

Mohan Lal Dotaniya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2065117/publications.pdf>

Version: 2024-02-01

69
papers

1,782
citations

430754

18
h-index

330025

37
g-index

69
all docs

69
docs citations

69
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	A Case for Silicon Fertilization to Improve Crop Yields in Tropical Soils. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 505-518.	0.4	251
2	Use of sugarcane industrial by-products for improving sugarcane productivity and soil health. International Journal of Recycling of Organic Waste in Agriculture, 2016, 5, 185-194.	2.0	182
3	Rhizosphere Effect on Nutrient Availability in Soil and Its Uptake by Plants: A Review. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 1-12.	0.4	155
4	Role of Biofertilizers in Conservation Agriculture. , 2016, , 113-134.		89
5	Potassium Uptake by Crops as Well as Microorganisms. , 2016, , 267-280.		82
6	Assessment of chromium efficacy on germination, root elongation, and coleoptile growth of wheat (<i>Triticum aestivum</i> L.) at different growth periods. Environmental Monitoring and Assessment, 2014, 186, 2957-2963.	1.3	78
7	Geo-Accumulation Indices of Heavy Metals in Soil and Groundwater of Kanpur, India Under Long Term Irrigation of Tannery Effluent. Bulletin of Environmental Contamination and Toxicology, 2017, 98, 706-711.	1.3	65
8	Wastewater irrigation in India: Current status, impacts and response options. Science of the Total Environment, 2022, 808, 152001.	3.9	62
9	Effect of chromium (VI) toxicity on morpho-physiological characteristics, yield, and yield components of two chickpea (<i>Cicer arietinum</i> L.) varieties. PLoS ONE, 2020, 15, e0243032.	1.1	51
10	Influence of Chromium Contamination on Carbon Mineralization and Enzymatic Activities in Vertisol. Agricultural Research, 2017, 6, 91-96.	0.9	50
11	Impact of pigeon pea biochar on cadmium mobility in soil and transfer rate to leafy vegetable spinach. Environmental Monitoring and Assessment, 2016, 188, 31.	1.3	45
12	Impact of Bagasse and Press Mud on Availability and Fixation Capacity of Phosphorus in an Inceptisol of North India. Sugar Tech, 2014, 16, 109-112.	0.9	39
13	Effect of Solution Phosphorus Concentration on the Exudation of Oxalate Ions by Wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overl 2013, 83, 305-309.	0.4	38
14	Production of Oxalic Acid as Influenced by the Application of Organic Residue and Its Effect on Phosphorus Uptake by Wheat (<i>Triticum aestivum</i> L.) in an Inceptisol of North India. The National Academy of Sciences, India, 2014, 37, 401-405.	0.8	31
15	Interactive effect of cadmium and zinc on chromium uptake in spinach grown in Vertisol of Central India. International Journal of Environmental Science and Technology, 2018, 15, 441-448.	1.8	31
16	Assessing Carbon and Nitrogen Partition in Kharif Crops for Their Carbon Sequestration Potential. The National Academy of Sciences, India, 2014, 37, 213-217.	0.8	30
17	Reuse of poor-quality water for sustainable crop production in the changing scenario of climate. Environment, Development and Sustainability, 2023, 25, 7345-7376.	2.7	24
18	Rhizosphere Effect of Kharif Crops on Phosphatases and Dehydrogenase Activities in a Typic Haplustert. The National Academy of Sciences, India, 2014, 37, 103-106.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Soil Enzymatic Activities as Influenced by Lead and Nickel Concentrations in a Vertisol of Central India. Bulletin of Environmental Contamination and Toxicology, 2018, 101, 380-385.	1.3	23
20	Managing Soil Fertility Through Microbes: Prospects, Challenges and Future Strategies. , 2017, , 81-111.		22
21	Maturity indices as an index to evaluate the quality of sulphur enriched municipal solid waste compost using variable byproduct of sulphur. Waste Management, 2021, 126, 180-190.	3.7	22
22	Impact of arsenic-polluted groundwater on soil and produce quality: a food chain study. Environmental Monitoring and Assessment, 2020, 192, 785.	1.3	20
23	Effect of Bio-Organics and Chemical Fertilizers on Growth and Yield of Chickpea (<i>Cicer Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.8	19
24	Impact of Long-Term Application of Sewage on Soil and Crop Quality in Vertisols of Central India. Bulletin of Environmental Contamination and Toxicology, 2018, 101, 779-786.	1.3	18
25	Lead Contamination and Its Dynamics in Soilâ€“Plant System. Radionuclides and Heavy Metals in Environment, 2020, , 83-98.	0.5	18
26	Elevated Carbon Dioxide (CO2) and Temperature vis-a-vis Carbon Sequestration Potential of Global Terrestrial Ecosystem. , 2016, , 225-256.		17
27	Interactive Effects of Lead and Nickel Contamination on Nickel Mobility Dynamics in Spinach. International Journal of Environmental Research, 2018, 12, 553-560.	1.1	16
28	Impact of 12-year-long rice based organic farming on soil quality in terms of soil physical properties, available micronutrients and rice yield in a typic Ustochrept soil of India. Communications in Soil Science and Plant Analysis, 2020, 51, 2331-2348.	0.6	15
29	Bio-Sequestration of Carbon in Rice Phytoliths. The National Academy of Sciences, India, 2015, 38, 129-133.	0.8	13
30	Sustainability of Popcorn-Potato Cropping System Improves Due to Organic Manure Application and Its Effect on Soil Health. Potato Research, 2019, 62, 253-279.	1.2	13
31	Impact of Lead Contamination on Agroecosystem and Human Health. Radionuclides and Heavy Metals in Environment, 2020, , 67-82.	0.5	13
32	Nickel-mediated lead dynamics and their interactive effect on lead partitioning and phytoremediation indices in spinach. Environmental Monitoring and Assessment, 2022, 194, 334.	1.3	13
33	Major Inorganic Pollutants Affecting Soil and Crop Quality. Environmental Chemistry for A Sustainable World, 2017, , 75-104.	0.3	12
34	Soil microbial, chemical properties and crop productivity as affected by organic manure application in popcorn (Zea mays L. var. everta). African Journal of Microbiology Research, 2015, 9, 1402-1408.	0.4	11
35	Bioremediation of Metal Contaminated Soil for Sustainable Crop Production. , 2018, , 143-173.		11
36	Impact of phosphorus and iron on protein and chlorophyll content in chickpea (Cicer arietinumL.). Legume Research, 2015, 38, 558.	0.0	11

