Arsenic biogeochemical cycling in paddy soil-rice syste amendments and mineral nutrients

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Citation Report

#	Article	IF	Citations
1	Future perspectives and mitigation strategies towards groundwater arsenic contamination in West Bengal, India. Environmental Quality Management, 2022, 31, 75-97.	1.0	33
2	Arsenite-oxidizing bacteria isolated from an abandoned realgar mining area: Characterization and the influence on arsenic accumulation in rice seedlings. Environmental Technology and Innovation, 2021, 23, 101800.	3.0	5
3	Assessment of arsenic status and distribution in Usangu agro-ecosystem-Tanzania. Journal of Environmental Management, 2021, 294, 113012.	3.8	2
4	Risk Assessment of Arsenic Toxicity Through Groundwater-Soil-Rice System in Maldah District, Bengal Delta Basin, India. Archives of Environmental Contamination and Toxicology, 2021, 81, 438-448.	2.1	8
5	Impact of organic and inorganic amendments on arsenic accumulation by rice genotypes under paddy soil conditions: A pilot-scale investigation to assess health risk. Journal of Hazardous Materials, 2021, 420, 126620.	6.5	17
6	Co-oxidative removal of arsenite and tetracycline based on a heterogeneous Fenton-like reaction using iron nanoparticles-impregnated biochar. Environmental Pollution, 2021, 290, 118062.	3.7	60
7	The mechanistic pathways of arsenic transport in rice cultivars: Soil to mouth. Environmental Research, 2022, 204, 111942.	3.7	15
8	Biochar: A Game Changer for Sustainable Agriculture. , 2022, , 143-157.		6
9	Exposure to potentially toxic elements through the soil-tobacco-human pathway: causative factors and probabilistic model. Science of the Total Environment, 2022, 811, 151379.	3.9	2
10	Interactions with Arsenic: Mechanisms of Toxicity and Cellular Resistance in Eukaryotic Microorganisms. International Journal of Environmental Research and Public Health, 2021, 18, 12226.	1.2	17
11	Inhibition of methanogenesis leads to accumulation of methylated arsenic species and enhances arsenic volatilization from rice paddy soil. Science of the Total Environment, 2022, 818, 151696.	3.9	10
12	Meta-Analysis Enables Prediction of the Maximum Permissible Arsenic Concentration in Asian Paddy Soil. Frontiers in Environmental Science, 2021, 9, .	1.5	20
13	Bioavailability of antimony and arsenic in a flowering cabbageâ€“soil system: Controlling factors and interactive effect. Science of the Total Environment, 2022, 815, 152920.	3.9	15
14	The role of various ameliorants on geochemical arsenic distribution and CO2-carbon efflux under paddy soil conditions. Environmental Geochemistry and Health, 2023, 45, 507-523.	1.8	12
15	Molecular insight into arsenic uptake, transport, phytotoxicity, and defense responses in plants: a critical review. Planta, 2022, 255, 87.	1.6	20
16	Loading ferric lignin on polyethylene film and its influence on arsenic-polluted soil and growth of romaine lettuce plant. Environmental Science and Pollution Research, 2022, , 1.	2.7	3
17	Arsenic in Africa: potential sources, spatial variability, and the state of the art for arsenic removal using locally available materials. Groundwater for Sustainable Development, 2022, 18, 100746.	2.3	23
18	Application of selected nutrient amendments to regulate soil properties for reducing arsenic accumulation in rice. Soil and Sediment Contamination, 2023, 32, 147-163.	1.1	2

