

Akbar Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

4,372
citations

147786

31
h-index

175241

52
g-index

234
all docs

234
docs citations

234
times ranked

3214
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic concentrations in rice, vegetables, and fish in Bangladesh: a preliminary study. <i>Environment International</i> , 2004, 30, 383-387.	10.0	381
2	Intercroppingâ€”A Low Input Agricultural Strategy for Food and Environmental Security. <i>Agronomy</i> , 2021, 11, 343.	3.0	147
3	Copper-induced oxidative stress, initiation of antioxidants and phytoremediation potential of flax (<i>Linum usitatissimum</i> L.) seedlings grown under the mixing of two different soils of China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5211-5221.	5.3	138
4	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	117
5	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. <i>Molecules</i> , 2021, 26, 881.	3.8	112
6	Can Bangladesh produce enough cereals to meet future demand?. <i>Agricultural Systems</i> , 2018, 163, 36-44.	6.1	94
7	Consequences and Mitigation Strategies of Abiotic Stresses in Wheat (<i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , 2021, 11, 241.	3.0	93
8	Riceâ€”wheat system in the northwest Indo-Gangetic plains of South Asia: issues and technological interventions for increasing productivity and sustainability. <i>Paddy and Water Environment</i> , 2021, 19, 345.	1.8	85
9	Management of Crop Residues for Improving Input Use Efficiency and Agricultural Sustainability. <i>Sustainability</i> , 2020, 12, 9808.	3.2	81
10	High temperature combined with drought affect rainfed spring wheat and barley in South-Eastern Russia: I. Phenology and growth. <i>Saudi Journal of Biological Sciences</i> , 2012, 19, 473-487.	3.8	70
11	Conservation agriculture based sustainable intensification: Increasing yields and water productivity for smallholders of the Eastern Gangetic Plains. <i>Field Crops Research</i> , 2019, 238, 1-17.	5.1	70
12	EFFECTS OF DROUGHT STRESS ON THE QUALITY OF MAJOR OILSEED CROPS: IMPLICATIONS AND POSSIBLE MITIGATION STRATEGIES â€” A REVIEW. <i>Applied Ecology and Environmental Research</i> , 2019, 17, 4019-4043.	0.5	65
13	Wheat production in Bangladesh: its future in the light of global warming. <i>AoB PLANTS</i> , 2013, 5, pls042-pls042.	2.3	63
14	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> , 2022, 4, .	3.3	63
15	Inorganic and Organic Phosphorus Fertilizer Effects on the Phosphorus Fractionation in Wetland Rice Soils. <i>Soil Science Society of America Journal</i> , 2004, 68, 1635-1644.	2.2	62
16	Zinc Biofortification in Food Crops Could Alleviate the Zinc Malnutrition in Human Health. <i>Molecules</i> , 2021, 26, 3509.	3.8	60
17	Productivity and soil fertility of the riceâ€”wheat system in the High Ganges River Floodplain of Bangladesh is influenced by the inclusion of legumes and manure. <i>Agriculture, Ecosystems and Environment</i> , 2016, 218, 40-52.	5.3	57
18	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (<i>Camelina sativa</i> L.) and Canola (<i>Brassica napus</i> L.). <i>Molecules</i> , 2021, 26, 1699.	3.8	55

