

Mohammad Mahmudur Rahman

List of Publications by Citations

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161 papers	7,030 citations	45 h-index	81 g-index
172 ext. papers	8,353 ext. citations	7.1 avg, IF	6.13 L-index

#	Paper	IF	Citations
161	Nanoencapsulation, Nano-guard for Pesticides: A New Window for Safe Application. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1447-83	5.7	420
160	Arsenic groundwater contamination in Middle Ganga Plain, Bihar, India: a future danger?. <i>Environmental Health Perspectives</i> , 2003 , 111, 1194-201	8.4	399
159	Arsenic calamity in the Indian subcontinent What lessons have been learned?. <i>Talanta</i> , 2002 , 58, 3-22	6.2	361
158	Chronic arsenic toxicity in Bangladesh and West Bengal, India--a review and commentary. <i>Journal of Toxicology: Clinical Toxicology</i> , 2001 , 39, 683-700		293
157	Chronic exposure of arsenic via drinking water and its adverse health impacts on humans. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 189-200	4.7	276
156	Arsenic contamination in groundwater: a global perspective with emphasis on the Asian scenario. <i>Journal of Health, Population and Nutrition</i> , 2006 , 24, 142-63	2.5	249
155	Status of groundwater arsenic contamination in Bangladesh: a 14-year study report. <i>Water Research</i> , 2010 , 44, 5789-802	12.5	203
154	Status of groundwater arsenic contamination in the state of West Bengal, India: a 20-year study report. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 542-51	5.9	197
153	Arsenic contamination in groundwater in the Southeast Asia region. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 9-21	4.7	146
152	Heavy metals in Australian grown and imported rice and vegetables on sale in Australia: health hazard. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 100, 53-60	7	144
151	Effectiveness and reliability of arsenic field testing kits: are the million dollar screening projects effective or not?. <i>Environmental Science & Technology</i> , 2002 , 36, 5385-94	10.3	144
150	Consumption of arsenic and other elements from vegetables and drinking water from an arsenic-contaminated area of Bangladesh. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1056-63	12.8	132
149	High arsenic in rice is associated with elevated genotoxic effects in humans. <i>Scientific Reports</i> , 2013 , 3, 2195	4.9	130
148	Unraveling Health Risk and Speciation of Arsenic from Groundwater in Rural Areas of Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 12371-90	4.6	129
147	Arsenic and other elements in drinking water and dietary components from the middle Gangetic plain of Bihar, India: Health risk index. <i>Science of the Total Environment</i> , 2016 , 539, 125-134	10.2	118
146	Arsenic groundwater contamination and its health effects in Patna district (capital of Bihar) in the middle Ganga plain, India. <i>Chemosphere</i> , 2016 , 152, 520-9	8.4	108
145	A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. <i>Environmental Pollution</i> , 2018 , 242, 307-319	9.3	108

144	Groundwater Arsenic Contamination in the Ganga River Basin: A Future Health Danger. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	101
143	Neuropathy in arsenic toxicity from groundwater arsenic contamination in West Bengal, India. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003 , 38, 165-83	2.3	99
142	Arsenic levels in rice grain and assessment of daily dietary intake of arsenic from rice in arsenic-contaminated regions of Bangladesh--implications to groundwater irrigation. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 179-87	4.7	94
141	Arsenic groundwater contamination and sufferings of people in North 24-Parganas, one of the nine arsenic affected districts of West Bengal, India. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003 , 38, 25-59	2.3	90
140	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. <i>Chemosphere</i> , 2018 , 199, 737-746	8.4	88
139	Metals in perspective. <i>Journal of Environmental Monitoring</i> , 2004 , 6, 74N		88
