

Abu Reza Md Towfiqul Islam

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163 papers	2,721 citations	27 h-index	45 g-index
190 ext. papers	4,264 ext. citations	4.2 avg, IF	6.48 L-index

#	Paper	IF	Citations
163	Characterization of groundwater quality using water evaluation indices, multivariate statistics and geostatistics in central BangladeshPeer review under responsibility of National Water Research Center. View all notes. <i>Water Science</i> , 2016 , 30, 19-40	1.9	161
162	COVID-19 pandemic, socioeconomic crisis and human stress in resource-limited settings: A case from Bangladesh. <i>Heliyon</i> , 2020 , 6, e04063	3.6	136
161	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	6	110
160	Characterizing groundwater quality ranks for drinking purposes in Sylhet district, Bangladesh, using entropy method, spatial autocorrelation index, and geostatistics. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 26350-26374	5.1	95
159	Assessment of groundwater quality of Lakshimpur district of Bangladesh using water quality indices, geostatistical methods, and multivariate analysis. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	95
158	Strategic assessment of COVID-19 pandemic in Bangladesh: comparative lockdown scenario analysis, public perception, and management for sustainability. <i>Environment, Development and Sustainability</i> , 2020 , 23, 1-44	4.5	88
157	Flood susceptibility modelling using advanced ensemble machine learning models. <i>Geoscience Frontiers</i> , 2021 , 12, 101075	6	84
156	Analyzing trend and forecasting of rainfall changes in India using non-parametrical and machine learning approaches. <i>Scientific Reports</i> , 2020 , 10, 10342	4.9	82
155	Are precipitation concentration and intensity changing in Bangladesh overtimes? Analysis of the possible causes of changes in precipitation systems. <i>Science of the Total Environment</i> , 2019 , 690, 370-387	10.2	78
154	Co-distribution, possible origins, status and potential health risk of trace elements in surface water sources from six major river basins, Bangladesh. <i>Chemosphere</i> , 2020 , 249, 126180	8.4	50
153	Simultaneous appraisals of pathway and probable health risk associated with trace metals contamination in groundwater from Barapukuria coal basin, Bangladesh. <i>Chemosphere</i> , 2020 , 242, 125183	8.4	50
152	Drought Hazard Evaluation in Boro Paddy Cultivated Areas of Western Bangladesh at Current and Future Climate Change Conditions. <i>Advances in Meteorology</i> , 2017 , 2017, 1-12	1.7	49
151	Assessment of trace elements of groundwater and their spatial distribution in Rangpur district, Bangladesh. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	44
150	Potential of RT, bagging and RS ensemble learning algorithms for reference evapotranspiration prediction using climatic data-limited humid region in Bangladesh. <i>Journal of Hydrology</i> , 2020 , 590, 125241	6	44
149	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	10.2	44
148	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	5.8	43
147	Assessing groundwater quality and its sustainability in Joypurhat district of Bangladesh using GIS and multivariate statistical approaches. <i>Environment, Development and Sustainability</i> , 2018 , 20, 1935-1959	4.5	43

146	Assessing recent impacts of climate change on design water requirement of Boro rice season in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 97-113	3	42
145	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	10.2	40
144	Appraising spatial variations of As, Fe, Mn and NO contaminations associated health risks of drinking water from Surma basin, Bangladesh. <i>Chemosphere</i> , 2019 , 218, 726-740	8.4	36
143	Dynamic analysis of pan evaporation variations in the Huai River Basin, a climate transition zone in eastern China. <i>Science of the Total Environment</i> , 2018 , 625, 496-509	10.2	34
142	Modeling fragmentation probability of land-use and land-cover using the bagging, random forest and random subspace in the Teesta River Basin, Bangladesh. <i>Ecological Indicators</i> , 2021 , 126, 107612	5.8	33
