

# Dheeraj Rathore

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,123  
citations

516215

16  
h-index

525886

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable utilization of crop residues for energy generation: A life cycle assessment (LCA) perspective. <i>Bioresource Technology</i> , 2020, 303, 122964.	4.8	132
2	Changes in oxidative stress defense system in wheat ( <i>Triticum aestivum</i> L.) and mung bean ( <i>Vigna</i> ) ultraviolet-B. <i>Environmental and Experimental Botany</i> , 2007, 59, 21-33.	2.0	129
3	Key issues in estimating energy and greenhouse gas savings of biofuels: challenges and perspectives. <i>Biofuel Research Journal</i> , 2016, 3, 380-393.	7.2	127
4	Biohydrogen Production from Lignocellulosic Biomass: Technology and Sustainability. <i>Energies</i> , 2015, 8, 13062-13080.	1.6	114
5	Dust pollution: Its removal and effect on foliage physiology of urban trees. <i>Sustainable Cities and Society</i> , 2019, 51, 101696.	5.1	66
6	Role of ethylene diurea (EDU) in assessing impact of ozone on <i>Vigna radiata</i> L. plants in a suburban area of Allahabad (India). <i>Chemosphere</i> , 2005, 61, 218-228.	4.2	65
7	Suspended particulate matter deposition and its impact on urban trees. <i>Atmospheric Pollution Research</i> , 2018, 9, 1072-1082.	1.8	62
8	Biosurfactants as a Biological Tool to Increase Micronutrient Availability in Soil: A Review. <i>Pedosphere</i> , 2018, 28, 170-189.	2.1	62
9	Ozone risk assessment of castor ( <i>Ricinus communis</i> L.) cultivars using open top chamber and ethylenediurea (EDU). <i>Environmental Pollution</i> , 2019, 244, 257-269.	3.7	38
10	Protective role of exogenously supplied salicylic acid and PGPB ( <i>Stenotrophomonas</i> sp.) on spinach and soybean cultivars grown under salt stress. <i>Scientia Horticulturae</i> , 2022, 293, 110654.	1.7	36
11	Sustainability of biohydrogen as fuel: Present scenario and future perspective. <i>AIMS Energy</i> , 2019, 7, 1-19.	1.1	33
12	Amelioration of Indian urban air pollution phytotoxicity in <i>Beta vulgaris</i> L. by modifying NPK nutrients. <i>Environmental Pollution</i> , 2005, 134, 385-395.	3.7	30
13	Impact assessment of azulene and chromium on growth and metabolites of wheat and chilli cultivars under biosurfactant augmentation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109789.	2.9	26
14	Oxidative stress defence responses of wheat ( <i>Triticum aestivum</i> L.) and chilli ( <i>Capsicum annum</i> L.) cultivars grown under textile effluent fertilization. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 342-358.	2.8	24
15	Relative effectiveness of ethylenediurea, phenyl urea, ascorbic acid and urea in preventing groundnut ( <i>Arachis hypogaea</i> L) crop from ground level ozone. <i>Environmental Technology and Innovation</i> , 2020, 19, 100963.	3.0	21
16	Role of textile effluent fertilization with biosurfactant to sustain soil quality and nutrient availability. <i>Journal of Environmental Management</i> , 2020, 268, 110664.	3.8	19
17	Combined effects of enhanced ultraviolet-B radiation and mineral nutrients on growth, biomass accumulation and yield characteristics of two cultivars of <i>Vigna radiata</i> L. <i>Journal of Environmental Biology</i> , 2006, 27, 55-60.	0.2	19
18	Biohydrogen Production: Sustainability of Current Technology and Future Perspective. , 2017, , .		14

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19	Assessment of doseâ€“response relationship between ozone dose and groundnut ( <i>Arachis hypogaea</i> L) cultivars using Open Top Chamber (OTC) and Ethylenediurea (EDU). <i>Environmental Technology and Innovation</i> , 2021, 22, 101494.	3.0	14
20	Biohydrogen Production from Microalgae. , 2013, , 317-333.		13
21	Analysis of biosurfactants produced by bacteria growing on textile sludge and their toxicity evaluation for environmental application. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 510-522.	1.3	13
22	Effects of tropospheric ozone on groundnut ( <i>Arachis hypogea</i> L.) cultivars: Role of plant age and antioxidative potential. <i>Atmospheric Pollution Research</i> , 2021, 12, 381-395.	1.8	11
23	Assessment of ozone toxicity on cotton ( <i>Gossypium hirsutum</i> L.) cultivars: Its defensive system and intraspecific sensitivity. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 912-927.	2.8	11
24	A Comparison of Life Cycle Assessment Studies of Different Biofuels. <i>Green Energy and Technology</i> , 2013, , 269-289.	0.4	9
25	Effects of ambient and elevated ozone on morphophysiology of cotton ( <i>Gossypium hirsutum</i> L.) and its correlation with yield traits. <i>Environmental Technology and Innovation</i> , 2022, 25, 102146.	3.0	8
26	Growth Responses of Wheat ( <i>Triticum aestivum</i> L. var. HD 2329) Exposed to Ambient Air Pollution under Varying Fertility Regimes. <i>Scientific World Journal</i> , The, 2003, 3, 799-810.	0.8	7
27	Effects of Fertilization with Textile Effluent on Germination, Growth and Metabolites of Chilli ( <i>Capsicum annum</i> L) Cultivars. <i>Environmental Processes</i> , 2021, 8, 1249-1266.	1.7	7
28	Role of transitory starch on growth, development and metal accumulation of <i>Triticum aestivum</i> cultivars grown under textile effluent fertilization. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24201-24217.	2.7	6
29	Biohydrogen: Next Generation Fuel. , 2017, , 1-10.		4
30	Agricultural Waste Valorization: An Energy Production Perspective. <i>Environmental and Microbial Biotechnology</i> , 2021, , 249-260.	0.4	2
31	Biohydrogen: Global Trend and Future Perspective. , 2017, , 291-315.		1
32	Perspectives of Environmental Microbiology and Biotechnology. , 2020, , 1-16.		0
33	Monitoring of airborne heavy metal using plants: Perspective and challenges. , 2022, , 27-44.		0