138	Groundwater arsenic contamination in Bangladesh-21 Years of research. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015 , 31, 237-48	4.1	85
137	Murshidabad--one of the nine groundwater arsenic-affected districts of West Bengal, India. Part II: dermatological, neurological, and obstetric findings. <i>Clinical Toxicology</i> , 2005 , 43, 835-48	2.9	84
136	Concentrations of arsenic and other elements in groundwater of Bangladesh and West Bengal, India: potential cancer risk. <i>Chemosphere</i> , 2015 , 139, 54-64	8.4	82
135	Microbe and plant assisted-remediation of organic xenobiotics and its enhancement by genetically modified organisms and recombinant technology: A review. <i>Science of the Total Environment</i> , 2018 , 628-629, 1582-1599	10.2	77
134	Ineffectiveness and poor reliability of arsenic removal plants in West Bengal, India. <i>Environmental Science & Technology</i> , 2005 , 39, 4300-6	10.3	77
133	Fate of over 480 million inhabitants living in arsenic and fluoride endemic Indian districts: Magnitude, health, socio-economic effects and mitigation approaches. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 38, 33-45	4.1	77
132	Arsenic accumulation in rice: Consequences of rice genotypes and management practices to reduce human health risk. <i>Environment International</i> , 2016 , 96, 139-155	12.9	76
131	Pattern of excretion of arsenic compounds [arsenite, arsenate, MMA(V), DMA(V)] in urine of children compared to adults from an arsenic exposed area in Bangladesh. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003 , 38, 87-113	2.3	74
130	The magnitude of arsenic contamination in groundwater and its health effects to the inhabitants of the Jalangi--one of the 85 arsenic affected blocks in West Bengal, India. <i>Science of the Total Environment</i> , 2005 , 338, 189-200	10.2	73
129	Biocompatible functionalisation of nanoclays for improved environmental remediation. <i>Chemical Society Reviews</i> , 2019 , 48, 3740-3770	58.5	68
128	Groundwater arsenic contamination in Ganga-Meghna-Brahmaputra plain, its health effects and an approach for mitigation. <i>Environmental Earth Sciences</i> , 2013 , 70, 1993-2008	2.9	64
127	Groundwater arsenic contamination and its health effects in India. <i>Hydrogeology Journal</i> , 2017 , 25, 1165-1181	31.81	56

126	Arsenic speciation in Australian-grown and imported rice on sale in Australia: implications for human health risk. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6016-24	5.7	55
125	Arsenic contamination of groundwater and its induced health effects in Shahpur block, Bhojpur district, Bihar state, India: risk evaluation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 9492-504	5.1	54
124	Environmental arsenic contamination and its health effects in a historic gold mining area of the Mangalur greenstone belt of Northeastern Karnataka, India. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1048-55	12.8	51
123	Cadmium solubility and bioavailability in soils amended with acidic and neutral biochar. <i>Science of the Total Environment</i> , 2018 , 610-611, 1457-1466	10.2	50
122	Toxicity of arsenic species to three freshwater organisms and biotransformation of inorganic arsenic by freshwater phytoplankton (<i>Chlorella</i> sp. CE-35). <i>Ecotoxicology and Environmental Safety</i> , 2014 , 106, 126-35	7	49
121	Arsenic Exposure from Rice and Water Sources in the Noakhali District of Bangladesh. <i>Water Quality, Exposure, and Health</i> , 2011 , 3, 1-10		47
120	Assessment of DNA damage in peripheral blood lymphocytes of individuals susceptible to arsenic induced toxicity in West Bengal, India. <i>Toxicology Letters</i> , 2005 , 159, 100-12	4.4	47
119	Groundwater Arsenic Contamination, Its Health Effects and Approach for Mitigation in West Bengal, India and Bangladesh. <i>Water Quality, Exposure, and Health</i> , 2009 , 1, 5-21		46
118	Groundwater arsenic contamination and its health effects in the Ganga-Meghna-Brahmaputra plain. <i>Journal of Environmental Monitoring</i> , 2004 , 6, 74N-83N		46