141	Spatiotemporal trends in the frequency of daily rainfall in Bangladesh during 1975-2017. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 869-887	3	31
140	Predicting spatiotemporal changes of channel morphology in the reach of Teesta River, Bangladesh using GIS and ARIMA modeling. <i>Quaternary International</i> , 2019 , 513, 80-94	2	30
139	A comprehensive statistical assessment of drought indices to monitor drought status in Bangladesh. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	28
138	Effect of meteorological factors on COVID-19 cases in Bangladesh. <i>Environment, Development and Sustainability</i> , 2020 , 23, 1-24	4.5	28
137	Prediction of Combined Terrestrial Evapotranspiration Index (CTEI) over Large River Basin Based on Machine Learning Approaches. <i>Water (Switzerland)</i> , 2021 , 13, 547	3	28
136	The optimal alternative for quantifying reference evapotranspiration in climatic sub-regions of Bangladesh. <i>Scientific Reports</i> , 2020 , 10, 20171	4.9	27
135	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 793-808	3	27
134	Distribution of naturally occurring radionuclides in soil around a coal-based power plant and their potential radiological risk assessment. <i>Radiochimica Acta</i> , 2019 , 107, 243-259	1.9	26
133	Distribution, sources and ecological risk of trace elements and polycyclic aromatic hydrocarbons in sediments from a polluted urban river in central Bangladesh. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020 , 14, 100318	3.3	25
132	Assessment of arsenic health risk and source apportionment of groundwater pollutants using multivariate statistical techniques in Chapai-Nawabganj district, Bangladesh. <i>Journal of the Geological Society of India</i> , 2017 , 90, 239-248	1.3	25
131	Evaluation of Water Quality for Sustainable Agriculture in Bangladesh. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	25
130	Spatiotemporal distribution and prediction of groundwater level linked to ENSO teleconnection indices in the northwestern region of Bangladesh. <i>Environment, Development and Sustainability</i> , 2020 , 22, 4509-4535	4.5	25
129	Appraising drought hazard during Boro rice growing period in western Bangladesh. <i>International Journal of Biometeorology</i> , 2020 , 64, 1687-1697	3.7	24

128	Effects of warming and reduced precipitation on soil respiration and N ₂ O fluxes from winter wheat-soybean cropping systems. <i>Geoderma</i> , 2019 , 337, 956-964	6.7	24
127	Changes in Reference Evapotranspiration and Its Contributing Factors in Jiangsu, a Major Economic and Agricultural Province of Eastern China. <i>Water (Switzerland)</i> , 2017 , 9, 486	3	23
126	Spatiotemporal nexus between vegetation change and extreme climatic indices and their possible causes of change. <i>Journal of Environmental Management</i> , 2021 , 289, 112505	7.9	23
125	Sources of trace elements identification in drinking water of Rangpur district, Bangladesh and their potential health risk following multivariate techniques and Monte-Carlo simulation. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100275	6	22
124	Drinking appraisal of coastal groundwater in Bangladesh: An approach of multi-hazards towards water security and health safety. <i>Chemosphere</i> , 2020 , 255, 126933	8.4	22
123	Hydrogeochemical evolution of shallow and deeper aquifers in central Bangladesh: arsenic mobilization process and health risk implications from the potable use of groundwater. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	22
122	Appraising trends and forecasting of hydroclimatic variables in the north and northeast regions of Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 33-50	3	22
121	Assessing irrigation water quality in Faridpur district of Bangladesh using several indices and statistical approaches. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	21
120	Trends in cooling and heating degree-days overtimes in Bangladesh? An investigation of the possible causes of changes. <i>Natural Hazards</i> , 2020 , 101, 879-909	3	21
