

Jaswinder Singh

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,580
citations

201575

27
h-index

206029

48
g-index

65
all docs

65
docs citations

65
times ranked

2320
citing authors

#	ARTICLE	IF	CITATIONS
1	Global distribution of earthworm diversity. <i>Science</i> , 2019, 366, 480-485.	6.0	248
2	Remediation techniques for removal of heavy metals from the soil contaminated through different sources: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1319-1333.	2.7	246
3	Bioremediation and detoxification of industrial wastes by earthworms: Vermicompost as powerful crop nutrient in sustainable agriculture. <i>Bioresource Technology</i> , 2018, 252, 172-179.	4.8	150
4	Vermicomposting of tannery sludge mixed with cattle dung into valuable manure using earthworm <i>Eisenia fetida</i> (Savigny). <i>Bioresource Technology</i> , 2011, 102, 7941-7945.	4.8	147
5	Vermicompost as an effective organic fertilizer and biocontrol agent: effect on growth, yield and quality of plants. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 137-159.	3.9	141
6	Earthworms, pesticides and sustainable agriculture: a review. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8227-8243.	2.7	134
7	Cocomposting with and without <i>Eisenia fetida</i> for conversion of toxic paper mill sludge to a soil conditioner. <i>Bioresource Technology</i> , 2010, 101, 8192-8198.	4.8	100
8	Role of <i>Eisenia fetida</i> in rapid recycling of nutrients from bio sludge of beverage industry. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 430-435.	2.9	100
9	Potential utilization of bagasse as feed material for earthworm <i>Eisenia fetida</i> and production of vermicompost. <i>SpringerPlus</i> , 2015, 4, 11.	1.2	86
10	Earthworm as ecological engineers to change the physico-chemical properties of soil: Soil vs vermicast. <i>Ecological Engineering</i> , 2016, 90, 1-5.	1.6	70
11	Instrumental characterization of organic wastes for evaluation of vermicompost maturity. <i>Journal of Analytical Science and Technology</i> , 2017, 8, .	1.0	67
12	Earthworms as Organic Waste Managers and Biofertilizer Producers. <i>Waste and Biomass Valorization</i> , 2018, 9, 1073-1086.	1.8	67
13	Assessment of genotoxic effects of pesticide and vermicompost treated soil with <i>Allium cepa</i> test. <i>Sustainable Environment Research</i> , 2018, 28, 171-178.	2.1	59
14	Effect on Growth of Earthworm and Chemical Parameters During Vermicomposting of Pressmud Sludge Mixed with Cattle Dung Mixture. <i>Procedia Environmental Sciences</i> , 2016, 35, 425-434.	1.3	58
15	Vermiremediation of dyeing sludge from textile mill with the help of exotic earthworm <i>Eisenia fetida</i> Savigny. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5975-5982.	2.7	52
16	Genotoxic assessment and optimization of pressmud with the help of exotic earthworm <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 8112-8123.	2.7	51
17	Comparative analysis of tissue compartmentalized heavy metal uptake by common forage crop: A field experiment. <i>Catena</i> , 2018, 160, 185-193.	2.2	48
18	Vermistabilization of sugar beet (<i>Beta vulgaris</i> L) waste produced from sugar factory using earthworm <i>Eisenia fetida</i> : Genotoxic assessment by <i>Allium cepa</i> test. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11236-11254.	2.7	39

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19	Vermicompost as soil supplement to enhance growth, yield and quality of <i>Triticum aestivum</i> L.: a field study. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2013, 2, 1.	2.0	38
20	Bioremediation of Distillery Sludge into Soil-Enriching Material Through Vermicomposting with the Help of <i>Eisenia fetida</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1403-1419.	1.4	37
21	Phytoremediation of Heavy Metals Using Cotton Plant: A Field Analysis. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 637-643.	1.3	35
22	Climate change effects on earthworms - a review. <i>Soil Organisms</i> , 2019, 91, 114-138.	2.2	35
23	Physico-chemical Properties and Heavy Metal Contents of Soils and Kharif Crops of Punjab, India. <i>Procedia Environmental Sciences</i> , 2016, 35, 801-808.	1.3	34
24	Effect of abiotic factors on the distribution of earthworms in different land use patterns. <i>Journal of Basic and Applied Zoology</i> , 2016, 74, 41-50.	0.4	33
25	Vermicompost and vermiwash as supplement to improve seedling, plant growth and yield in <i>Linum usitatissimum</i> L. for organic agriculture. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2017, 6, 203-218.	2.0	32
26	Amelioration and degradation of pressmud and bagasse wastes using vermitechnology. <i>Bioresource Technology</i> , 2017, 243, 1097-1104.	4.8	31
27	Soil properties changes earthworm diversity indices in different agro-ecosystem. <i>BMC Ecology</i> , 2020, 20, 27.	3.0	30
28	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021, 8, 136.	2.4	29
29	Vermicompost as a strong buffer and natural adsorbent for reducing transition metals, BOD, COD from industrial effluent. <i>Ecological Engineering</i> , 2015, 74, 13-19.	1.6	28
30	Avoidance behavior of <i>Eisenia fetida</i> and <i>Metaphire posthuma</i> towards two different pesticides, acephate and atrazine. <i>Chemosphere</i> , 2021, 278, 130476.	4.2	25
31	Ecological risk assessment of metals in roadside agricultural soils: A modified approach. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 186-201.	1.7	23
32	Analysis of soil characteristics of different land uses and metal bioaccumulation in wheat grown around rivers: possible human health risk assessment. <i>Environment, Development and Sustainability</i> , 2017, 19, 571-588.	2.7	22
33	Extraction of earthworm from soil by different sampling methods: a review. <i>Environment, Development and Sustainability</i> , 2016, 18, 1521-1539.	2.7	21
34	Grassland management effects on earthworm communities under ambient and future climatic conditions. <i>European Journal of Soil Science</i> , 2021, 72, 343-355.	1.8	20
35	Vermicompost acts as bio-modulator for plants under stress and non-stress conditions. <i>Environment, Development and Sustainability</i> , 2023, 25, 2006-2057.	2.7	20
36	Cadmium Accumulation Potential of Brassica Species Grown in Metal Spiked Loamy Sand Soil. <i>Soil and Sediment Contamination</i> , 2020, 29, 638-649.	1.1	17