117	Inorganic arsenic in rice and rice-based diets: Health risk assessment. <i>Food Control</i> , 2017 , 82, 196-202	6.2	45
116	Current and emerging methodologies for estimating carbon sequestration in agricultural soils: A review. <i>Science of the Total Environment</i> , 2019 , 665, 890-912	10.2	45
115	Water consumption patterns and factors contributing to water consumption in arsenic affected population of rural West Bengal, India. <i>Science of the Total Environment</i> , 2013 , 463-464, 1217-24	10.2	44
114	PET-microplastics as a vector for heavy metals in a simulated plant rhizosphere zone. <i>Science of the Total Environment</i> , 2020 , 744, 140984	10.2	43
113	Heavy metal impact on bacterial biomass based on DNA analyses and uptake by wild plants in the abandoned copper mine soils. <i>Bioresource Technology</i> , 2009 , 100, 3831-6	11	42
112	Arsenic Contamination in Groundwater of Bangladesh: Perspectives on Geochemical, Microbial and Anthropogenic Issues. <i>Water (Switzerland)</i> , 2011 , 3, 1050-1076	3	41
111	Concentrations of inorganic arsenic in groundwater, agricultural soils and subsurface sediments from the middle Gangetic plain of Bihar, India. <i>Science of the Total Environment</i> , 2016 , 573, 1103-1114	10.2	39
110	Status of groundwater arsenic contamination in all 17 blocks of Nadia district in the state of West Bengal, India: A 23-year study report. <i>Journal of Hydrology</i> , 2014 , 518, 363-372	6	36
109	Arsenic toxicity from homeopathic treatment. <i>Journal of Toxicology: Clinical Toxicology</i> , 2003 , 41, 963-7		34

108	Reviewing the world's edible mushroom species: A new evidence-based classification system. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 1982-2014	16.4	34
107	An eight-year study report on arsenic contamination in groundwater and health effects in Eruni village, Bangladesh and an approach for its mitigation. <i>Journal of Health, Population and Nutrition</i> , 2006 , 24, 129-41	2.5	34
106	Arsenic in groundwater of the Kolkata Municipal Corporation (KMC), India: Critical review and modes of mitigation. <i>Chemosphere</i> , 2017 , 180, 437-447	8.4	32
105	Geographical variation and age-related dietary exposure to arsenic in rice from Bangladesh. <i>Science of the Total Environment</i> , 2017 , 601-602, 122-131	10.2	32
104	Extraction of arsenic species in soils using microwave-assisted extraction detected by ion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 93-102	4.7	32
103	Murshidabad--one of the nine groundwater arsenic-affected districts of West Bengal, India. Part I: magnitude of contamination and population at risk. <i>Clinical Toxicology</i> , 2005 , 43, 823-34	2.9	32
102	Lead concentration in the blood of the general population living near a lead-zinc mine site, Nigeria: Exposure pathways. <i>Science of the Total Environment</i> , 2016 , 542, 908-14	10.2	31
101	Risk and Benefit of Different Cooking Methods on Essential Elements and Arsenic in Rice. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	31
100	Removal of arsenate from contaminated waters by novel zirconium and zirconium-iron modified biochar. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124488	12.8	31
99	Bioaccumulation and adverse effects of persistent organic pollutants (POPs) on ecosystems and human exposure: A review study on Bangladesh perspectives. <i>Environmental Technology and Innovation</i> , 2018 , 12, 115-131	7	30
98	Organoclays reduce arsenic bioavailability and bioaccessibility in contaminated soils. <i>Journal of Soils and Sediments</i> , 2012 , 12, 704-712	3.4	30
97	The separation of arsenic species in soils and plant tissues by anion-exchange chromatography with inductively coupled mass spectrometry using various mobile phases. <i>Microchemical Journal</i> , 2008 , 89, 20-28	4.8	30
96	Arsenic contamination of groundwater and its health impact on residents in a village in West Bengal, India. <i>Bulletin of the World Health Organization</i> , 2005 , 83, 49-57	8.2	30