119	Insight into farmers' agricultural adaptive strategy to climate change in northern Bangladesh. <i>Environment, Development and Sustainability</i> , 2021 , 23, 2439-2464	4.5	21
118	Preliminary assessment of heavy metals in surface water and sediment in Nakuvadra-Rakiraki River, Fiji using indexical and chemometric approaches. <i>Journal of Environmental Management</i> , 2021 , 298, 113517	7.9	20
117	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	7.9	19
116	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	3.8	18
115	Water resources pollution associated with risks of heavy metals from Vatukoula Goldmine region, Fiji. <i>Journal of Environmental Management</i> , 2021 , 293, 112868	7.9	18
114	Quantifying Climatic Impact on Reference Evapotranspiration Trends in the Huai River Basin of Eastern China. <i>Water (Switzerland)</i> , 2018 , 10, 144	3	17
113	Mechanism of elevated radioactivity in Teesta river basin from Bangladesh: Radiochemical characterization, provenance and associated hazards. <i>Chemosphere</i> , 2021 , 264, 128459	8.4	17
112	Spatiotemporal analysis the precipitation extremes affecting rice yield in Jiangsu province, southeast China. <i>International Journal of Biometeorology</i> , 2017 , 61, 1863-1872	3.7	15
111	Predicting design water requirement of winter paddy under climate change condition using frequency analysis in Bangladesh. <i>Agricultural Water Management</i> , 2018 , 195, 58-70	5.9	15

110	Applications of various data-driven models for the prediction of groundwater quality index in the Akot basin, Maharashtra, India. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	15
109	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	5.1	15
108	Rain-Fed Rice Yield Fluctuation to Climatic Anomalies in Bangladesh. <i>International Journal of Plant Production</i> , 2021 , 15, 183-201	2.4	15
107	Comparison of CMIP6 and CMIP5 model performance in simulating historical precipitation and temperature in Bangladesh: a preliminary study. <i>Theoretical and Applied Climatology</i> , 2021 , 145, 1385-1406	3.6	15
106	Attribution analysis of actual and potential evapotranspiration changes based on the complementary relationship theory in the Huai River basin of eastern China. <i>International Journal of Climatology</i> , 2019 , 39, 4072-4090	3.5	14
105	Assessment of Health Hazard of Metal Concentration in Groundwater of Bangladesh. <i>American Chemical Science Journal</i> , 2015 , 5, 41-49		14
104	Salinity-induced fluorescent dissolved organic matter influence co-contamination, quality and risk to human health of tube well water, southeast coastal Bangladesh. <i>Chemosphere</i> , 2021 , 275, 130053	8.4	14
103	Reference Evapotranspiration Variation Analysis and Its Approaches Evaluation of 13 Empirical Models in Sub-Humid and Humid Regions: A Case Study of the Huai River Basin, Eastern China. <i>Water (Switzerland)</i> , 2018 , 10, 493	3	13
102	Health Risk and Water Quality Assessment of Surface Water in an Urban River of Bangladesh. <i>Sustainability</i> , 2021 , 13, 6832	3.6	13
101	Performance of machine learning methods in predicting water quality index based on irregular data set: application on Illizi region (Algerian southeast). <i>Applied Water Science</i> , 2021 , 11, 1	5	12
100	Climate-induced rice yield anomalies linked to large-scale atmospheric circulation in Bangladesh using multi-statistical modeling. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 1077-1099	3	12
99	Evaluating Structural, Chlorophyll-Based and Photochemical Indices to Detect Summer Maize Responses to Continuous Water Stress. <i>Water (Switzerland)</i> , 2018 , 10, 500	3	11
98	Assessment of Fluvial Channel Dynamics of Padma River in Northwestern Bangladesh. <i>Universal Journal of Geoscience</i> , 2016 , 4, 41-49	0	11
97	Applications of Gaussian process regression for predicting blue water footprint: Case study in Ad Daqahliyah, Egypt. <i>Agricultural Water Management</i> , 2021 , 255, 107052	5.9	11