#	ARTICLE	IF	CITATIONS
37	Impacts of Soil Pollution and Their Assessment. Environmental Chemistry for A Sustainable World, 2017, , 37-73.	0.3	10
38	CO2 Sequestration and Transformation Potential of Agricultural System. , 2018, , 1-18.		10
39	Reducing chromium uptake through application of calcium and sodium in spinach. Environmental Monitoring and Assessment, 2019, 191, 754.	1.3	10
40	Silicon Potential to Mitigate Plant Heavy Metals Stress for Sustainable Agriculture: a Review. Silicon, 2022, 14, 4447-4462.	1.8	10
41	Conservation Agriculture: A New Paradigm for Improving Input Use Efficiency and Crop Productivity. , 2016, , 39-69.		10
42	Carbon and nitrogen mineralization in Vertisol as mediated by type and placement method of residue. Environmental Monitoring and Assessment, 2018, 190, 439.	1.3	9
43	Agriculture, Soil and Environment. Environmental Chemistry for A Sustainable World, 2017, , 1-9.	0.3	8
44	Microbial Assisted Phytoremediation for Heavy Metal Contaminated Soils. , 2018, , 295-317.		8
45	Can Lead and Nickel Interaction Affect Plant Nutrient Uptake Pattern in Spinach (<i>Spinacia oleracea</i>)?. Agricultural Research, 2020, 9, 358-364.	0.9	8
46	Nitrification Inhibition Potential of <i>Brachiaria humidicola</i> . The National Academy of Sciences, India, 2014, 37, 113-116.	0.8	7
47	Pigeon Pea Biochar as a Soil Amendment to Repress Copper Mobility in Soil and Its Uptake by Spinach. BioResources, 2015, 11, .	0.5	7
48	Effect of Organic Sources of Nutrients on Tuber Bulking Rate, Grades and Specific Gravity of Potato Tubers. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2016, 86, 47-53.	0.4	7
49	Organic Pollutants. Environmental Chemistry for A Sustainable World, 2017, , 105-135.	0.3	7
50	Chromium toxicity mediated by application of chloride and sulfate ions in Vertisol of Central India. Environmental Monitoring and Assessment, 2019, 191, 429.	1.3	7
51	Carbon, Nitrogen and Phosphorus Mineralization as Influenced by Type of Organic Residues and Soil Contact Variation in Vertisol of Central India. Agricultural Research, 2020, 9, 232-240.	0.9	7
52	Sustainable C and N Management Under Metal-Contaminated Soils. , 2020, , 293-336.		7
53	Silicon (Si)- and Zinc (Zn)-Solubilizing Microorganisms: Role in Sustainable Agriculture. Soil Biology, 2019, , 109-135.	0.6	6
54	Environmental Impact Measurements: Tool and Techniques. , 2018, , 1-31.		4

#	ARTICLE	IF	CITATIONS
55	Performance of chickpea (<i>Cicer arietinum</i> L.) in maize-chickpea sequence under various integrated nutrient modules in a Vertisol of Central India. PLoS ONE, 2022, 17, e0262652.	1.1	4
56	Rainfall Variability: A Tool for Crop Planning of Udaipur Region of India. The National Academy of Sciences, India, 2015, 38, 95-98.	0.8	3
57	Assessment of Heavy Metals Contamination in Soil. Environmental Chemistry for A Sustainable World, 2017, , 155-191.	0.3	3
58	Urban Activities in India Leading to Soil Pollution. Environmental Chemistry for A Sustainable World, 2017, , 193-228.	0.3	3
59	Remediation and Management of Polluted Sites. Environmental Chemistry for A Sustainable World, 2017, , 317-372.	0.3	3
60	Can Addition of Organic Manures Mediated Sodicity Toxicity in Mustard Cultivation ?. Communications in Soil Science and Plant Analysis, 2022, 53, 77-88.	0.6	3
61	Phytobionts of Wastewater and Restitution. , 2018, , 379-401.		2
62	Type of Soil Pollutant and Their Degradation: Methods and Challenges. , 2020, , 1-32.		2
63	Environmental Impact Measurements: Tool and Techniques. , 2018, , 1-31.		1
64	Environmental Impact Measurements: Tool and Techniques. , 2019, , 33-62.		1
65	Silicon Potential to Mitigate Plant Heavy Metals Stress for Sustainable Agriculture: a Review. Silicon, 0, , .	1.8	1
66	Soil Protection Policy. Environmental Chemistry for A Sustainable World, 2017, , 373-386.	0.3	1
67	Type of Soil Pollutant and Their Degradation: Methods and Challenges. , 2021, , 3103-3134.		0
68	CO2 Sequestration and Transformation Potential of Agricultural System. , 2019, , 669-686.		0
69	A novel soil quality assessment method for sustainable soil management and enhancing crop productivity in tribal areas of central India. Environment Conservation Journal, 2021, 22, 315-324.	0.1	0