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19	Evaluation of Fourteen Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes by Observing Gas Exchange Parameters, Relative Water and Chlorophyll Content, and Yield Attributes under Drought Stress. <i>Sustainability</i> , 2021, 13, 4799.	3.2	53
20	Phenology, Growth and Yield of Three Wheat (<i>Triticum aestivum</i> L.) Varieties as Affected by High Temperature Stress. <i>Notulae Scientia Biologicae</i> , 2012, 4, 97-109.	0.4	52
21	Biofortification—A Frontier Novel Approach to Enrich Micronutrients in Field Crops to Encounter the Nutritional Security. <i>Molecules</i> , 2022, 27, 1340.	3.8	51
22	Zeolites Enhance Soil Health, Crop Productivity and Environmental Safety. <i>Agronomy</i> , 2021, 11, 448.	3.0	50
23	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	50
24	Wheat blast: a new threat to food security. <i>Phytopathology Research</i> , 2020, 2, .	2.4	49
25	Drought and Heat Stress in Cool-Season Food Legumes in Sub-Tropical Regions: Consequences, Adaptation, and Mitigation Strategies. <i>Plants</i> , 2021, 10, 1038.	3.5	49
26	Prospects of Nanotechnology in Improving the Productivity and Quality of Horticultural Crops. <i>Horticulturae</i> , 2021, 7, 332.	2.8	48
27	Zinc biofortification as an innovative technology to alleviate the zinc deficiency in human health: a review. <i>Open Agriculture</i> , 2020, 5, 176-187.	1.7	48
28	Effect of organic and inorganic fertilizers and rice straw on carbon sequestration and soil fertility under a rice—rice cropping pattern. <i>Carbon Management</i> , 2016, 7, 41-53.	2.4	45
29	Drought and salinity stress management for higher and sustainable canola (<i>Brassica napus</i> L.) production: a critical review. <i>Australian Journal of Crop Science</i> , 2019, 13, 88-97.	0.3	42
30	Bioinoculants—Natural Biological Resources for Sustainable Plant Production. <i>Microorganisms</i> , 2022, 10, 51.	3.6	40
31	Multivariate Analysis of Morpho-Physiological Traits Reveals Differential Drought Tolerance Potential of Bread Wheat Genotypes at the Seedling Stage. <i>Plants</i> , 2021, 10, 879.	3.5	36
32	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut (<i>Arachis hypogaea</i> L.) Production System: Part II. Effect on Phenology, Growth, Yield Attributes, Pod Quality, Profitability and Nitrogen Use Efficiency. <i>Agronomy</i> , 2020, 10, 1513.	3.0	35
33	COMPARATIVE PERFORMANCE OF TWO BREAD WHEAT (<i>TRITICUM AESTIVUM</i> L.) GENOTYPES UNDER SALINITY STRESS. <i>Applied Ecology and Environmental Research</i> , 2019, 17, 5029-5041.	0.5	35
34	Yield and quality of potato tuber and its water productivity are influenced by alternate furrow irrigation in a raised bed system. <i>Agricultural Water Management</i> , 2019, 224, 105750.	5.6	32
35	Improving smallholder farmers' gross margins and labor-use efficiency across a range of cropping systems in the Eastern Gangetic Plains. <i>World Development</i> , 2021, 138, 105266.	4.9	32
36	Nanobiotechnology for agricultural sustainability, and food and environmental safety. <i>Quality Assurance and Safety of Crops and Foods</i> , 2021, 13, 20-36.	3.4	32