96	The effect of Indian Ocean on Ethiopian seasonal rainfall. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 1753-1761	2	10
95	Characterization of southwest monsoon onset over Myanmar. <i>Meteorology and Atmospheric Physics</i> , 2015 , 127, 587-603	2	10
94	Assessment of drinking water related to arsenic and salinity hazard in Patuakhali district, Bangladesh. <i>International Journal of Advanced Geosciences</i> , 2014 , 2,	0.2	10
93	Employing social vulnerability index to assess household social vulnerability of natural hazards: an evidence from southwest coastal Bangladesh. <i>Environment, Development and Sustainability</i> , 2021 , 23, 10223-10245	4.5	10

92	Characteristics of surface evapotranspiration and its response to climate and land use and land cover in the Huai River Basin of eastern China. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 683-699	5.1	10
91	Nexus between vulnerability and adaptive capacity of drought-prone rural households in northern Bangladesh. <i>Natural Hazards</i> , 2021 , 106, 509-527	3	10
90	Modelling the reference crop evapotranspiration in the Beas-Sutlej basin (India): an artificial neural network approach based on different combinations of meteorological data.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 141	3.1	9
89	Spatiotemporal variability of rainfall linked to ground water level under changing climate in northwestern region, Bangladesh35-56		8
88	Level of pesticides contamination in the major river systems: A review on South Asian countries perspective. <i>Heliyon</i> , 2021 , 7, e07270	3.6	8
87	Spatiotemporal rice yield variations and potential agro-adaptation strategies in Bangladesh: A biophysical modeling approach. <i>Sustainable Production and Consumption</i> , 2020 , 24, 121-138	8.2	7
86	Improving Drought Modeling Using Hybrid Random Vector Functional Link Methods. <i>Water (Switzerland)</i> , 2021 , 13, 3379	3	7
85	Spatiotemporal variations of thunderstorm frequency and its prediction over Bangladesh. <i>Meteorology and Atmospheric Physics</i> , 2020 , 132, 793-808	2	7
84	Effects of warming and elevated O concentrations on NO emission and soil nitrification and denitrification rates in a wheat-soybean rotation cropland. <i>Environmental Pollution</i> , 2020 , 257, 113556	9.3	7
83	Trends and Variabilities of Thunderstorm Days over Bangladesh on the ENSO and IOD Timescales. <i>Atmosphere</i> , 2020 , 11, 1176	2.7	7
82	Sustainable groundwater quality in southeast coastal Bangladesh: co-dispersions, sources, and probabilistic health risk assessment. <i>Environment, Development and Sustainability</i> ,1	4.5	7
81	Hydrological distribution of physicochemical parameters and heavy metals in surface water and their ecotoxicological implications in the Bay of Bengal coast of Bangladesh. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	7
80	Effect of Warming and Elevated O Concentration on CO Emissions in a Wheat-Soybean Rotation Cropland. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
79	Attribution Analysis of Long-Term Trends of Aridity Index in the Huai River Basin, Eastern China. <i>Sustainability</i> , 2020 , 12, 1743	3.6	6
78	Climate Change Impact: Food Production and Local Perception. <i>American Journal of Environmental Protection</i> , 2014 , 3, 45	1.5	6
77	Spatiotemporal distribution of drought and its possible associations with ENSO indices in Bangladesh. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	6
76	Coupling geographic information system integrated fuzzy logic-analytical hierarchy process with global and machine learning based sensitivity analysis for agricultural suitability mapping. <i>Agricultural Systems</i> , 2022 , 196, 103343	6.1	6
75	A Novel Technique for Modeling Ecosystem Health Condition: A Case Study in Saudi Arabia. <i>Remote Sensing</i> , 2021 , 13, 2632	5	6

74	Effects of cyclic variability in Pacific decadal oscillation on winter wheat production in China. <i>International Journal of Climatology</i> , 2021 , 41, 2239-2252	3.5	6