#	Article	IF	Citations
19	Antimony Release and Volatilization from Rice Paddy Soils: Field and Microcosm Study. SSRN Electronic Journal, 0, , .	0.4	0
20	Can Arsenic Immobilization in Paddy Soils Be Achieved Simultaneously with Cadmium by Liming?. SSRN Electronic Journal, 0, , .	0.4	0
21	Effect of applying persulfate on the accumulation of arsenic in rice plants grown in arsenic-contaminated paddy soil. Environmental Science and Pollution Research, 2022, 29, 66479-66489.	2.7	3
22	How different nitrogen fertilizers affect arsenic mobility in paddy soil after straw incorporation?. Journal of Hazardous Materials, 2022, 436, 129135.	6.5	10
23	Impact of treated drinking water on arsenicosis patients with continuous consumption of contaminated dietary foodstuffs: A longitudinal health effect study from arsenic prone area, West Bengal, India. Groundwater for Sustainable Development, 2022, 18, 100786.	2.3	10
24	Arsenic in the water and agricultural crop production system: Bangladesh perspectives. Environmental Science and Pollution Research, 2022, 29, 51354-51366.	2.7	16
25	Impact of arsenic on microbial community structure and their metabolic potential from rice soils of West Bengal, India. Science of the Total Environment, 2022, 841, 156486.	3.9	9
26	Mechanistic insight into the release behavior of arsenic (As) based on its geochemical fractions in the contaminated soils around lead/zinc (Pb/Zn) smelters. Journal of Cleaner Production, 2022, 363, 132348.	4.6	14
27	Regulation of Stress Correlated Genes and Maintenance of Ionome Homeostasis in Rice Plants in Response to Arsenite Stress: Potential Connection between Transcriptomics and Ionomics. SSRN Electronic Journal, 0, , .	0.4	0
28	Varietal differences influence arsenic and lead contamination of rice grown in mining impacted agricultural fields of Zamfara State, Nigeria. Chemosphere, 2022, 305, 135339.	4.2	5
29	Antimony release and volatilization from rice paddy soils: Field and microcosm study. Science of the Total Environment, 2022, 842, 156631.	3.9	4
30	Arsenic extraction from seriously contaminated paddy soils with ferrihydrite-loaded sand columns. Chemosphere, 2022, 307, 135744.	4.2	6
31	Human health impact due to arsenic contaminated rice and vegetables consumption in naturally arsenic endemic regions. Environmental Pollution, 2022, 308, 119712.	3.7	14
32	Characterization of the rare microbiome of rice paddy soil from arsenic contaminated hotspot of West Bengal and their interrelation with arsenic and other geochemical parameters. World Journal of Microbiology and Biotechnology, 2022, 38, .	1.7	1
34	Arsenic accumulation in rice: Alternative irrigation regimes produce rice safe from arsenic contamination. Environmental Pollution, 2022, 310, 119829.	3.7	6
35	Distinct Response of Arsenic Speciation and Bioavailability to Different Exogenous Organic Matter in Paddy Soil. SSRN Electronic Journal, 0, , .	0.4	0
36	Significance of Arbuscular Mycorrhizal Fungi in Mitigating Abiotic Environmental Stress in Medicinal and Aromatic Plants: A Review. Foods, 2022, 11, 2591.	1.9	15
37	Toxic Metals and Metalloids in Hassawi Brown Rice: Fate during Cooking and Associated Health Risks. International Journal of Environmental Research and Public Health, 2022, 19, 12125.	1.2	3

