

Microbial-enhanced Selenium and Iron Biofortification

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Selenium Cycling Across Soil-Plant-Atmosphere Interfaces: A Critical Review. <i>Nutrients</i> , 2015, 7, 4199-4239.	1.7	319
2	Selenium hyperaccumulators harbor a diverse endophytic bacterial community characterized by high selenium resistance and plant growth promoting properties. <i>Frontiers in Plant Science</i> , 2015, 6, 113.	1.7	89
3	Biofortification and phytoremediation of selenium in China. <i>Frontiers in Plant Science</i> , 2015, 6, 136.	1.7	184
4	Plant Growth-Promoting Bacteria: A Good Source for Phytoremediation of Metal-Contaminated Soil. , 2016, , 119-129.		0
5	Influence of Pak choi plant cultivation on Se distribution, speciation and bioavailability in soil. <i>Plant and Soil</i> , 2016, 403, 331-342.	1.8	37
6	Selenium and nano-selenium in plant nutrition. <i>Environmental Chemistry Letters</i> , 2016, 14, 123-147.	8.3	146
7	The impact of selenium application on enzymatic and non-enzymatic antioxidant systems in <i>Zea mays</i> roots treated with combined osmotic and heat stress. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 261-275.	1.3	35
8	Selenium Biofortification and Phytoremediation Phytotechnologies: A Review. <i>Journal of Environmental Quality</i> , 2017, 46, 10-19.	1.0	108
9	Bacteria Versus Selenium: A View from the Inside Out. <i>Plant Ecophysiology</i> , 2017, , 79-108.	1.5	3
10	Selenium and the Plant Microbiome. <i>Plant Ecophysiology</i> , 2017, , 109-121.	1.5	1
11	Bacterial-Mediated Selenium Biofortification of <i>Triticum aestivum</i> : Strategy for Improvement in Selenium Phytoremediation and Biofortification. , 2017, , 299-315.		3
12	Effects of different concentrations of Se ⁶⁺ on selenium absorption, transportation, and distribution of citrus seedlings (<i>C. junos</i> cv. Ziyang xiangcheng). <i>Journal of Plant Nutrition</i> , 0, , 1-10.	0.9	0
13	Enhanced Iron and Selenium Uptake in Plants by Volatile Emissions of <i>Bacillus amyloliquefaciens</i> (BF06). <i>Applied Sciences (Switzerland)</i> , 2017, 7, 85.	1.3	41
14	Selenium behavior in the soil environment and its implication for human health. <i>Ciencia E Agrotecnologia</i> , 2017, 41, 605-615.	1.5	66
15	The Role of Soil Beneficial Bacteria in Wheat Production: A Review. , 0, , .		7
16	Selenorhizobacteria : As biofortification tool in sustainable agriculture. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 198-203.	1.5	25
17	Use of plant growth promoting rhizobacteria (PGPRs) with multiple plant growth promoting traits in stress agriculture: Action mechanisms and future prospects. <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 225-246.	2.9	529
18	Plant Selenium Hyperaccumulation Affects Rhizosphere: Enhanced Species Richness and Altered Species Composition. <i>Phytobiomes Journal</i> , 2018, 2, 82-91.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Phytoremediation in Waste Management: Hyperaccumulation Diversity and Techniques. , 2018, , 277-302.		9
20	Phosphate-solubilizing bacteria improve the phytoremediation efficiency of <i>Wedelia trilobata</i> for Cu-contaminated soil. International Journal of Phytoremediation, 2018, 20, 813-822.	1.7	25
21	Combating Hidden Hunger in Agriculture Perspective. World Review of Nutrition and Dietetics, 2018, 118, 161-166.	0.1	14
22	Prospecting for Microelement Function and Biosafety Assessment of Transgenic Cereal Plants. Frontiers in Plant Science, 2018, 9, 326.	1.7	5
23	Selenium Accumulation, Speciation and Localization in Brazil Nuts (<i>Bertholletia excelsa</i> H.B.K.). Plants, 2019, 8, 289.	1.6	34
24	A review on global metal accumulatorsâ€™ mechanism, enhancement, commercial application, and research trend. Environmental Science and Pollution Research, 2019, 26, 26449-26471.	2.7	51
25	Cadmium in plants: uptake, toxicity, and its interactions with selenium fertilizers. Metallomics, 2019, 11, 255-277.	1.0	386
26	The application potential of coal fly ash for selenium biofortification. Advances in Agronomy, 2019, 157, 1-54.	2.4	11
27	Scope for Applying Transgenic Plant Technology for Remediation and Fortification of Selenium. , 2019, , 429-461.		1
28	The effect of feeding inorganic and organic selenium sources on the hematological blood parameters, reproduction and health of dairy cows in the transition period. Acta Scientiarum - Animal Sciences, 0, 42, e45371.	0.3	3
29	Monitoring and analysis of selenium as an emerging contaminant in mining industry: A critical review. Science of the Total Environment, 2020, 698, 134339.	3.9	117
30	Synergistic effect of endophytic selenobacteria on biofortification and growth of <i>Glycine max</i> under drought stress. South African Journal of Botany, 2020, 134, 27-35.	1.2	28
31	Controlled release micronutrient fertilizers for precision agriculture â€“ A review. Science of the Total Environment, 2020, 712, 136365.	3.9	159
32	Selenium biofortification in the 21st century: status and challenges for healthy human nutrition. Plant and Soil, 2020, 453, 245-270.	1.8	138
33	Wheat Microbiome: Present Status and Future Perspective. , 2020, , 191-223.		12
34	Selenium Toxicity in Plants and Environment: Biogeochemistry and Remediation Possibilities. Plants, 2020, 9, 1711.	1.6	56
35	Selenium Biofortification of Crop Food by Beneficial Microorganisms. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 102	1.5	35
36	Success to iron biofortification of wheat grain by combining both plant and microbial genetics. Rhizosphere, 2020, 15, 100218.	1.4	14