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37	Trends in key soil parameters under conservation agriculture-based sustainable intensification farming practices in the Eastern Ganga Alluvial Plains. <i>Soil Research</i> , 2019, 57, 883.	1.1	31
38	Consequences of Salinity Stress on the Quality of Crops and Its Mitigation Strategies for Sustainable Crop Production: An Outlook of Arid and Semi-arid Regions. , 2020, , 503-533.		31
39	Integrated Weed and Nutrient Management Improve Yield, Nutrient Uptake and Economics of Maize in the Rice-Maize Cropping System of Eastern India. <i>Agronomy</i> , 2020, 10, 1906.	3.0	31
40	Alternate furrow irrigation can maintain grain yield and nutrient content, and increase crop water productivity in dry season maize in sub-tropical climate of South Asia. <i>Agricultural Water Management</i> , 2020, 238, 106229.	5.6	30
41	Conjunctive use of saline and fresh water increases the productivity of maize in saline coastal region of Bangladesh. <i>Agricultural Water Management</i> , 2018, 204, 262-270.	5.6	29
42	Labile Soil Organic Matter Pools Are Influenced by 45 Years of Applied Farmyard Manure and Mineral Nitrogen in the Wheatâ€”Pearl Millet Cropping System in the Sub-Tropical Condition. <i>Agronomy</i> , 2021, 11, 2190.	3.0	29
43	Agricultural Land Degradation: Processes and Problems Undermining Future Food Security. , 2020, , 17-61.		28
44	Enhancing Drought Tolerance in Wheat through Improving Morpho- Physiological and Antioxidants Activities of Plants by the Supplementation of Foliar Silicon. <i>Phyton</i> , 2020, 89, 529-539.	0.7	28
45	Prospects of Hydrogels in Agriculture for Enhancing Crop and Water Productivity under Water Deficit Condition. <i>International Journal of Polymer Science</i> , 2022, 2022, 1-15.	2.7	28
46	Nutrients Supplementation through Organic Manures Influence the Growth of Weeds and Maize Productivity. <i>Molecules</i> , 2020, 25, 4924.	3.8	27
47	Drought and salinity stresses in barley: Consequences and mitigation strategies. <i>Australian Journal of Crop Science</i> , 2019, , 810-820.	0.3	26
48	Soil Test Based Fertilizer Application Improves Productivity, Profitability and Nutrient Use Efficiency of Rice (<i>Oryza sativa</i> L.) under Direct Seeded Condition. <i>Agronomy</i> , 2021, 11, 1756.	3.0	26
49	Improvement of Soil Health and System Productivity through Crop Diversification and Residue Incorporation under Jute-Based Different Cropping Systems. <i>Agronomy</i> , 2021, 11, 1622.	3.0	26
50	Comparative Efficiency of Mineral, Chelated and Nano Forms of Zinc and Iron for Improvement of Zinc and Iron in Chickpea (<i>Cicer arietinum</i> L.) through Biofortification. <i>Agronomy</i> , 2021, 11, 2436.	3.0	26
51	Breeding and agronomic approaches for the biofortification of zinc in wheat (<i>Triticum aestivum</i> L.) to combat zinc deficiency in millions of a population: a Bangladesh perspective. <i>Acta Agrobotanica</i> , 2019, 72, .	1.0	25
52	How we used APSIM to simulate conservation agriculture practices in the rice-wheat system of the Eastern Gangetic Plains. <i>Field Crops Research</i> , 2022, 275, 108344.	5.1	25
53	Progressive Genomic Approaches to Explore Drought- and Salt-Induced Oxidative Stress Responses in Plants under Changing Climate. <i>Plants</i> , 2021, 10, 1910.	3.5	24
54	SUSTAINABLE MAIZE (<i>Zea mays</i> L.) PRODUCTION UNDER DROUGHT STRESS BY UNDERSTANDING ITS ADVERSE EFFECT, SURVIVAL MECHANISM AND DROUGHT TOLERANCE INDICES. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2018, 6, 282-295.	0.4	23