73	Assessment of mapping of annual average rainfall in a tropical country like Bangladesh: remotely sensed output vs. kriging estimate. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 111-123	3	6
72	Geochemical variation and contamination level of potentially toxic elements in land-uses urban soils. <i>International Journal of Environmental Analytical Chemistry</i> , 1-18	1.8	6
71	A coupled novel framework for assessing vulnerability of water resources using hydrochemical analysis and data-driven models. <i>Journal of Cleaner Production</i> , 2022 , 336, 130407	10.3	5
70	Spatiotemporal trends of temperature extremes in Bangladesh under changing climate using multi-statistical techniques. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 307	3	5
69	Smallholder Farmers' Perceived Climate-Related Risk, Impact, and Their Choices of Sustainable Adaptation Strategies. <i>Sustainability</i> , 2021 , 13, 11922	3.6	5
68	Spatiotemporal characteristics and risk assessment of agricultural drought disasters during the winter wheat-growing season on the Huang-Huai-Hai Plain, China. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 1393-1407	3	5
67	Application of novel framework approach for prediction of nitrate concentration susceptibility in coastal multi-aquifers, Bangladesh. <i>Science of the Total Environment</i> , 2021 , 801, 149811	10.2	5
66	Spatiotemporal changes and modulations of extreme climatic indices in monsoon-dominated climate region linkage with large-scale atmospheric oscillation. <i>Atmospheric Research</i> , 2021 , 264, 105840	5.4	5
65	Potentially toxic elemental contamination in Wainivesi River, Fiji impacted by gold-mining activities using chemometric tools and SOM analysis.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	4
64	Landslide susceptibility modeling in a complex mountainous region of Sikkim Himalaya using new hybrid data mining approach. <i>Geocarto International</i> , 1-26	2.7	4
63	Characterization of groundwater potential zones in water-scarce hardrock regions using data driven model. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	4
62	Geomorphological and Land Use Mapping: A Case Study of Ishwardi Under Pabna District, Bangladesh. <i>Advances in Research</i> , 2015 , 4, 378-387	0.1	4
61	Perceived and actual risks of drought: household and expert views from the lower Teesta River Basin of northern Bangladesh. <i>Natural Hazards</i> , 2021 , 108, 2569-2587	3	4
60	Analysing Process and Probability of Built-Up Expansion Using Machine Learning and Fuzzy Logic in English Bazar, West Bengal. <i>Remote Sensing</i> , 2022 , 14, 2349	5	4
59	Impact of Air Pollutant on Human Health in Kushtia Sugar Mill, Bangladesh. <i>International Journal of Scientific Research in Environmental Sciences</i> , 2014 , 2, 184-191		3
58	Assessing Farmers' Typologies of Perception for Adopting Sustainable Adaptation Strategies in Bangladesh. <i>Climate</i> , 2021 , 9, 167	3.1	3
57	Assessment of CMIP6 global climate models in reconstructing rainfall climatology of Bangladesh. <i>International Journal of Climatology</i> ,	3.5	3

56	Assessment of drought disaster risk in Boro rice cultivated areas of northwestern Bangladesh 2020 , 2, 19-29		3
55	Mass Media Influence on Changing Healthy Lifestyle of Community People During COVID-19 Pandemic in Bangladesh: A Cross-Sectional Survey. <i>Asia-Pacific Journal of Public Health</i> , 2021 , 33, 617-619		3
54	Evaluation of FAO-56 Procedures for Estimating Reference Evapotranspiration Using Missing Climatic Data for a Brazilian Tropical Savanna. <i>Water (Switzerland)</i> , 2021 , 13, 1763	3	3
53	Land transform and its consequences due to the route change of the Brahmaputra River in Bangladesh. <i>International Journal of River Basin Management</i> , 1-13	1.7	3
52	Risk assessment of drought disaster in summer maize cultivated areas of the Huang-Huai-Hai plain, eastern China. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 441	3.1	3
51	Hyperspectral characteristics and inversion model estimation of winter wheat under different elevated CO ₂ concentrations. <i>International Journal of Remote Sensing</i> , 2021 , 42, 1035-1053	3.1	3