95	Flow of arsenic between rice grain and water: Its interaction, accumulation and distribution in different fractions of cooked rice. <i>Science of the Total Environment</i> , 2020 , 731, 138937	10.2	29
94	Speciation of arsenic by ion chromatography inductively coupled plasma mass spectrometry using ammonium eluents. <i>Journal of Separation Science</i> , 2006 , 29, 2671-6	3.4	29
93	Developing robust arsenic awareness prediction models using machine learning algorithms. <i>Journal of Environmental Management</i> , 2018 , 211, 125-137	7.9	28
92	Arsenic in the groundwater of Majuli The largest river island of the Brahmaputra: Magnitude of occurrence and human exposure. <i>Journal of Hydrology</i> , 2014 , 518, 354-362	6	28
91	Uptake of lead by Na-exchanged and Al-pillared bentonite in the presence of organic acids with different functional groups. <i>Applied Clay Science</i> , 2016 , 119, 417-423	5.2	26

90	Variation in arsenic bioavailability in rice genotypes using swine model: An animal study. <i>Science of the Total Environment</i> , 2017 , 599-600, 324-331	10.2	25
89	Soil enzymes and microbial elemental stoichiometry as bio-indicators of soil quality in diverse cropping systems and nutrient management practices of Indian Vertisols. <i>Applied Soil Ecology</i> , 2020 , 145, 103304	5	24
88	Million Dollar Arsenic Removal Plants in West Bengal, India: Useful or Not?. <i>Water Quality Research Journal of Canada</i> , 2006 , 41, 216-225	1.7	23
87	Groundwater arsenic contamination in the Ganga-Padma-Meghna-Brahmaputra plain of India and Bangladesh. <i>Archives of Environmental Health</i> , 2003 , 58, 701-2		22
86	Geographical variation of cadmium in commercial rice brands in Bangladesh: Human health risk assessment. <i>Science of the Total Environment</i> , 2020 , 716, 137049	10.2	21
85	Impact of water and fertilizer management on arsenic bioaccumulation and speciation in rice plants grown under greenhouse conditions. <i>Chemosphere</i> , 2019 , 214, 606-613	8.4	20
84	Arsenic and Other Elemental Concentrations in Mushrooms from Bangladesh: Health Risks. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	18
83	Effect of irrigation and genotypes towards reduction in arsenic load in rice. <i>Science of the Total Environment</i> , 2017 , 609, 311-318	10.2	18
82	Bio-Waste Management in Subtropical Soils of India. <i>Advances in Agronomy</i> , 2018 , 87-148	7.7	17
81	Speciation of vanadium by anion-exchange chromatography with inductively coupled plasma mass spectrometry and confirmation of vanadium complex formation using electrospray mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 811	3.7	17
80	Wheat is an emerging exposure route for arsenic in Bihar, India. <i>Science of the Total Environment</i> , 2020 , 703, 134774	10.2	16
79	Synthesis of environmentally benign ultra-small copper nanoclusters-halloysite composites and their catalytic performance on contrasting azo dyes. <i>Applied Surface Science</i> , 2021 , 546, 149122	6.7	16
78	Arsenic exposure from food exceeds that from drinking water in endemic area of Bihar, India. <i>Science of the Total Environment</i> , 2021 , 754, 142082	10.2	16
77	Geochemical fractionation and mineralogy of metal(loid)s in abandoned mine soils: Insights into arsenic behaviour and implications to remediation. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123029	12.8	15
76	Hollow Porous Silica Nanosphere with Single Large Pore Opening for Pesticide Loading and Delivery. <i>ACS Applied Nano Materials</i> , 2020 , 3, 105-113	5.6	15
75	Arsenic geochemistry and mineralogy as a function of particle-size in naturally arsenic-enriched soils. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123931	12.8	15
74	Hydrogeo-morphological influences for arsenic release and fate in the central Gangetic Basin, India. <i>Environmental Technology and Innovation</i> , 2018 , 12, 243-260	7	15
73	Status of groundwater arsenic contamination and human suffering in a Gram Panchayet (cluster of villages) in Murshidabad, one of the nine arsenic affected districts in West Bengal, India. <i>Journal of Water and Health</i> , 2005 , 3, 283-96	2.2	14