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55	The combination of organic and inorganic fertilizers influence the weed growth, productivity and soil fertility of monsoon rice. <i>PLoS ONE</i> , 2022, 17, e0262586.	2.5	23
56	Integrated Nutrient Management Improves the Productivity and Nutrient Use Efficiency of <i>Lens culinaris Medik.</i> . <i>Sustainability</i> , 2022, 14, 1284.	3.2	23
57	Productivity impacts and nutrient balances of an intensive potato-mungbean-rice crop rotation in multiple environments of Bangladesh. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 79-97.	5.3	22
58	The Response of Lentil (<i>Lens culinaris Medik.</i>) to Soil Moisture and Heat Stress Under Different Dates of Sowing and Foliar Application of Micronutrients. <i>Frontiers in Plant Science</i> , 2021, 12, 679469.	3.6	22
59	WHEAT (<i>TRITICUM AESTIVUM L.</i>) PRODUCTION UNDER DROUGHT AND HEAT STRESS – ADVERSE EFFECTS, MECHANISMS AND MITIGATION: A REVIEW. <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.5	22
60	Sustainable soybean production and abiotic stress management in saline environments: a critical review. <i>Australian Journal of Crop Science</i> , 2019, 13, 228-236.	0.3	21
61	Alternative use of wheat land to implement a potential wheat holiday as wheat blast control: In search of feasible crops in Bangladesh. <i>Land Use Policy</i> , 2019, 82, 1-12.	5.6	21
62	Influence of nitrogen application on dry biomass allocation and translocation in two maize varieties under short pre-anthesis and prolonged bracketing flowering periods of drought. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 928-944.	2.6	20
63	Evaluation of Quality Parameters of Seven Processing Type Potato (<i>Solanum tuberosum L.</i>) Cultivars in the Eastern Sub-Himalayan Plains. <i>Foods</i> , 2021, 10, 1138.	4.3	20
64	Effect of naphthaleneacetic acid on root and plant growth and yield of ten irrigated wheat genotypes. <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.5	20
65	A Computational Study of the Role of Secondary Metabolites for Mitigation of Acid Soil Stress in Cereals Using Dehydroascorbate and Mono-Dehydroascorbate Reductases. <i>Antioxidants</i> , 2022, 11, 458.	5.1	20
66	Silicon Mitigates the Adverse Effect of Drought in Canola (<i>Brassica napus l.</i>) Through Promoting the Physiological and Antioxidants Activity. <i>Silicon</i> , 2021, 13, 3817-3826.	3.3	19
67	Assessment of Energy Budgeting and Its Indicator for Sustainable Nutrient and Weed Management in a Rice-Maize-Green Gram Cropping System. <i>Agronomy</i> , 2021, 11, 166.	3.0	19
68	Long-Term Zinc Fertilization in Calcareous Soils Improves Wheat (<i>Triticum aestivum L.</i>) Productivity and Soil Zinc Status in the Rice-Wheat Cropping System. <i>Agronomy</i> , 2021, 11, 1306.	3.0	19
69	Yield Response, Nutritional Quality and Water Productivity of Tomato (<i>Solanum lycopersicum L.</i>) are Influenced by Drip Irrigation and Straw Mulch in the Coastal Saline Ecosystem of Ganges Delta, India. <i>Sustainability</i> , 2020, 12, 6779.	3.2	18
70	Enrichment of Zinc and Iron Micronutrients in Lentil (<i>Lens culinaris Medik.</i>) through Biofortification. <i>Molecules</i> , 2021, 26, 7671.	3.8	18
71	Foliar Spray of Micronutrients Alleviates Heat and Moisture Stress in Lentil (<i>Lens culinaris Medik.</i>) Crown Under Rainfed Field Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, 847743.	3.6	17
72	Effect of Temperature on Yield and Some Agronomic Characters of Spring Wheat (<i>Triticum aestivum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 44-54.	0.3	16

