Mohan Lal Dotaniya

List of Publications by Year in Descending Order

68 papers	1,184 citations	16 h-index	32 g-index
69 ext. papers	1,407 ext. citations	2 avg, IF	4.78 L-index

#	Paper	IF	Citations
68	Performance of chickpea (Cicer arietinum L.) in maize-chickpea sequence under various integrated nutrient modules in a Vertisol of Central India.. *PLoS ONE*, **2022**, 17, e0262652	3.7	0
67	Nickel-mediated lead dynamics and their interactive effect on lead partitioning and phytoremediation indices in spinach.. *Environmental Monitoring and Assessment*, **2022**, 194, 334	3.1	2
66	Wastewater irrigation in India: Current status, impacts and response options. *Science of the Total Environment*, **2021**, 808, 152001	10.2	6
65	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	8.6	9
64	Type of Soil Pollutant and Their Degradation: Methods and Challenges **2021**, 3103-3134		
63	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	0.5	
62	Effect of chromium (VI) toxicity on morpho-physiological characteristics, yield, and yield components of two chickpea (Cicer arietinum L.) varieties. *PLoS ONE*, **2020**, 15, e0243032	3.7	20
61	Type of Soil Pollutant and Their Degradation: Methods and Challenges **2020**, 1-32		2
60	Impact of Lead Contamination on Agroecosystem and Human Health. *Radionuclides and Heavy Metals in Environment*, **2020**, 67-82	1	10
59	Lead Contamination and Its Dynamics in Soil–Plant System. *Radionuclides and Heavy Metals in Environment*, **2020**, 83-98	1	10
58	Sustainable C and N Management Under Metal-Contaminated Soils **2020**, 293-336		4
57	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	1.5	5
56	Impact of arsenic-polluted groundwater on soil and produce quality: a food chain study. *Environmental Monitoring and Assessment*, **2020**, 192, 785	3.1	8
55	Can Lead and Nickel Interaction Affect Plant Nutrient Uptake Pattern in Spinach (Spinacia oleracea)?. *Agricultural Research*, **2020**, 9, 358-364	1.4	4
54	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	1.4	2
53	Chromium toxicity mediated by application of chloride and sulfate ions in Vertisol of Central India. *Environmental Monitoring and Assessment*, **2019**, 191, 429	3.1	5
52	Silicon (Si)- and Zinc (Zn)-Solubilizing Microorganisms: Role in Sustainable Agriculture. *Soil Biology*, **2019**, 109-135	1	5

51	CO2 Sequestration and Transformation Potential of Agricultural System **2019**, 669-686		
50	Environmental Impact Measurements: Tool and Techniques **2019**, 33-62		1
49	Sustainability of Popcorn-Potato Cropping System Improves Due to Organic Manure Application and Its Effect on Soil Health. *Potato Research*, **2019**, 62, 253-279	3.2	7
48	Reducing chromium uptake through application of calcium and sodium in spinach. *Environmental Monitoring and Assessment*, **2019**, 191, 754	3.1	5
47	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	3.3	27
46	Carbon and nitrogen mineralization in Vertisol as mediated by type and placement method of residue. *Environmental Monitoring and Assessment*, **2018**, 190, 439	3.1	5
45	CO2 Sequestration and Transformation Potential of Agricultural System **2018**, 1-18		10
44	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	2.7	16
43	Environmental Impact Measurements: Tool and Techniques **2018**, 1-31		4
42	Microbial Assisted Phytoremediation for Heavy Metal Contaminated Soils **2018**, 295-317		6
41	Phytobionts of Wastewater and Restitution **2018**, 379-401		1
40	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	2.7	16
39	Bioremediation of Metal Contaminated Soil for Sustainable Crop Production **2018**, 143-173		6
38	Environmental Impact Measurements: Tool and Techniques **2018**, 1-31		1
37	Interactive Effects of Lead and Nickel Contamination on Nickel Mobility Dynamics in Spinach. *International Journal of Environmental Research*, **2018**, 12, 553-560	2.9	11
36	Managing Soil Fertility Through Microbes: Prospects, Challenges and Future Strategies **2017**, 81-111		16
35	Impacts of Soil Pollution and Their Assessment. *Environmental Chemistry for A Sustainable World*, **2017**, 37-73	0.8	9
34	Major Inorganic Pollutants Affecting Soil and Crop Quality. *Environmental Chemistry for A Sustainable World*, **2017**, 75-104	0.8	8