72	Kinetic of the degradation of sulfanilic acid azochromotrop (SPADNS) by Fenton process coupled with ultrasonic irradiation or L-cysteine acceleration. <i>Environmental Technology and Innovation</i> , 2019 , 15, 100380	7	13
71	Pore-Water Carbonate and Phosphate As Predictors of Arsenate Toxicity in Soil. <i>Environmental Science & Technology</i> , 2016 , 50, 13062-13069	10.3	13
70	Enrichment, contamination and geo-accumulation factors for assessing arsenic contamination in sediment of a Tropical Open Lagoon, Southwest Nigeria. <i>Environmental Technology and Innovation</i> , 2017 , 8, 126-131	7	13
69	A meta-analysis to correlate lead bioavailability and bioaccessibility and predict lead bioavailability. <i>Environment International</i> , 2016 , 92-93, 139-45	12.9	13
68	Accumulation and partitioning of metals and metalloids in the halophytic saltmarsh grass, saltwater couch, <i>Sporobolus virginicus</i> . <i>Science of the Total Environment</i> , 2020 , 713, 136576	10.2	12
67	Physico-chemical properties and reactive oxygen species generation by respirable coal dust: Implication for human health risk assessment. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124185	12.8	12
66	Arsenic in Peruvian rice cultivated in the major rice growing region of Tumbes river basin. <i>Chemosphere</i> , 2020 , 241, 125070	8.4	11
65	Arsenic: Occurrence in Groundwater 2019 , 153-168		10
64	Long-lasting effect of mercury contamination on the soil microbiota and its co-selection of antibiotic resistance. <i>Environmental Pollution</i> , 2020 , 265, 115057	9.3	9
63	Cadmium Immobilization in the Rhizosphere and Plant Cellular Detoxification: Role of Plant-Growth-Promoting Rhizobacteria as a Sustainable Solution. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13497-13529	5.7	9
62	Global patterns of accumulation and partitioning of metals in halophytic saltmarsh taxa: A phylogenetic comparative approach. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125515	12.8	9
61	Thermophilic ligno-cellulolytic fungi: The future of efficient and rapid bio-waste management. <i>Journal of Environmental Management</i> , 2019 , 244, 144-153	7.9	8
60	Nanobiopesticides: Composition and preparation methods 2019 , 69-131		8
59	Toxicity of palm oil mill effluent on the early life stages of Nile tilapia (<i>Oreochromis niloticus</i> , Linnaeus 1758). <i>Environmental Science and Pollution Research</i> , 2020 , 27, 30592-30599	5.1	8
58	Does soil organic carbon quality or quantity govern relative temperature sensitivity in soil aggregates?. <i>Biogeochemistry</i> , 2020 , 148, 191-206	3.8	8
57	Core-Shell Interface-Oriented Synthesis of Bowl-Structured Hollow Silica Nanospheres Using Self-Assembled ABC Triblock Copolymeric Micelles. <i>Langmuir</i> , 2018 , 34, 13584-13596	4	8
56	Distribution, contamination status and source of trace elements in the soil around brick kilns. <i>Chemosphere</i> , 2021 , 263, 127882	8.4	8
55	Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 17056-17067	5.1	7

54	Modified clays alter diversity and respiration profile of microorganisms in long-term hydrocarbon and metal co-contaminated soil. <i>Microbial Biotechnology</i> , 2020 , 13, 522-534	6.3	7
53	Bioavailability and risk estimation of heavy metal(loid)s in chromated copper arsenate treated timber after remediation for utilisation as garden materials. <i>Chemosphere</i> , 2019 , 216, 757-765	8.4	7
52	Smectite-supported chain of iron nanoparticle beads for efficient clean-up of arsenate contaminated water. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124396	12.8	7
51	Dynamics of maturity and stability indices during decomposition of biodegradable city waste using rapo-compost technology. <i>Applied Soil Ecology</i> , 2020 , 155, 103670	5	6
50	Novel bio-filtration method for the removal of heavy metals from municipal solid waste. <i>Environmental Technology and Innovation</i> , 2020 , 17, 100619	7	6
49	Soil Organic Carbon Dynamics in a Chhattisgarh Vertisol after Use of a RiceWheat System for 16 Years. <i>Agronomy Journal</i> , 2017 , 109, 2556-2569	2.2	6