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73	Drought and Heat Stress in Cotton (<i>Gossypium hirsutum</i> L.): Consequences and Their Possible Mitigation Strategies. , 2020, , 613-634.		16
74	Mitigating the twin problems of malnutrition and wheat blast by one wheat variety, "BARI Gom 33"™, in Bangladesh. <i>Acta Agrobotanica</i> , 2019, 72, .	1.0	16
75	A farming system typology for the adoption of new technology in Bangladesh. <i>Food and Energy Security</i> , 2021, 10, e287.	4.3	15
76	Yield and quality of two sugar beet (<i>Beta vulgaris</i> L. ssp. <i>vulgaris</i> var. <i>altissima</i> D'Arny) cultivars are influenced by foliar application of salicylic acid, irrigation timing, and planting density. <i>Acta Agriculturae Slovenica</i> , 2020, 115, 273.	0.3	15
77	Enhancing drought tolerance in <i>Camelina sativa</i> L. and <i>Canola napus</i> L. through application of selenium. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.5	15
78	Interactive Effects of Foliar Application of Zinc, Iron and Nitrogen on Productivity and Nutritional Quality of Indian Mustard (<i>Brassica juncea</i> L.). <i>Agronomy</i> , 2021, 11, 2333.	3.0	15
79	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut (<i>Arachis hypogaea</i> L.) Production System: Part I. Effects on Productivity, Soil Moisture, and Nutrient Dynamics. <i>Agronomy</i> , 2020, 10, 1582.	3.0	14
80	Consequences and Mitigation Strategies of Heat Stress for Sustainability of Soybean (<i>Glycine max</i> L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		14
81	Physiological and Biochemical Dissection Reveals a Trade-Off between Antioxidant Capacity and Heat Tolerance in Bread Wheat (<i>Triticum aestivum</i> L.). <i>Antioxidants</i> , 2021, 10, 351.	5.1	14
82	Crop Establishment Methods and Integrated Nutrient Management Improve: Part II. Nutrient Uptake and Use Efficiency and Soil Health in Rice (<i>Oryza sativa</i> L.) Field in the Lower Indo-Gangetic Plain, India. <i>Agronomy</i> , 2021, 11, 1894.	3.0	14
83	Interactive Effect of Weeding Regimes, Rice Cultivars, and Seeding Rates Influence the Rice-Weed Competition under Dry Direct-Seeded Condition. <i>Sustainability</i> , 2021, 13, 317.	3.2	14
84	Application of Nanomaterials to Ensure Quality and Nutritional Safety of Food. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-19.	2.7	14
85	Legumes under Drought Stress: Plant Responses, Adaptive Mechanisms, and Management Strategies in Relation to Nitrogen Fixation. , 2021, , 179-207.		13
86	Wild relatives of plants as sources for the development of abiotic stress tolerance in plants. , 2022, , 471-518.		13
87	Evaluation of 130 Eggplant (<i>Solanum melongena</i> L.) Genotypes for Future Breeding Program Based on Qualitative and Quantitative Traits, and Various Genetic Parameters. <i>Horticulturae</i> , 2021, 7, 376.	2.8	13
88	Geospatial Modelling for Delineation of Crop Management Zones Using Local Terrain Attributes and Soil Properties. <i>Remote Sensing</i> , 2022, 14, 2101.	4.0	13
89	Development and Evaluation of an Emitter with a Low-Pressure Drip-Irrigation System for Sustainable Eggplant Production. <i>AgriEngineering</i> , 2019, 1, 376-390.	3.2	12
90	Evaluation of the Tolerance Ability of Wheat Genotypes to Drought Stress: Dissection through Culm-Reserves Contribution and Grain Filling Physiology. <i>Agronomy</i> , 2021, 11, 1252.	3.0	12

