fractionation, sequestration and biological responses under major nutrient management practices for rice-wheat cropping systems. <i>Scientific Reports</i> , 2019, 9, 9114.	1.6	33
6	Nanotechnology Scope and Applications for Wheat Production and Quality Enhancement: A Review of Recent Advances. <i>Journal of Cereal Research</i> , 2018, 10, .	0.2	21
7	Structural stability and hydraulic characteristics of soils irrigated for two decades with waters having residual alkalinity and its neutralization with gypsum and sulfuric acid. <i>Agricultural Water Management</i> , 2021, 244, 106609.	2.4	18
8	Development of degraded ravine lands of Western India using Sapota (<i>Achras zapota</i>) plantation with terracing vs. trenching-based conservation measures. <i>Land Degradation and Development</i> , 2021, 32, 101-111.	1.8	17
9	Resource conservation strategies for rice-wheat cropping systems on partially reclaimed sodic soils of the Indo-Gangetic region, and their effects on soil carbon. <i>Natural Resources Forum</i> , 2015, 39, 110-122.	1.8	14
10	Classification and management of community forests in Indian Eastern Himalayas: implications on ecosystem services, conservation and livelihoods. <i>Ecological Processes</i> , 2018, 7, .	1.6	13
11	Soil loss hinders the restoration potential of tree plantations on highly eroded ravine slopes. <i>Journal of Soils and Sediments</i> , 2021, 21, 1232-1242.	1.5	13
12	Tillage Intensity Influences Insect-Pest and Predator Dynamics of Wheat Crop Grown under Different Conservation Agriculture Practices in Rice-Wheat Cropping System of Indo-Gangetic Plain. <i>Agronomy</i> , 2021, 11, 1087.	1.3	11
13	Water use in rice crop through different methods of irrigation in a sodic soil. <i>Paddy and Water Environment</i> , 2018, 16, 587-593.	1.0	10
14	Nitrogen Mineralization and Availability at Critical Stages of Rice (<i>Oryza sativa</i>) Crop, and Its Relation to Soil Biological Activity and Crop Productivity Under Major Nutrient Management Systems. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1238-1248.	1.7	10
15	Net ecosystem exchange of carbon, greenhouse gases, and energy budget in coastal lowland double cropped rice ecology. <i>Soil and Tillage Research</i> , 2021, 212, 105076.	2.6	9
16	Zinc-Solubilizing Microbes for Sustainable Crop Production: Current Understanding, Opportunities, and Challenges. , 2020, , 281-298.		9
17	Long-term impacts of afforestation on biomass production, carbon stock, and climate resilience in a degraded semi-arid ravine ecosystem of India. <i>Ecological Engineering</i> , 2022, 177, 106559.	1.6	8
18	Biomass Turnover Interactions with Soil C Sequestration Among the Land Uses in The Western Ghats. <i>Current Science</i> , 2018, 115, 213.	0.4	7

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19	Estimations of soil fertility in physically degraded agricultural soils through selective accounting of fine earth and gravel fractions. <i>Solid Earth</i> , 2016, 7, 897-903.	1.2	6
20	Impact of climate change on insect pests of rice-wheat cropping system: recent trends and mitigation strategies. , 2021, , 225-239.		6
21	Seed source variation affects the growth, biomass, carbon stock, and climate resilience potential: A case study of <i>Celtis australis</i> in Indian Himalayas. <i>Global Ecology and Conservation</i> , 2021, 26, e01469.	1.0	4
22	Soil Physico Chemical Properties and Macronutrients Evaluation during Sowing and after Harvesting of Crop at High Altitude Leh Ladakh India. <i>Defence Life Science Journal</i> , 2021, 6, 222-227.	0.1	1
23	A Novel Approach for Continuous Monitoring of Diurnal and Seasonal Changes in Near-Surface Electrical Resistivity. , 2011, , .		0