33	Organic Pollutants. *Environmental Chemistry for A Sustainable World*, **2017**, 105-135	0.8	3
32	Assessment of Heavy Metals Contamination in Soil. *Environmental Chemistry for A Sustainable World* , **2017**, 155-191	0.8	2
31	Urban Activities in India Leading to Soil Pollution. *Environmental Chemistry for A Sustainable World*, **2017**, 193-228	0.8	3
30	Agriculture, Soil and Environment. *Environmental Chemistry for A Sustainable World*, **2017**, 1-9	0.8	5
29	Remediation and Management of Polluted Sites. *Environmental Chemistry for A Sustainable World*, **2017**, 317-372	0.8	2
28	Influence of Chromium Contamination on Carbon Mineralization and Enzymatic Activities in Vertisol. *Agricultural Research*, **2017**, 6, 91-96	1.4	42
27	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	2.7	49
26	Soil Protection Policy. *Environmental Chemistry for A Sustainable World*, **2017**, 373-386	0.8	1
25	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	3.1	117
24	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	1.4	5
23	Impact of pigeon pea biochar on cadmium mobility in soil and transfer rate to leafy vegetable spinach. *Environmental Monitoring and Assessment*, **2016**, 188, 31	3.1	36
22	Conservation Agriculture: A New Paradigm for Improving Input Use Efficiency and Crop Productivity **2016**, 39-69		8
21	Role of Biofertilizers in Conservation Agriculture **2016**, 113-134		78
20	Elevated Carbon Dioxide (CO2) and Temperature vis-a-vis Carbon Sequestration Potential of Global Terrestrial Ecosystem **2016**, 225-256		14
19	Potassium Uptake by Crops as Well as Microorganisms **2016**, 267-280		76
18	Rainfall Variability: A Tool for Crop Planning of Udaipur Region of India. *The National Academy of Sciences, India*, **2015**, 38, 95-98	0.6	3
17	Bio-Sequestration of Carbon in Rice Phytoliths. *The National Academy of Sciences, India*, **2015**, 38, 129-133	0.6	12
16	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	1.4	95

15	Pigeon Pea Biochar as a Soil Amendment to Repress Copper Mobility in Soil and Its Uptake by Spinach. *BioResources*, **2015**, 11,	1.3	5
14	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	0.5	6
13	Impact of phosphorus and iron on protein and chlorophyll content in chickpea (Cicer arietinumL.). *Legume Research*, **2015**, 38, 558	1	4
12	Nitrification Inhibition Potential of Brachiaria humidicola. *The National Academy of Sciences, India*, **2014**, 37, 113-116	0.6	7
11	Assessment of chromium efficacy on germination, root elongation, and coleoptile growth of wheat (Triticum aestivum L.) at different growth periods. *Environmental Monitoring and Assessment*, **2014**, 186, 2957-63	3.1	58
10	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	1.9	30
9	Rhizosphere Effect of Kharif Crops on Phosphatases and Dehydrogenase Activities in a Typic Haplustert. *The National Academy of Sciences, India*, **2014**, 37, 103-106	0.6	18
8	Assessing Carbon and Nitrogen Partition in Kharif Crops for Their Carbon Sequestration Potential. *The National Academy of Sciences, India*, **2014**, 37, 213-217	0.6	26
7	Production of Oxalic Acid as Influenced by the Application of Organic Residue and Its Effect on Phosphorus Uptake by Wheat (Triticum aestivum L.) in an Inceptisol of North India. *The National Academy of Sciences, India*, **2014**, 37, 401-405	0.6	29
6	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	1.4	162
5	Effect of Solution Phosphorus Concentration on the Exudation of Oxalate Ions by Wheat (Triticum aestivum L.). *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2013**, 83, 305-309	1.4	29
4	Effect of Bio-Organics and Chemical Fertilizers on Growth and Yield of Chickpea (Cicer arietinumL.) Under Middle Gujarat Conditions. *Vegetos*, **2013**, 26, 183	1.2	12
3	Silicon Potential to Mitigate Plant Heavy Metals Stress for Sustainable Agriculture: a Review. *Silicon*,1	2.4	2
2	Can Addition of Organic Manures Mediated Sodicity Toxicity in Mustard Cultivation ?. *Communications in Soil Science and Plant Analysis*,1-12	1.5	1
1	Reuse of poor-quality water for sustainable crop production in the changing scenario of climate. *Environment, Development and Sustainability*,	4.5	2