48	Lead and other elements-based pollution in soil, crops and water near a lead-acid battery recycling factory in Bangladesh.. <i>Chemosphere</i> , 2021 , 290, 133288	8.4	6
47	Phytoremediation of palm oil mill effluent (POME) using water spinach (<i>Ipomoea aquatica</i> Forsk). <i>Environmental Technology and Innovation</i> , 2021 , 21, 101260	7	5
46	Varietal variation and formation of iron plaques on cadmium accumulation in rice seedling. <i>Environmental Advances</i> , 2021 , 5, 100075	3.5	5
45	Biosynthesis of <i>Tithonia diversifolia</i> leaf mediated Zinc Oxide Nanoparticles loaded with flamboyant pods (<i>Delonix regia</i>) for the treatment of Methylene Blue Wastewater. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103363	5.9	5
44	Arsenic bioaccessibility and fractionation in abandoned mine soils from selected sites in New South Wales, Australia and human health risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 223, 112611	7	5
43	A Facile Synthesis of Hematite Nanorods from Rice Starch and Their Application to Pb(II) Ions Removal. <i>ChemistrySelect</i> , 2019 , 4, 3730-3736	1.8	4
42	Health risks from trace elements in muscles of some commonly available fish in Australia and India. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 21000-21012	5.1	4
41	Arsenic in Rice: Sources and Human Health Risk 2014 , 365-375		4
40	Groundwater arsenic exposure in India 2003 , 3-24		4
39	Risk of Arsenic Contamination in Groundwater: Response from Chakraborti et al.. <i>Environmental Health Perspectives</i> , 2004 , 112, a20-a21	8.4	4
38	Antimonate sequestration from aqueous solution using zirconium, iron and zirconium-iron modified biochars. <i>Scientific Reports</i> , 2021 , 11, 8113	4.9	4
37	Secondary treatment phase of tertiary wastewater treatment works significantly reduces estrogenic load. <i>Water Research</i> , 2021 , 200, 117257	12.5	4

36	Mechanistic insights of hexavalent chromium remediation by halloysite-supported copper nanoclusters. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126812	12.8	4
35	Concentrations of arsenic in water and fish in a tropical open lagoon, Southwest-Nigeria: Health risk assessment. <i>Environmental Technology and Innovation</i> , 2017 , 8, 164-171	7	3
34	Dealing with Covid-19 infections in Kolkata, India: A GIS based risk analysis and implications for future scenarios		3
33	A risk analysis of COVID-19 infections in Kolkata Metropolitan City: A GIS based study. <i>GeoHealth</i> , 2021 , 5, e2020GH000368	5	3
32	Bioaccessibility and speciation of arsenic in children's diets and health risk assessment of an endemic area in Bangladesh. <i>Journal of Hazardous Materials</i> , 2021 , 403, 124064	12.8	3
31	Response of Iron and Cadmium on Yield and Yield Components of Rice and Translocation in Grain: Health Risk Estimation. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	3
30	Accumulation and distribution of metal(loid)s in the halophytic saltmarsh shrub, Austral seablite, <i>Suaeda australis</i> in New South Wales, Australia. <i>Marine Pollution Bulletin</i> , 2021 , 169, 112475	6.7	3
29	Concentrations of toxic elements and health risk assessment in arum grown in arsenic-contaminated areas of Bangladesh. <i>Food Control</i> , 2021 , 129, 108240	6.2	3
28	Beryllium in contaminated soils: Implication of beryllium bioaccessibility by different exposure pathways. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126757	12.8	3
27	Groundwater Arsenic Contamination in Bengal Delta and Its Health Effects 2015 , 215-253		2
26	Arsenic fractionation in sediments and speciation in muscles of fish, <i>Chrysichthys nigrodigitatus</i> from a contaminated tropical Lagoon, Nigeria. <i>Chemosphere</i> , 2020 , 256, 127134	8.4	2
25	Translocation of Soil Arsenic towards Accumulation in Rice: Magnitude of Water Management to Minimize Health Risk. <i>Water (Switzerland)</i> , 2021 , 13, 2816	3	2
24	Transformation of Antimonate at the BiocharSolution Interface. <i>ACS ES&T Water</i> , 2021 , 1, 2029-2036		2
