

# Mostafizur Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,913  
citations

147726

31  
h-index

133188

59  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4823  
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic review on silver nanoparticles-induced cytotoxicity: Physicochemical properties and perspectives. <i>Journal of Advanced Research</i> , 2018, 9, 1-16.	4.4	816
2	COVID-19 pandemic, socioeconomic crisis and human stress in resource-limited settings: A case from Bangladesh. <i>Heliyon</i> , 2020, 6, e04063.	1.4	194
3	Psychosocial and Socio-Economic Crisis in Bangladesh Due to COVID-19 Pandemic: A Perception-Based Assessment. <i>Frontiers in Public Health</i> , 2020, 8, 341.	1.3	189
4	Remediation of water pollution with native cyclodextrins and modified cyclodextrins: A comparative overview and perspectives. <i>Chemical Engineering Journal</i> , 2019, 355, 920-941.	6.6	169
5	Strategic assessment of COVID-19 pandemic in Bangladesh: comparative lockdown scenario analysis, public perception, and management for sustainability. <i>Environment, Development and Sustainability</i> , 2021, 23, 6148-6191.	2.7	152
6	Selenium and zinc protections against metal-(loids)-induced toxicity and disease manifestations: A review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 146-163.	2.9	114
7	Biomedical waste amid COVID-19: perspectives from Bangladesh. <i>The Lancet Global Health</i> , 2020, 8, e1262.	2.9	104
8	Uranium in drinking water: a public health threat. <i>Archives of Toxicology</i> , 2020, 94, 1551-1560.	1.9	102
9	Spatio-Temporal Assessment of Groundwater Quality and Human Health Risk: A Case Study in Gopalganj, Bangladesh. <i>Exposure and Health</i> , 2018, 10, 167-188.	2.8	97
10	Spatiotemporal distribution of fluoride in drinking water and associated probabilistic human health risk appraisal in the coastal region, Bangladesh. <i>Science of the Total Environment</i> , 2020, 724, 138316.	3.9	93
11	How air quality and COVID-19 transmission change under different lockdown scenarios? A case from Dhaka city, Bangladesh. <i>Science of the Total Environment</i> , 2021, 762, 143161.	3.9	83
12	Simultaneous comparison of modified-integrated water quality and entropy weighted indices: Implication for safe drinking water in the coastal region of Bangladesh. <i>Ecological Indicators</i> , 2020, 113, 106229.	2.6	78
13	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. <i>Environmental Research</i> , 2018, 166, 234-250.	3.7	77
14	Impacts of Salinity Intrusion in Community Health: A Review of Experiences on Drinking Water Sodium from Coastal Areas of Bangladesh. <i>Healthcare (Switzerland)</i> , 2019, 7, 50.	1.0	76
15	Investigation of Groundwater Quality and Its Suitability for Drinking and Agricultural Use in the South Central Part of the Coastal Region in Bangladesh. <i>Exposure and Health</i> , 2017, 9, 27-41.	2.8	69
16	Ameliorative effects of selenium on arsenic-induced cytotoxicity in PC12 cells via modulating autophagy/apoptosis. <i>Chemosphere</i> , 2018, 196, 453-466.	4.2	60
17	Investigation of heavy metal contents in Cow milk samples from area of Dhaka, Bangladesh. <i>International Journal of Food Contamination</i> , 2016, 3, .	2.2	58
18	Microplastics contamination in the soil from Urban Landfill site, Dhaka, Bangladesh. <i>Heliyon</i> , 2020, 6, e05572.	1.4	57