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91	Sustainable crop production to ensuring food security under climate change: A Mediterranean perspective. <i>Australian Journal of Crop Science</i> , 2020, , 439-446.	0.3	12
92	Innovative Land Arrangement in Combination with Irrigation Methods Improves the Crop and Water Productivity of Rice (<i>Oryza sativa</i> L.) Grown with Okra (<i>Abelmoschus esculentus</i> L.) under Raised and Sunken Bed Systems. <i>Agronomy</i> , 2021, 11, 2087.	3.0	12
93	Interrelationship Among Rice Grain Arsenic, Micronutrients Content and Grain Quality Attributes: An Investigation From Genotype – Environment Perspective. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	12
94	Puddled and zero-till unpuddled transplanted rice are each best suited to different environments – An example from two diverse locations in the Eastern Gangetic Plains of Bangladesh. <i>Field Crops Research</i> , 2021, 262, 108031.	5.1	11
95	Prospective Role of Plant Growth Regulators for Tolerance to Abiotic Stresses. , 2021, , 1-38.		11
96	Productivity and Nutrient Balance of an Intensive Rice–Rice Cropping System Are Influenced by Different Nutrient Management in the Red and Lateritic Belt of West Bengal, India. <i>Plants</i> , 2021, 10, 1622.	3.5	11
97	Application of Nanotechnology for Sustainable Crop Production Systems. <i>Nanotechnology in the Life Sciences</i> , 2020, , 135-159.	0.6	11
98	Evaluation of grain yield in fifty-eight spring bread wheat genotypes grown under heat stress. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.5	11
99	Zinc Biofortification in the Grains of Two Wheat (<i>Triticum aestivum</i> L.) Varieties Through Fertilization. <i>Acta Agrobotanica</i> , 2020, 73, .	1.0	11
100	Conservation agriculture enhances the rice-wheat system of the Eastern Gangetic Plains in some environments, but not in others. <i>Field Crops Research</i> , 2021, 265, 108109.	5.1	10
101	Yield and Quality of Ratoon Sugarcane Are Improved by Applying Potassium under Irrigation to Potassium Deficient Soils. <i>Agronomy</i> , 2021, 11, 1381.	3.0	10
102	The Use of Municipal Solid Waste Compost in Combination with Proper Irrigation Scheduling Influences the Productivity, Microbial Activity and Water Use Efficiency of Direct Seeded Rice. <i>Agriculture (Switzerland)</i> , 2021, 11, 941.	3.1	10
103	Heat Stress at Early Reproductive Stage Differentially Alters Several Physiological and Biochemical Traits of Three Tomato Cultivars. <i>Horticulturae</i> , 2021, 7, 330.	2.8	10
104	ROLE OF OSMOPROTECTANTS AND SOIL AMENDMENTS FOR SUSTAINABLE SOYBEAN (<i>Glycine max</i> L.) PRODUCTION UNDER DROUGHT CONDITION: A REVIEW. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2018, 6, 32-41.	0.4	10
105	Weed Management and Crop Establishment Methods in Rice (<i>Oryza sativa</i> L.) Influence the Soil Microbial and Enzymatic Activity in Sub-Tropical Environment. <i>Plants</i> , 2022, 11, 1071.	3.5	10
106	The Productivity and Nutrient Use Efficiency of Rice–Rice–Black Gram Cropping Sequence Are Influenced by Location Specific Nutrient Management. <i>Sustainability</i> , 2021, 13, 3222.	3.2	9
107	Improved Method of Boron Fertilization in Rice (<i>Oryza sativa</i> L.)–Mustard (<i>Brassica juncea</i> L.) Cropping System in Upland Calcareous Soils. <i>Sustainability</i> , 2021, 13, 5037.	3.2	9
108	Salinity Stress in Maize: Effects of Stress and Recent Developments of Tolerance for Improvement. , 0, , .		9

