

# The effects of metallic engineered nanoparticles upon p examination of scientific evidence

Science of the Total Environment

579, 93-106

DOI: [10.1016/j.scitotenv.2016.10.229](https://doi.org/10.1016/j.scitotenv.2016.10.229)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of ZnO nanoparticles on corn seedlings at different temperatures; X-ray absorption spectroscopy and ICP/OES studies. <i>Microchemical Journal</i> , 2017, 134, 54-61.	2.3	39
2	Nanoparticle and Ionic Zn Promote Nutrient Loading of Sorghum Grain under Low NPK Fertilization. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8552-8559.	2.4	169
3	Uptake, transportation, and accumulation of C60 fullerene and heavy metal ions (Cd, Cu, and Pb) in rice plants grown in an agricultural soil. <i>Environmental Pollution</i> , 2018, 235, 330-338.	3.7	72
4	Nanofertilizers: New Products for the Industry?. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6462-6473.	2.4	297
5	Morphological, proteomic and metabolomic insight into the effect of cerium dioxide nanoparticles to <i>Phaseolus vulgaris</i> L. under soil or foliar application. <i>Science of the Total Environment</i> , 2018, 616-617, 1540-1551.	3.9	162
6	Phytotoxicity of silver nanoparticles to <i>Lemna minor</i> : Surface coating and exposure period-related effects. <i>Science of the Total Environment</i> , 2018, 618, 1389-1399.	3.9	48
8	Effects of Nanoparticles on Germination, Growth, and Plant Crop Development. , 2018, , 77-110.		8
9	Nanoparticle-Associated Phytotoxicity and Abiotic Stress Under Agroecosystems. , 2018, , 241-268.		7
10	Current findings on terrestrial plants – Engineered nanomaterial interactions: Are plants capable of phytoremediating nanomaterials from soil?. <i>Current Opinion in Environmental Science and Health</i> , 2018, 6, 9-15.	2.1	35
11	Different forms of copper and kinetin impacted element accumulation and macromolecule contents in kidney bean ( <i>Phaseolus vulgaris</i> ) seeds. <i>Science of the Total Environment</i> , 2018, 636, 1534-1540.	3.9	16
12	Effects of Manganese Nanoparticle Exposure on Nutrient Acquisition in Wheat ( <i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2018, 8, 158.	1.3	91
13	Zinc oxide nanoparticles alleviate drought-induced alterations in sorghum performance, nutrient acquisition, and grain fortification. <i>Science of the Total Environment</i> , 2019, 688, 926-934.	3.9	196
14	An Assessment of the Effect of Green Synthesized Silver Nanoparticles Using Sage Leaves ( <i>Salvia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	28
15	Induction of Plant Defense Machinery Against Nanomaterials Exposure. , 2019, , 241-263.		6
16	Synthesis and production of engineered nanomaterials for laboratory and industrial use. , 2019, , 3-30.		2
17	Green-synthesized copper nanoparticles as a potential antifungal against plant pathogens. <i>RSC Advances</i> , 2019, 9, 18835-18843.	1.7	120
18	Addition-omission of zinc, copper, and boron nano and bulk oxide particles demonstrate element and size -specific response of soybean to micronutrients exposure. <i>Science of the Total Environment</i> , 2019, 665, 606-616.	3.9	62
19	Nanotechnology for Agriculture. , 2019, , .		12

#	ARTICLE	IF	CITATIONS
20	TiO <sub>2</sub> nanoparticles in a biosolid-amended soil and their implication in soil nutrients, microorganisms and <i>Pisum sativum</i> nutrition. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110095.	2.9	29
21	Interactions of metal-based nanoparticles (MBNPs) and metal-oxide nanoparticles (MONPs) with crop plants: a critical review of research progress and prospects. <i>Environmental Reviews</i> , 2020, 28, 294-310.	2.1	28
22	Guiding the design space for nanotechnology to advance sustainable crop production. <i>Nature Nanotechnology</i> , 2020, 15, 801-810.	15.6	119
23	Importance of nanofertilizers in fruit nutrition. , 2020, , 497-508.		6
24	Nanocatalyst types and their potential impacts in agroecosystems: An overview. , 2020, , 323-344.		8
25	Toxicology and Safety Aspects of Nanosensor on Environment, Food, and Agriculture. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 139-156.	0.3	2
26	Transition Metals Doped Nanocrystals: Synthesis, Characterization, and Applications. , 0, , .		1
27	In vitro exposed magnesium oxide nanoparticles enhanced the growth of legume <i>Macrotyloma uniflorum</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 13635-13645.	2.7	14
28	Cytotoxicity, phytotoxicity, and photocatalytic assessment of biopolymer cellulose-mediated silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127270.	2.3	12
29	Interactions of nanoparticles and salinity stress at physiological, biochemical and molecular levels in plants: A review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112769.	2.9	50
30	In vitro exposure of magnesium oxide nanoparticles adversely affects the vegetative growth and biochemical parameters of black gram. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100483.	1.7	8
31	Beneficial Effects of Metal- and Metalloid-Based Nanoparticles on Crop Production. , 2019, , 161-219.		8
32	In vitro exposure of magnesium oxide nanoparticles negatively regulate the growth of <i>Vigna radiata</i> . <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10679-10690.	1.8	8
34	Silicon nanoparticles decrease arsenic translocation and mitigate phytotoxicity in tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 34147-34163.	2.7	22
35	Impact of copper-based nanoparticles on economically important plants. , 2022, , 293-339.		3
36	Titanium and Zinc Based Nanomaterials in Agriculture: A Promising Approach to Deal with (A)biotic Stresses?. <i>Toxics</i> , 2022, 10, 172.	1.6	25
37	MgO nanoparticles mediated seed priming inhibits the growth of lentil ( <i>Lens culinaris</i> ). <i>Vegetos</i> , 2022, 35, 1128-1141.	0.8	8
38	Effects of Zinc, Copper and Iron Oxide Nanoparticles on Induced DNA Methylation, Genomic Instability and LTR Retrotransposon Polymorphism in Wheat ( <i>Triticum aestivum</i> L.). <i>Plants</i> , 2022, 11, 2193.	1.6	8

#	ARTICLE	IF	CITATIONS
39	Biocontrol potential of mycogenic copper oxide nanoparticles against <i>Alternaria brassicae</i> . <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	9
40	Nanoparticles: The Plant Saviour under Abiotic Stresses. <i>Nanomaterials</i> , 2022, 12, 3915.	1.9	41
41	Interaction of Nanomaterials with Plant Macromolecules: Nucleic Acid, Proteins and Hormones. , 2023, , 231-271.		0
45	Uptake, accumulation, toxicity, and interaction of metallic-based nanoparticles with plants: current challenges and future perspectives. <i>Environmental Geochemistry and Health</i> , 2023, 45, 4165-4179.	1.8	2
48	Nanoformulation Synthesis and Mechanisms of Interactions with Biological Systems. , 2023, , 18-35.		0
52	Introduction to engineered nanomaterials. , 2024, , 1-23.		0