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19	A study of groundwater irrigation water quality in south-central Bangladesh: a geo-statistical model approach using GIS and multivariate statistics. <i>Acta Geochimica</i> , 2018, 37, 193-214.	0.7	50
20	Inhibitory effects of selenium on cadmium-induced cytotoxicity in PC12 cells via regulating oxidative stress and apoptosis. <i>Food and Chemical Toxicology</i> , 2018, 114, 180-189.	1.8	47
21	COVID-19 pandemic, dengue epidemic, and climate change vulnerability in Bangladesh: Scenario assessment for strategic management and policy implications. <i>Environmental Research</i> , 2021, 192, 110303.	3.7	47
22	Cytotoxic effects of cadmium and zinc co-exposure in PC12 cells and the underlying mechanism. <i>Chemico-Biological Interactions</i> , 2017, 269, 41-49.	1.7	46
23	COVID-19 Pandemic: Rethinking Strategies for Resilient Urban Design, Perceptions, and Planning. <i>Frontiers in Sustainable Cities</i> , 2021, 3, .	1.2	46
24	Are there plastic particles in my sugar? A pioneering study on the characterization of microplastics in commercial sugars and risk assessment. <i>Science of the Total Environment</i> , 2022, 837, 155849.	3.9	46
25	Spatio-temporal assessment and trend analysis of surface water salinity in the coastal region of Bangladesh. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14273-14290.	2.7	45
26	Assessment of salinity hazard in existing water resources for irrigation and potentiality of conjunctive uses: a case report from Gopalganj District, Bangladesh. <i>Sustainable Water Resources Management</i> , 2016, 2, 369-378.	1.0	43
27	Curcumin alleviates arsenic-induced toxicity in PC12 cells via modulating autophagy/apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110756.	2.9	43
28	Drinking appraisal of coastal groundwater in Bangladesh: An approach of multi-hazards towards water security and health safety. <i>Chemosphere</i> , 2020, 255, 126933.	4.2	41
29	Temporal assessment of heavy metal concentration and surface water quality representing the public health evaluation from the Meghna River estuary, Bangladesh. <i>Applied Water Science</i> , 2021, 11, 1.	2.8	39
30	The Role of Vitamins in Autism Spectrum Disorder: What Do We Know?. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 373-387.	1.1	37
31	Toxic metal pollution and ecological risk assessment in water and sediment at ship breaking sites in the Bay of Bengal Coast, Bangladesh. <i>Marine Pollution Bulletin</i> , 2022, 175, 113274.	2.3	37
32	Is there tea complemented with the appealing flavor of microplastics? A pioneering study on plastic pollution in commercially available tea bags in Bangladesh. <i>Science of the Total Environment</i> , 2022, 837, 155833.	3.9	34
33	Insights into the Potential Role of Mercury in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 511-533.	1.1	31
34	Quantifying Source Apportionment, Co-occurrence, and Ecotoxicological Risk of Metals from Upstream, Lower Midstream, and Downstream River Segments, Bangladesh. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2041-2054.	2.2	31
35	Are meteorological factors enhancing COVID-19 transmission in Bangladesh? Novel findings from a compound Poisson generalized linear modeling approach. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11245-11258.	2.7	31
36	Brassica rapa var. japonica Leaf Extract Mediated Green Synthesis of Crystalline Silver Nanoparticles and Evaluation of Their Stability, Cytotoxicity and Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1483-1493.	1.9	29

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37	Insights on alpha lipoic and dihydrolipoic acids as promising scavengers of oxidative stress and possible chelators in mercury toxicology. <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 111-119.	1.5	29
38	Effects of Multi-Dike Protection Systems on Surface Water Quality in the Vietnamese Mekong Delta. <i>Water (Switzerland)</i> , 2019, 11, 1010.	1.2	28
39	Depleted uranium and Gulf War Illness: Updates and comments on possible mechanisms behind the syndrome. <i>Environmental Research</i> , 2020, 181, 108927.	3.7	28
40	Metals uptake and translocation in salt marsh macrophytes, <i>Porteresia</i> sp. from Bangladesh coastal area. <i>Science of the Total Environment</i> , 2021, 764, 144637.	3.9	27
41	Toxicity assessment of polyethylene microplastics in combination with a mix of emerging pollutants on <i>Physalaemus cuvieri</i> tadpoles. <i>Journal of Environmental Sciences</i> , 2023, 127, 465-482.	3.2	25
42	Microplastics pollution: A comprehensive review on the sources, fates, effects, and potential remediation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100530.	1.7	24
43	Exploring the triggering factors for mental stress of university students amid COVID-19 in Bangladesh: A perception-based study. <i>Children and Youth Services Review</i> , 2021, 120, 105789.	1.0	22
44	Investigating the protective actions of D-pinitol against arsenic-induced toxicity in PC12 cells and the underlying mechanism. <i>Environmental Toxicology and Pharmacology</i> , 2020, 74, 103302.	2.0	21
45	Assessment of the Status of Groundwater Arsenic at Singair Upazila, Manikganj Bangladesh; Exploring the Correlation with Other Metals and Ions. <i>Exposure and Health</i> , 2016, 8, 217-225.	2.8	20
46	Removal of Pollutants from Water by Using Single-Walled Carbon Nanotubes (SWCNTs) and Multi-walled Carbon Nanotubes (MWCNTs). <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 261-269.	1.7	19
47	Sustainable pesticide governance in Bangladesh: socio-economic and legal status interlinking environment, occupational health and food safety. <i>Environment Systems and Decisions</i> , 2017, 37, 243-260.	1.9	18
48	Facile synthesis, characterization, and adsorption properties of Cd (II) from aqueous solution using $\beta$ -cyclodextrin polymer impregnated in functionalized chitosan beads as a novel adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3395-3404.	3.3	18
49	Chromium (VI) removal efficacy from aqueous solution by modified tea wastes-polyvinyl alcohol (TW-PVA) composite adsorbent. , 0, 174, 311-323.		17
50	Metal pollution in water and sediment of the Buriganga River, Bangladesh: an ecological risk perspective. , 0, 193, 284-301.		17
51	Green synthesis of silver nanoparticles using <i>Pomoea aquatica</i> leaf extract and its cytotoxicity and antibacterial activity assay. <i>Green Chemistry Letters and Reviews</i> , 2020, 13, 303-315.	2.1	16
52	Selenium modulates inorganic mercury induced cytotoxicity and intrinsic apoptosis in PC12 cells. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111262.	2.9	16
53	Assessment of microplastics contamination on agricultural farmlands in central Bangladesh. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 5, 100195.	2.9	16
54	Impact of industrial effluent on growth and yield of rice ( <i>Oryza sativa</i> L.) in silty clay loam soil. <i>Journal of Environmental Sciences</i> , 2015, 30, 231-240.	3.2	15