#	Article	IF	Citations
38	Interaction of Soil Nutrients and Arsenic (As) in Paddy Soil in a Long-Term Fertility Experiment. Sustainability, 2022, 14, 11939.	1.6	2
39	Soil particle size fractions affect arsenic (As) release and speciation: Insights into dissolved organic matter and functional genes. Journal of Hazardous Materials, 2023, 443, 130100.	6.5	10
40	Distinct response of arsenic speciation and bioavailability to different exogenous organic matter in paddy soil. Chemosphere, 2022, 309, 136653.	4.2	2
41	Characteristics and influencing factors of metal distribution in different wetlands of the Liaohe Delta, Northeastern China. Frontiers in Marine Science, 0, 9, .	1.2	1
42	Carcinogenic effects of heavy metals by inducing dysregulation of microRNAs: A review. Molecular Biology Reports, 2022, 49, 12227-12238.	1.0	12
43	Biochar/nano-zerovalent zinc-based materials for arsenic removal from contaminated water. International Journal of Phytoremediation, 2023, 25, 1155-1164.	1.7	8
44	Arsenic Contamination in Rice Agro-ecosystems: Mitigation Strategies for Safer Crop Production. Journal of Plant Growth Regulation, 0, , .	2.8	4
45	Effects of topdressing silicon fertilizer at key stages on uptake and accumulation of arsenic in rice. Environmental Science and Pollution Research, 2023, 30, 31309-31319.	2.7	3
46	Global Arsenic Hazard and Sustainable Development. Environmental Science and Engineering, 2023, , 1-12.	0.1	1
47	A Comparison of Technologies for Remediation of Arsenic-Bearing Water: The Significance of Constructed Wetlands. Environmental Science and Engineering, 2023, , 223-245.	0.1	3
48	Global Arsenic Contamination of Groundwater, Soil and Food Crops and Health Impacts. Environmental Science and Engineering, 2023, , 13-33.	0.1	2
49	Arsenic Contamination in Karst Regions. Environmental Science and Engineering, 2023, , 85-98.	0.1	0
50	Nanoparticulate Iron Oxide Minerals for Arsenic Removal from Contaminated Water. Environmental Science and Engineering, 2023, , 459-479.	0.1	0
52	Determination of bioavailable arsenic threshold and validation of modeled permissible total arsenic in paddy soil using machine learning. Journal of Environmental Quality, 2023, 52, 315-327.	1.0	9
53	A chrysotile-based Fe/Ti nanoreactor enables efficient arsenic capture for sustainable environmental remediation. Water Research, 2023, 231, 119613.	5.3	3
55	Nocardiopsis lucentensis and thiourea co-application mitigates arsenic stress through enhanced antioxidant metabolism and lignin accumulation in rice. Science of the Total Environment, 2023, 873, 162295.	3.9	0
56	Differential behaviour of four genotypes of Andrographis paniculata (Burm.f.) Nees toward combined toxicity of As, Cd, and Pb: An ionomics and metabolic interpretation. Journal of Hazardous Materials Advances, 2023, 10, 100274.	1.2	0
57	Detoxification and removal of arsenite by Pseudomonas sp. SMS11: Oxidation, biosorption and bioaccumulation. Journal of Environmental Management, 2023, 336, 117641.	3.8	0

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58	Remediation technologies for contaminated groundwater due to arsenic (As), mercury (Hg), and/or fluoride (F): A critical review and way forward to contribute to carbon neutrality. Separation and Purification Technology, 2023, 314, 123474.	3.9	31
59	Role of Biofuels in Building Circular Bioeconomy. , 2022, , 59-71.		2
60	The adsorption of arsenate and p-arsanilic acid onto ferrihydrite and subsequent desorption by sulfate and artificial seawater: Future implications of sea level rise. Environmental Pollution, 2023, 323, 121302.	3.7	6
62	Dark Side of Ammonium Nitrogen in Paddy Soil with Low Organic Matter: Stimulation of Microbial As(V) Reduction and As(III) Transfer from Soil to Rice Grains. Journal of Agricultural and Food Chemistry, 2023, 71, 3670-3680.	2.4	2
63	Assessing and Understanding Arsenic Contamination in Agricultural Soils and Lake Sediments from Papallacta Rural Parish, Northeastern Ecuador, via Ecotoxicology Factors, for Environmental Embasement. Sustainability, 2023, 15, 3951.	1.6	7
65	Arsenic and heavy metal contents in white rice samples from rainfed paddy fields in Yangon division, Myanmarâ€"Natural background levels?. PLoS ONE, 2023, 18, e0283420.	1.1	2
66	Sorptionâ€"Oxyanions. , 2023, , 327-335.		0
67	Meta-analyses of arsenic accumulation in Indica and Japonica rice grains. Environmental Science and Pollution Research, 2023, 30, 58827-58840.	2.7	3
68	Construction of algal-bacterial consortia using green microalgae Chlorella vulgaris and As(III)-oxidizing bacteria: As tolerance and metabolomic profiling. Journal of Environmental Sciences, 2024, 139, 258-266.	3.2	3
77	Rice Production Technologies in Reducing Methane Gas Emissions for Sustainable Environment. , 2023, , 11-27.		1
82	The Journey of Arsenic from Soil to Plant. Environmental Science and Engineering, 2023, , 3-14.	0.1	0
87	Accumulation and Toxicity of Arsenic in Rice and Its Practical Mitigation. , 2023, , 463-498.		0
99	Microbial Removal of Arsenic: An Update. Emerging Contaminants and Associated Treatment Technologies, 2024, , 203-219.	0.4	0
100	Arsenic Contamination of Soil and Water and Related Biohazards in Bangladesh. Emerging Contaminants and Associated Treatment Technologies, 2024, , 109-124.	0.4	0