#	ARTICLE	IF	CITATIONS
37	Selenium and selenoproteins: itâ€™s role in regulation of inflammation. <i>Inflammopharmacology</i> , 2020, 28, 667-695.	1.9	310
38	Microbe-mediated biofortification for micronutrients: Present status and future challenges. , 2020, , 1-17.		51
39	Perennial grasses in phytoremediationâ€™ challenges and opportunities. , 2020, , 1-29.		0
40	Biofortification of edible plants with selenium and iodine â€™ A systematic literature review. <i>Science of the Total Environment</i> , 2021, 754, 141983.	3.9	61
41	Biofortification of Plants by Using Microbes. , 2021, , 141-166.		0
42	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. <i>Molecules</i> , 2021, 26, 881.	1.7	112
43	Fe toxicity in plants: Impacts and remediation. <i>Physiologia Plantarum</i> , 2021, 173, 201-222.	2.6	33
45	Role of <i>Bacillus cereus</i> in Improving the Growth and Phytoextractability of <i>Brassica nigra</i> (L.) K. Koch in Chromium Contaminated Soil. <i>Molecules</i> , 2021, 26, 1569.	1.7	52
46	Microbial-Assisted Wheat Iron Biofortification Using Endophytic <i>Bacillus altitudinis</i> WR10. <i>Frontiers in Nutrition</i> , 2021, 8, 704030.	1.6	18
47	Evaluation of selenium biofortification strategies in <i>Phaseolus vulgaris</i> through selenocysteine methyltransferase gene expression. <i>Environmental Sustainability</i> , 0, , 1.	1.4	0
48	The beneficial and hazardous effects of selenium on the health of the soil-plant-human system: An overview. <i>Journal of Hazardous Materials</i> , 2022, 422, 126876.	6.5	88
49	CRISPR-assisted strategies for futuristic phytoremediation. , 2022, , 203-220.		7
50	Biofortification of Crop Plants: A Practical Solution to Tackle Elemental Deficiency. , 2020, , 135-182.		3
51	How sulfate content and soil depth affect the adsorption/desorption of selenate and selenite in tropical soils?. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020, 44, .	0.5	5
52	Micro-remediation of chromium contaminated soils. <i>PeerJ</i> , 2018, 6, e6076.	0.9	16
54	Microbial biotechnology for sustainable biomedicine systems: Current research and future challenges. , 2020, , 281-292.		2
56	<i>Bacillus</i> sp. and arbuscular mycorrhizal fungi consortia enhance wheat nutrient and yield in the second-year field trial: Superior performance in comparison with chemical fertilizers. <i>Journal of Applied Microbiology</i> , 2022, 132, 2203-2219.	1.4	12
57	Agronomic Biofortification with Se, Zn, and Fe: An Effective Strategy to Enhance Crop Nutritional Quality and Stress Defenseâ€™ A Review. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1129-1159.	1.7	44