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109	Crop Establishment Methods and Integrated Nutrient Management Improve: Part I. Crop Performance, Water Productivity and Profitability of Rice (<i>Oryza sativa</i> L.) in the Lower Indo-Gangetic Plain, India. <i>Agronomy</i> , 2021, 11, 1860.	3.0	9
110	Polyhalite Positively Influences the Growth, Yield and Quality of Sugarcane (<i>Saccharum officinarum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	9
111	Scientific Interventions to Improve Land and Water Productivity for Climate-Smart Agriculture in South Asia. , 2019, , 499-558.		9
112	YIELD OF WHEAT IS INCREASED THROUGH IMPROVING THE CHEMICAL PROPERTIES, NUTRIENT AVAILABILITY AND WATER PRODUCTIVITY OF SALT AFFECTED SOILS IN THE NORTH DELTA OF EGYPT. <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.5	9
113	Potassium and Water-Deficient Conditions Influence the Growth, Yield and Quality of Ratoon Sugarcane (<i>Saccharum officinarum</i> L.) in a Semi-Arid Agroecosystem. <i>Agronomy</i> , 2021, 11, 2257.	3.0	9
114	Physiology, Growth, and Productivity of Springâ€“Summer Black Gram (<i>Vigna mungo</i> L. Hepper) as Influenced by Heat and Moisture Stresses in Different Dates of Sowing and Nutrient Management Conditions. <i>Agronomy</i> , 2021, 11, 2329.	3.0	9
115	Synthesis of Mesoporous Silica and Graphene-Based FeO and ZnO Nanocomposites for Nutritional Biofortification and Sustained the Productivity of Rice (<i>Oryza sativa</i> L.). <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	2.7	9
116	Seed Priming and Foliar Application of Nutrients Influence the Productivity of Relay Grass Pea (<i>Lathyrus sativus</i> L.) through Accelerating the Photosynthetically Active Radiation (PAR) Use Efficiency. <i>Agronomy</i> , 2022, 12, 1125.	3.0	9
117	Variety-Specific Nitrogen Fertilizer Recommendation for Lowland Rice. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 35, 1891-1903.	1.4	8
118	Concept and Consequence of Evapotranspiration for Sustainable Crop Production in the Era of Climate Change. , 2019, , .		8
119	Progress and Challenges of Wheat Production in the Era of Climate Change: A Bangladesh Perspective. , 2019, , 615-679.		8
120	Evaluation of yield stability of seven barley (<i>Hordeum vulgare</i> L.) genotypes in multiple environments using GGE biplot and AMMI model. <i>Open Agriculture</i> , 2019, 4, 284-293.	1.7	8
121	Productivity and Profitability of Kharif Rice Are Influenced by Crop Establishment Methods and Nitrogen Management in the Lateritic Belt of the Subtropical Region. <i>Agronomy</i> , 2021, 11, 1280.	3.0	8
122	Kernel Water Relations and Kernel Filling Traits in Maize (<i>Zea mays</i> L.) Are Influenced by Water-Deficit Condition in a Tropical Environment. <i>Frontiers in Plant Science</i> , 2021, 12, 717178.	3.6	8
123	Assessment of Agroeconomic Indicators of <i>Sesamum indicum</i> L. as Influenced by Application of Boron at Different Levels and Plant Growth Stages. <i>Molecules</i> , 2021, 26, 6699.	3.8	8
124	The Pedospheric Variation of DTPA-Extractable Zn, Fe, Mn, Cu and Other Physicochemical Characteristics in Major Soil Orders in Existing Land Use Systems of Punjab, India. <i>Sustainability</i> , 2022, 14, 29.	3.2	8
125	Long-Term Field and Horticultural Crops Intensification in Semiarid Regions Influence the Soil Physiobiochemical Properties and Nutrients Status. <i>Agronomy</i> , 2022, 12, 1010.	3.0	8
126	ON-FARM WHEAT TRIALS IN BANGLADESH: A STUDY TO REDUCE PERCEIVED CONSTRAINTS TO YIELD IN TRADITIONAL WHEAT AREAS AND SOUTHERN LANDS THAT REMAIN FALLOW DURING THE DRY SEASON. <i>Experimental Agriculture</i> , 2007, 43, 21-40.	0.9	7

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127	Biplot Yield Analysis of Heat-Tolerant Spring Wheat Genotypes (<i>Triticum Aestivum</i> L.) in Multiple Growing Environments. <i>Open Agriculture</i> , 2018, 3, 404-413.	1.7	7
128	Jasmonates and Salicylates: Mechanisms, Transport and Signalling During Abiotic Stress in Plants. <i>Signaling and Communication in Plants</i> , 2021, , 1-29.	0.7	7
129	Study on Morphological, Physiological Characteristics and Yields of Twenty-One Potato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT ₇ /Overlo	3.0	7
130	Assessing the Carboxymethylcellulose Copper-Montmorillonite Nanocomposite for Controlling the Infection of <i>Erwinia carotovora</i> in Potato (<i>Solanum tuberosum</i> L.). <i>Nanomaterials</i> , 2021, 11, 802.	4.1	7
131	Crop Diversification in Rice-Based Cropping Systems Improves the System Productivity, Profitability and Sustainability. <i>Sustainability</i> , 2021, 13, 6288.	3.2	7
132	Maize Adaptability to Heat Stress under Changing Climate. , 0, , .		7
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