50	Responses of CO ₂ and N ₂ O emissions from soil-plant systems to simulated warming and acid rain in cropland. <i>Journal of Soils and Sediments</i> , 2021 , 21, 1109-1126	3.4	3
49	Estimating daily actual evapotranspiration of a rice-wheat rotation system in typical farmland in the Huai River Basin using a two-step model and two one-step models. <i>Journal of Integrative Agriculture</i> , 2021 , 20, 274-288	3.2	3
48	Developing groundwater potentiality models by coupling ensemble machine learning algorithms and statistical techniques for sustainable groundwater management. <i>Geocarto International</i> , 1-21	2.7	3
47	Multivariate statistics and entropy theory for irrigation water quality and entropy-weighted index development in a subtropical urban river, Bangladesh. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
46	Developing Robust Flood Susceptibility Model with Small Numbers of Parameters in Highly Fertile Regions of Northwest Bangladesh for Sustainable Flood and Agriculture Management. <i>Sustainability</i> , 2022 , 14, 3982	3.6	3
45	Optimizing hyperparameters of deep hybrid learning for rainfall prediction: a case study of a Mediterranean basin. <i>Arabian Journal of Geosciences</i> , 2022 , 15,	1.8	3
44	Paleoenvironment of deposition of Miocene succession in well BK-10 of Bengal Basin using electrofacies and lithofacies modeling approaches. <i>Modeling Earth Systems and Environment</i> , 2017 , 3, 1	3.2	2
43	Identification of Gas Sand Horizons of the Rashidpur Structure, Surma Basin, Bangladesh, Using 2D Seismic Interpretation. <i>International Journal of Geophysics</i> , 2015 , 2015, 1-10	2	2
42	Petro physical parameter studies for characterization of gas reservoir of Narsingdi gas field, Bangladesh. <i>International Journal of Advanced Geosciences</i> , 2014 , 2,	0.2	2
41	Impact of Urbanization on Urban Heat Island Intensity in Major Districts of Bangladesh Using Remote Sensing and Geo-Spatial Tools. <i>Climate</i> , 2022 , 10, 3	3.1	2
40	Random forest and nature-inspired algorithms for mapping groundwater nitrate concentration in a coastal multi-layer aquifer system. <i>Journal of Cleaner Production</i> , 2022 , 130900	10.3	2
39	Evaluation of Gas Reservoir of the Meghna Gas Field, Bangladesh Using Wireline Log Interpretation. <i>Universal Journal of Geoscience</i> , 2014 , 2, 62-69	0	2

38	Heavy metals contamination and associated health risks in food webs-a review focuses on food safety and environmental sustainability in Bangladesh. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
37	Consumer fish consumption preferences and contributing factors: empirical evidence from Rangpur city corporation, Bangladesh. <i>Heliyon</i> , 2020 , 6, e05864	3.6	2
36	Development of novel hybrid machine learning models for monthly thunderstorm frequency prediction over Bangladesh. <i>Natural Hazards</i> , 2021 , 108, 1109-1135	3	2
35	Climate change effects on potential evapotranspiration in Bangladesh. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	2
34	Characterization of groundwater hydrogeochemistry, quality, and associated health hazards to the residents of southwestern Bangladesh. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
33	Integration of artificial intelligenceBased LULC mapping and prediction for estimating ecosystem services for urban sustainability: past to future perspective. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	2
32	A Novel Hybrid Model for Developing Groundwater Potentiality Model Using High Resolution Digital Elevation Model (DEM) Derived Factors. <i>Water (Switzerland)</i> , 2021 , 13, 2632	3	2
31	Coupling of redundancy analysis with geochemistry and mineralogy to assess the behavior of dust arsenic as a base of risk estimation in Dhaka, Bangladesh. <i>Chemosphere</i> , 2022 , 287, 132048	8.4	2
30	Assessing Riverbank Erosion and Livelihood Resilience Using Traditional Approaches in Northern Bangladesh. <i>Sustainability</i> , 2022 , 14, 2348	3.6	2