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37	Appraisal of pollution of potentially toxic elements in different soils collected around the industrial area. <i>Heliyon</i> , 2021, 7, e08122.	1.4	17
38	Earthworms Converting Milk Processing Industry Sludge into Biomanure. <i>The Open Waste Management Journal</i> , 2017, 10, 30-40.	2.8	16
39	Potential ecological risks of metal(loid)s in riverine floodplain soils. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 722-731.	2.9	15
40	Potential carcinogenic and non-carcinogenic health hazards of metal(loid)s in food grains. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17032-17042.	2.7	15
41	Role of Earthworm in Sustainable Agriculture. , 2018, , 83-122.		13
42	Genotoxicity reduction in bagasse waste of sugar industry by earthworm technology. <i>SpringerPlus</i> , 2016, 5, 1186.	1.2	12
43	Modulatory role of vermicompost and vermivash on growth, yield and nutritional profiling of <i>Linum usitatissimum</i> L. (Linseed): a field study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3006-3018.	2.7	11
44	Assessment of heavy metal contamination and its effect on earthworms in different types of soils. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4337-4350.	1.8	11
45	Endophytic bacteria in xenobiotic degradation. , 2020, , 125-156.		10
46	Comparing the nutrient changes, heavy metals, and genotoxicity assessment before and after vermicomposting of thermal fly ash using <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 48154-48170.	2.7	10
47	Cadmium phytoremediation potential of Brassica genotypes grown in Cd spiked Loamy sand soils: Accumulation and tolerance. <i>Chemosphere</i> , 2022, 302, 134842.	4.2	10
48	Conventional farming reduces the activity of earthworms: Assessment of genotoxicity test of soil and vermicast. <i>Agriculture and Natural Resources</i> , 2018, 52, 366-370.	0.4	9
49	Genotoxicity monitoring of industrial wastes using plant bioassays and management through vermitechnology: A review. <i>Agriculture and Natural Resources</i> , 2017, 51, 325-337.	0.4	8
50	Vermiremediation and detoxification of sugar beet pulp waste using <i>Allium cepa</i> bioassay. <i>Energy, Ecology and Environment</i> , 2018, 3, 242-249.	1.9	7
51	Eco-friendly method for the extraction of earthworms: Comparative account of formalin, AITC and <i>Allium cepa</i> as extractant. <i>Applied Soil Ecology</i> , 2018, 124, 141-145.	2.1	6
52	Potential Ecological Impacts of Heavy Metals in Sediments of Industrially Contaminated Perennial Drain of India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 949-958.	1.3	6
53	Management of Sugar Industrial Wastes through Vermitechnology. <i>International Letters of Natural Sciences</i> , 0, 55, 35-43.	1.0	6
54	Diversity and Abundance of Earthworms in Different Landuse Patterns: Relation with Soil Properties. <i>Asian Journal of Biological and Life Sciences</i> , 2020, 9, 111-118.	0.1	5

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55	Characterization of vermicompost of coconut husk mixed with cattle dung: physicochemical properties, SEM, and FT-IR analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 87790-87801.	2.7	5
56	Environmental Influence of Soil toward Effective Vermicomposting. , 0, , .		3
57	Earthworm gut passage reinforces land-use effects on soil microbial communities across climate treatments. <i>Applied Soil Ecology</i> , 2021, 164, 103919.	2.1	3
58	Treatment of Wastewater by Vermifiltration Integrated with Plants. , 2020, , 35-51.		2
59	First Report of the Earthworm <i>Pontoscolex corethrurus</i> <i></i>(M&uuml;ller, 1857) from Punjab, India. <i>International Letters of Natural Sciences</i>, 0, 68, 1-8.</i>	1.0	2
60	Nutrient recovery from pigeon dropping by using exotic earthworm <i>Eisenia fetida</i> . <i>Sustainable Chemistry and Pharmacy</i> , 2019, 12, 100126.	1.6	1
61	Assessment of Earthworm Community Structure in Industrial and Non-industrial Soils. <i>Asian Journal of Biological and Life Sciences</i> , 2021, 10, 183-190.	0.1	1
62	Aquatic Plants as Effective Phytoremediators of Heavy Metals. , 2020, , 189-199.		1
63	Earthworm Community Structures in Three Wetland Ecosystems with Reference to Soil Physicochemical Properties. <i>Proceedings of the Zoological Society</i> , 2022, 75, 231-241.	0.4	1
64	Earthworm Communities and Soil Structural Properties. , 2020, , 333-350.		0