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55	Impact of textile sludge on the growth of red amaranth ( <i>Amaranthus gangeticus</i> ). <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2016, 5, 163-172.	2.0	15
56	Application of short and rapid strategic environmental assessment (SEA) for biomedical waste management in Bangladesh. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 5, 100177.	2.9	15
57	Assessing the Impact of the Farakka Barrage on Hydrological Alteration in the Padma River with Future Insight. <i>Sustainability</i> , 2022, 14, 5233.	1.6	14
58	Adsorption mechanism of Cu(II) in water environment using chitosan-nano zero valent iron-activated carbon composite beads. , 0, 145, 202-210.		13
59	Present status and historical changes of urban green space in Dhaka city, Bangladesh: A remote sensing driven approach. <i>Environmental Challenges</i> , 2022, 6, 100425.	2.0	13
60	Myricetin enhances on apoptosis induced by serum deprivation in PC12 cells mediated by mitochondrial signaling pathway. <i>Environmental Toxicology and Pharmacology</i> , 2018, 57, 175-180.	2.0	12
61	Effects of NaCl-Salinity on Tomato ( <i>Lycopersicon esculentum</i> Mill.) Plants in a Pot Experiment. <i>Open Agriculture</i> , 2018, 3, 578-585.	0.7	12
62	Amelioration of Metal-Induced Cellular Stress by $\alpha$ -Lipoic Acid and Dihydrolipoic Acid through Antioxidative Effects in PC12 Cells and Caco-2 Cells. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2126.	1.2	12
63	Microbiological safety of street-vended foods in Bangladesh. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2018, 13, 257-269.	0.5	11
64	Regulatory effects of dihydrolipoic acid against inorganic mercury-mediated cytotoxicity and intrinsic apoptosis in PC12 cells. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110238.	2.9	11
65	Current challenges and future perspectives of solar-PV cell waste in Bangladesh. <i>Heliyon</i> , 2022, 8, e08970.	1.4	11
66	Investigation of Chromium Removal Efficacy from Tannery Effluent by Synthesized Chitosan from Crab Shell. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1569-1577.	1.7	10
67	Emerging trends of water quality monitoring and applications of multivariate tools. , 2021, , 271-283.		9
68	Health risk assessment of textile effluent reuses as irrigation water in leafy vegetable <i>Basella alba</i> . <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2016, 5, 113-123.	2.0	7
69	Monitoring of heavy metal pollution and GIS derived land use changes in the major economic zone of Bangladesh. <i>Sustainable Water Resources Management</i> , 2018, 4, 655-666.	1.0	6
70	Specialized Diet Therapies: Exploration for Improving Behavior in Autism Spectrum Disorder (ASD). <i>Current Medicinal Chemistry</i> , 2020, 27, 6771-6786.	1.2	6
71	Characterization and photodegradation pathway of the leachate of Matuail sanitary landfill site, Dhaka South City Corporation, Bangladesh. <i>Heliyon</i> , 2021, 7, e07924.	1.4	5
72	Status of metals in serum and urine samples of chronic kidney disease patients in a rural area of Bangladesh: An observational study. <i>Heliyon</i> , 2021, 7, e08382.	1.4	5

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73	Stability Enhancement of Silver Nanoparticles Through Surface Encapsulation via a Facile Green Synthesis Approach and Toxicity Reduction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1956-1965.	1.9	4
74	Green synthesis of silver nanoparticles using <i>Hibiscus sabdariffa</i> leaf extract and its cytotoxicity assay. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-11.	0.9	4
75	Protective effects of ajwain ( <i>Trachyspermum ammi</i> L.) extract against cadmium-induced cytotoxicity and apoptosis in PC12 cells. <i>Journal of Herbal Medicine</i> , 2021, 26, 100423.	1.0	3
76	Assessment of Potentially Toxic Elements in the Urban Soil and Plants of Kirkuk City in Iraq. <i>Sustainability</i> , 2022, 14, 5655.	1.6	3
77	Vulnerability assessment of water resources using GIS, remote sensing and SWAT model – a case study: the upper part of Dong Nai river basin, Vietnam. <i>International Journal of River Basin Management</i> , 0, , 1-16.	1.5	2
78	Lead Polluted Hotspot: Environmental Implication of Unplanned Industrial Development. <i>Present Environment and Sustainable Development</i> , 2016, 10, 51-60.	0.1	1
79	Desalination Technology for Water Security. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 147-176.	0.3	1
80	Development of Low-cost indigenous filtration system for urban sullage: assessment of reusability. <i>Future Cities and Environment</i> , 2017, 2, 5.	0.6	0
81	Unconventional Adsorbents for Remediation of Metal Pollution in Waters. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 123-146.	0.3	0