29	Assessing factors affecting drought, earthquake, and flood risk perception: empirical evidence from Bangladesh. <i>Natural Hazards</i> ,1	3	2
28	Assessing the Impact of the Farakka Barrage on Hydrological Alteration in the Padma River with Future Insight. <i>Sustainability</i> , 2022 , 14, 5233	3.6	2
27	Simulation of Storm Surge in Myanmar Coast. <i>Earth Systems and Environment</i> , 2017 , 1, 1	7.5	1
26	Changes in urbanization and urban heat island effect in Dhaka city. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 891	3	1
25	Knowledge, Attitude, and Practices towards Lightning in Bangladesh. <i>Sustainability</i> , 2022 , 14, 448	3.6	1
24	Rice yield responses in Bangladesh to large-scale atmospheric oscillation using multifactorial model. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 29-44	3	1
23	Appraising the historical and projected spatiotemporal changes in the heat index in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 1-14	3	1
22	Water quality index modeling using random forest and improved SMO algorithm for support vector machine in Saf-Saf river basin.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
21	Changes in monsoon precipitation patterns over Bangladesh and its teleconnections with global climate. <i>Theoretical and Applied Climatology</i> ,1	3	1

20	Groundwater level estimation in northern region of Bangladesh using hybrid locally weighted linear regression and Gaussian process regression modeling. <i>Theoretical and Applied Climatology</i> ,1	3	1
19	Application of novel data-mining technique based nitrate concentration susceptibility prediction approach for coastal aquifers in India. <i>Journal of Cleaner Production</i> , 2022 , 346, 131205	10.3	1
18	Assessing Surface Water Quality for Irrigation Purposes in Some Dams of Asir Region, Saudi Arabia Using Multi-Statistical Modeling Approaches. <i>Water (Switzerland)</i> , 2022 , 14, 1439	3	1
17	Assessing the Spatial Mapping of Heat Vulnerability under Urban Heat Island (UHI) Effect in the Dhaka Metropolitan Area. <i>Sustainability</i> , 2022 , 14, 4945	3.6	1
16	How Has the Recent Climate Change Affected the Spatiotemporal Variation of Reference Evapotranspiration in a Climate Transitional Zone of Eastern China?. <i>ISPRS International Journal of Geo-Information</i> , 2022 , 11, 300	2.9	1
15	Evaluation of climate change impacts on future gully erosion using deep learning and soft computational approaches. <i>Geocarto International</i> ,1-37	2.7	1
14	Sustainable Groundwater Potential Zoning with Integrating GIS, Remote Sensing, and AHP Model: A Case From North-Central Bangladesh. <i>Sustainability</i> , 2022 , 14, 5640	3.6	1
13	Characteristics and influencing factors of carbon fluxes in winter wheat fields under elevated CO concentration.. <i>Environmental Pollution</i> , 2022 , 119480	9.3	1
12	Stacking state-of-the-art ensemble for flash-flood potential assessment. <i>Geocarto International</i> ,1-24	2.7	1
11	Flood susceptibility evaluation through deep learning optimizer ensembles and GIS techniques. <i>Journal of Environmental Management</i> , 2022 , 316, 115316	7.9	1
10	Recent changes in temperature extremes in subtropical climate region and the role of large-scale atmospheric oscillation patterns. <i>Theoretical and Applied Climatology</i> , 2022 , 148, 329	3	0
9	Impacts of climate modes on temperature extremes over Bangladesh using statistical methods. <i>Meteorology and Atmospheric Physics</i> , 2022 , 134, 1	2	0
8	Hyperspectral Characteristics and Scale Effects of Leaf and Canopy of Summer Maize under Continuous Water Stresses. <i>Agriculture (Switzerland)</i> , 2021 , 11, 1180	3	0
7	Identification of rainfall homogenous regions in Saudi Arabia for experimenting and improving trend detection techniques. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
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1	Monitoring 2019 Drought and Assessing Its Effects on Vegetation Using Solar-Induced Chlorophyll Fluorescence and Vegetation Indexes in the Middle and Lower Reaches of Yangtze River, China. <i>Remote Sensing</i> , 2022 , 14, 2569	5	o