23	Hydrogeochemical and ecological risk assessments of trace elements in the coastal surface water of the southern Caspian Sea. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 452	3.1	2
22	In situ decomposition of crop residues using lignocellulolytic microbial consortia: a viable alternative to residue burning. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 32416	5.1	2
21	Elucidating of potentially toxic elements contamination in topsoils around a copper smelter: Spatial distribution, partitioning and risk estimation. <i>Environmental Geochemistry and Health</i> , 2021 , 1	4.7	2
20	Towards adverse outcome pathways for metals in saltmarsh ecosystems A review. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126252	12.8	2
19	Assessment of hypertension association with arsenic exposure from food and drinking water in Bihar, India. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 223, 112572	7	2

18	Soil washing of arsenic from mixed contaminated abandoned mine soils and fate of arsenic after washing.. <i>Chemosphere</i> , 2022 , 134053	8.4	2
17	Growth, Nutrient Accumulation, and Drought Tolerance in Crop Plants with Silicon Application: A Review. <i>Sustainability</i> , 2022 , 14, 4525	3.6	2
16	Distribution and ecological risk assessment of trace elements in the paddy soil-rice ecosystem of Punjab, Pakistan. <i>Environmental Pollution</i> , 2022 , 307, 119492	9.3	2
15	Influences of soil pH, iron application and rice variety on cadmium distribution in rice plant tissues.. <i>Science of the Total Environment</i> , 2021 , 810, 152296	10.2	1
14	Exposure to Lead Nitrate Alters Growth and Haematological Parameters of Milkfish (Chanos chanos). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 860-867	2.7	1
13	Mineralization of Farm Manures and Slurries for Successive Release of Carbon and Nitrogen in Incubated Soils Varying in Moisture Status under Controlled Laboratory Conditions. <i>Agriculture (Switzerland)</i> , 2021 , 11, 846	3	1
12	Capability of Organically Modified Montmorillonite Nanoclay as a Carrier for Imidacloprid Delivery. <i>ACS Agricultural Science and Technology</i> , 2022 , 2, 57-68		1
11	Adsorption-Desorption Behavior of Arsenate Using Single and Binary Iron-Modified Biochars: Thermodynamics and Redox Transformation.. <i>ACS Omega</i> , 2022 , 7, 101-117	3.9	0
10	The accumulation and distribution of arsenic species and selected metals in the saltmarsh halophyte, spiny rush (<i>Juncus acutus</i>).. <i>Marine Pollution Bulletin</i> , 2022 , 175, 113373	6.7	0
9	Kinetics, Isotherms and AdsorptionDesorption Behavior of Phosphorus from Aqueous Solution Using ZirconiumIron and Iron Modified Biosolid Biochars. <i>Water (Switzerland)</i> , 2021 , 13, 3320	3	0
8	Potential Exposure to Arsenic and Other Elements from Rice in Bangladesh: Health Risk Index 2020 , 333-340		0
7	Nitrogen Release in Soils Amended with Different Organic and Inorganic Fertilizers under Contrasting Moisture Regimes: A Laboratory Incubation Study. <i>Agronomy</i> , 2021 , 11, 2163	3.6	0
6	Health Risk Assessment of Arsenic, Manganese, and Iron from Drinking Water for High School Children. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	0
5	Organic farming: A prospect for food, environment and livelihood security in Indian agriculture. <i>Advances in Agronomy</i> , 2021 , 101-153	7.7	0
4	Efficiency of Arsenic and Iron Removal Plants (AIRPs) for Groundwater Treatment in Rural Areas of Southwest Bangladesh. <i>Water (Switzerland)</i> , 2021 , 13, 354	3	0
3	Influence of Iron Plaque on Accumulation and Translocation of Cadmium by Rice Seedlings. <i>Sustainability</i> , 2021 , 13, 10307	3.6	0
2	Ecotoxicological Effects of an Arsenic Remediation Method on Three Freshwater Organisms <i>Lemna disperma</i> , <i>Chlorella</i> sp. CE-35 and <i>Ceriodaphnia</i> cf. <i>dubia</i> . <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	
1	Sampling and Analysis of Arsenic in Groundwater in West Bengal, India, and Bangladesh 2009 , 95-130		

