

Mohammad Shahid

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.

68

papers

1,462

citations

22

h-index

36

g-index

70

ext. papers

1,815

ext. citations

3.9

avg, IF

4.23

L-index

#	Paper	IF	Citations
68	Soil aggregation and distribution of carbon and nitrogen in different fractions after 41 years long-term fertilizer experiment in tropical rice system. <i>Geoderma</i> , 2014 , 213, 280-286	6.7	103
67	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
66	Effect of fly ash application on soil microbial response and heavy metal accumulation in soil and rice plant. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 114, 257-62	7	79
65	Carbon and nitrogen mineralization kinetics in soil of rice system under long term application of chemical fertilizers and farmyard manure. <i>European Journal of Soil Biology</i> , 2013 , 58, 113-121	2.9	76
64	Greenhouse gas emission in relation to labile soil C, N pools and functional microbial diversity as influenced by 39 years long-term fertilizer management in tropical rice. <i>Soil and Tillage Research</i> , 2013 , 129, 93-105	6.5	69
63	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
62	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
61	Delineation of soil management zones for a rice cultivated area in eastern India using fuzzy clustering. <i>Catena</i> , 2015 , 133, 128-136	5.8	47
60	Long-term effects of fertilizer and manure applications on soil quality and yields in a sub-humid tropical rice-rice system. <i>Soil Use and Management</i> , 2013 , 29, 322-332	3.1	45
59	Current and emerging methodologies for estimating carbon sequestration in agricultural soils: A review. <i>Science of the Total Environment</i> , 2019 , 665, 890-912	10.2	45
58	Characterizing spatial variability of soil properties in salt affected coastal India using geostatistics and kriging. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 10693-10703	1.8	39
57	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
56	Micronutrients (Fe, Mn, Zn and Cu) balance under long-term application of fertilizer and manure in a tropical rice-rice system. <i>Journal of Soils and Sediments</i> , 2016 , 16, 737-747	3.4	36
55	Submergence tolerance in relation to application time of nitrogen and phosphorus in rice (<i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2014 , 99, 159-166	5.9	31
54	Energy and carbon budgeting of tillage for environmentally clean and resilient soil health of rice-maize cropping system. <i>Journal of Cleaner Production</i> , 2019 , 226, 815-830	10.3	30
53	Effects of 42-year long-term fertilizer management on soil phosphorus availability, fractionation, adsorption-desorption isotherm and plant uptake in flooded tropical rice. <i>Crop Journal</i> , 2015 , 3, 387-395	4.6	30
52	Impairment of soil health due to fly ash-fugitive dust deposition from coal-fired thermal power plants. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 679	3.1	30

51	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
50	Efficiency of Phosphogypsum and Mined Gypsum in Reclamation and Productivity of Rice-Wheat Cropping System in Sodic Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2013 , 44, 909-921	1.5	30
49	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
48	Effect of fly ash deposition on photosynthesis, growth and yield of rice. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 93, 106-12	2.7	26
47	Ecological mechanism and diversity in rice based integrated farming system. <i>Ecological Indicators</i> , 2018 , 91, 359-375	5.8	23
46	Metagenomic assessment of methane production-oxidation and nitrogen metabolism of long term manured systems in lowland rice paddy. <i>Science of the Total Environment</i> , 2017 , 586, 1245-1253	10.2	20
45	Role of silica and nitrogen interaction in submergence tolerance of rice. <i>Environmental and Experimental Botany</i> , 2016 , 125, 98-109	5.9	20
44	Post-flood nitrogen and basal phosphorus management affects survival, metabolic changes and anti-oxidant enzyme activities of submerged rice (<i>Oryza sativa</i>). <i>Functional Plant Biology</i> , 2014 , 41, 1284-1294	2.7	20
43	Crop and varietal diversification of rainfed rice based cropping systems for higher productivity and profitability in Eastern India. <i>PLoS ONE</i> , 2017 , 12, e0175709	3.7	20
42	Microbial biomass and carbon mineralization in agricultural soils as affected by pesticide addition. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 88, 538-42	2.7	19
41	Crop establishment and nitrogen management affect greenhouse gas emission and biological activity in tropical rice production. <i>Ecological Engineering</i> , 2017 , 104, 80-98	3.9	16
40	Weed seed bank diversity and community shift in a four-decade-old fertilization experiment in rice-rice system. <i>Ecological Engineering</i> , 2016 , 86, 135-145	3.9	15
39	Field-specific nutrient management using Rice Crop Manager decision support tool in Odisha, India. <i>Field Crops Research</i> , 2019 , 241, 107578	5.5	14
38	Ecosystem services in different agro-climatic zones in eastern India: impact of land use and land cover change. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 98	3.1	14
37	Effect of Nutrient Application on Growth, Metabolic and Enzymatic Activities of Rice Seedlings During Flooding Stress and Subsequent Re-Aeration. <i>Journal of Agronomy and Crop Science</i> , 2015 , 201, 138-151	3.9	14
36	Effect of simulated flash flooding on rice and its recovery after flooding with nutrient management strategies. <i>Ecological Engineering</i> , 2015 , 77, 250-256	3.9	14
35	Measuring potassium fractions is not sufficient to assess the long-term impact of fertilization and manuring on soil potassium supplying capacity. <i>Journal of Soils and Sediments</i> , 2018 , 18, 1806-1820	3.4	13
34	Mitigation of Iron Toxicity and Iron, Zinc, and Manganese Nutrition of Wetland Rice Cultivars (<i>Oryza sativa</i> L.) Grown in Iron-Toxic Soil. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1604-1609	1.6	13