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58	Mycorrhizal fungi, biochar, and selenium increase biomass of <i>Vigna radiata</i> and reduce arsenic uptake. <i>Toxicological and Environmental Chemistry</i> , 2022, 104, 84-102.	0.6	3
59	Buffer Green Patches around Urban Road Network as a Tool for Sustainable Soil Management. <i>Land</i> , 2022, 11, 343.	1.2	6
60	Beneficial Role of Selenium (Se) Biofortification in Developing Resilience Against Potentially Toxic Metal and Metalloid Stress in Crops: Recent Trends in Genetic Engineering and Omics Approaches. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2347-2377.	1.7	8
61	Exploring plant growth-promoting. <i>Crop and Pasture Science</i> , 2022, 73, 484-493.	0.7	5
62	Harnessing the role of selenium in soil-plant-microbe ecosystem: ecophysiological mechanisms and future prospects. <i>Plant Growth Regulation</i> , 2023, 100, 197-217.	1.8	4
63	<i>Priestia</i> sp. LWS1 Is a Selenium-Resistant Plant Growth-Promoting Bacterium That Can Enhance Plant Growth and Selenium Accumulation in <i>Oryza sativa</i> L.. <i>Agronomy</i> , 2022, 12, 1301.	1.3	8
64	Grass fiber crops in phytoremediation. , 2022, , 57-87.		0
65	Bio-fortification of minerals in crops: current scenario and future prospects for sustainable agriculture and human health. <i>Plant Growth Regulation</i> , 2022, 98, 5-22.	1.8	28
66	Selenium: a potent regulator of ferroptosis and biomass production. <i>Chemosphere</i> , 2022, 306, 135531.	4.2	12
67	<i>Rhodotorula mucilaginosa</i> CAM4 improved selenium uptake in <i>Spinacia oleracea</i> L. and soil enzymatic activities under abiotic stresses. <i>Environmental Science and Pollution Research</i> , 2022, 29, 89943-89953.	2.7	1
68	Plant Growth Promotion and Selenium Accumulation in <i>Zea mays</i> by Rhizobacteria Isolated from Natural Seleniferous Soils. <i>Clean - Soil, Air, Water</i> , 2022, 50, .	0.7	1
69	Background level, occurrence, speciation, bioavailability, uptake, detoxification mechanisms and management of Se-polluted soil. , 2022, , 255-282.		0
70	Current Strategies for Selenium and Iodine Biofortification in Crop Plants. <i>Nutrients</i> , 2022, 14, 4717.	1.7	10
71	Pivotal biological processes and proteins for selenite reduction and methylation in <i>Ganoderma lucidum</i> . <i>Journal of Hazardous Materials</i> , 2023, 444, 130409.	6.5	3
72	Effect of <i>Enterobacter</i> sp. EG16 on Selenium biofortification and speciation in pak choi (<i>Brassica rapa</i>) Tj ETQq0 0 Q r gBT /Overlock 10 T	1.7	6
73	Agronomic biofortification of food crops: An emerging opportunity for global food and nutritional security. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	13
75	Biofortification of crops using microbes â€“ a promising sustainable agriculture strategy. <i>Journal of Plant Nutrition</i> , 2023, 46, 2912-2935.	0.9	4
76	Biofortification: A long-term solution to improve global health- a review. <i>Chemosphere</i> , 2023, 314, 137713.	4.2	2

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77	Harnessing Native <i>Bacillus</i> spp. for Sustainable Wheat Production. <i>Applied and Environmental Microbiology</i> , 2023, 89, .	1.4	4
78	Mineral nutrition and crop quality. , 2023, , 419-444.		1
84	Agronomic Biofortification: An Effective Tool for Alleviating Nutrient Deficiency in Plants and Human Diet. , 2023, , 1-35.		1
85	Nanofertilizers: A Promising Approach to Boost Plant Health and Yield. <i>Nanotechnology in the Life Sciences</i> , 2024, , 455-506.	0.4	0
86	Selenium Bio-Fortification in Cereal Crops: An Overview. , 2023, , 159-172.		0
87	Legume Biofortification to Increase Selenium Content. , 2023, , 371-388.		0