33	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
32	Nitrate leaching, nitrous oxide emission and N use efficiency of aerobic rice under different N application strategy. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 465-479	2	12
31	Monitoring of meteorological drought and its impact on rice (<i>Oryza sativa</i> L.) productivity in Odisha using standardized precipitation index. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 1701-1715	2	12
30	Characterization of land surface energy fluxes in a tropical lowland rice paddy. <i>Theoretical and Applied Climatology</i> , 2019 , 136, 157-168	3	12
29	Boron application improves yield of rice cultivars under high temperature stress during vegetative and reproductive stages. <i>International Journal of Biometeorology</i> , 2018 , 62, 1375-1387	3.7	11
28	Agronomic manipulations can enhance the productivity of anaerobic tolerant rice sown in flooded soils in rainfed areas. <i>Field Crops Research</i> , 2018 , 220, 105-116	5.5	11
27	Fly ash addition affects microbial biomass and carbon mineralization in agricultural soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 92, 160-4	2.7	11
26	Silicon enhances yield and nitrogen use efficiency of tropical low land rice. <i>Agronomy Journal</i> , 2020 , 112, 758-771	2.2	11
25	Impact of Seedling Age and Nitrogen Application on Submergence Tolerance of Sub1 and Non-Sub1 Cultivars of Rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 629-642	4.7	10
24	Identification of energy and carbon efficient cropping system for ecological sustainability of rice fallow. <i>Ecological Indicators</i> , 2020 , 115, 106431	5.8	9
23	Inter-relationship between intercepted radiation and rice yield influenced by transplanting time, method, and variety. <i>International Journal of Biometeorology</i> , 2019 , 63, 337-349	3.7	8
22	Long-term effect of rice-based farming systems on soil health. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 296	3.1	8
21	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
20	Low carbon resource conservation techniques for energy savings, carbon gain and lowering GHGs emission in lowland transplanted rice. <i>Soil and Tillage Research</i> , 2017 , 174, 45-57	6.5	8
19	Beneficial effects of potassium application in improving submergence tolerance of rice (<i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2016 , 128, 18-30	5.9	8
18	Water vapor flux in tropical lowland rice. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 550	3.1	7
17	Combined application of silica and nitrogen alleviates the damage of flooding stress in rice. <i>Crop and Pasture Science</i> , 2015 , 66, 679	2.2	6
16	Weed community composition after 43 years of long-term fertilization in tropical rice-rice system. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 197, 301-308	5.7	6

15	Site-Specific Nitrogen Management in Rice Using Remote Sensing and Geostatistics. <i>Communications in Soil Science and Plant Analysis</i> , 2017 , 48, 1154-1166	1.5	6
14	Cyanobiont diversity in six <i>Azolla</i> spp. and relation to <i>Azolla</i> -nutrient profiling. <i>Planta</i> , 2019 , 249, 1435-1447	1.4	5
13	Effect of nutrient application and water turbidity on submergence tolerance of rice (<i>Oryza sativa</i>). <i>Annals of Applied Biology</i> , 2015 , 166, 90-104	2.6	5
12	Submergence Induced Tiller Mortality and Yield Reduction in Rice Can be Minimized Through Post-submergence Nitrogen Application. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017 , 87, 953-963	1.4	4
11	Nutrient management and submergence-tolerant varieties antecedently enhances the productivity and profitability of rice in flood-prone regions. <i>Journal of Plant Nutrition</i> , 2019 , 42, 1913-1927	2.3	3
10	Changes in Soil Aggregate-Associated Organic Carbon and Nitrogen after Ten Years under Different Land-Use and Soil-Management Systems in Indo-Gangetic Sodic Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2014 , 45, 1293-1304	1.5	3
9	Alteration in plant spacing improves submergence tolerance in Sub1 and non-Sub1 rice (cv. IR64) by better light interception and effective carbohydrate utilisation under stress. <i>Functional Plant Biology</i> , 2020 , 47, 891-903	2.7	3
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	Forecasting Rice Productivity and Production of Odisha, India, Using Autoregressive Integrated Moving Average Models. <i>Advances in Agriculture</i> , 2014 , 2014, 1-9	1.1	1
6	Impact of Land Use and Land Cover Change on Ecosystem Services in Eastern Coast of India. <i>International Journal of Environmental Research</i> , 2022 , 16, 1	2.9	1
5	Indexing Methods of Soil Quality in Agro-Ecosystems: An Overview of Indian Soils and Beyond 2020 , 255-284		1
4	Climate resilient rice production system: Natural resources management approach. <i>Oryza</i> , 2021 , 58, 143-167	1.6	0
3	Precision farming technologies for water and nutrient management in rice: Challenges and opportunities. <i>Oryza</i> , 2021 , 58, 126-142	0.3	0
2	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	
1	Tolerant varieties and exogenous application of nutrients can effectively manage drought stress in rice. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 13-32	2	