

# Akbar Hossain

## List of Publications by Year in descending order

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219  
papers

4,372  
citations

147801

31  
h-index

175258

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	Intercropping—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	Rice—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 — 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 rice—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. PLoS ONE, 2022, 17, e0262586.	2.5	23
56	Integrated Nutrient Management Improves the Productivity and Nutrient Use Efficiency of Lens culinaris Medik.. Sustainability, 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. Agriculture, Ecosystems and Environment, 2016, 231, 79-97.	5.3	22
58	The Response of Lentil (Lens culinaris Medik.) to Soil Moisture and Heat Stress Under Different Dates of Sowing and Foliar Application of Micronutrients. Frontiers in Plant Science, 2021, 12, 679469.	3.6	22
59	WHEAT (TRITICUM AESTIVUM L.) PRODUCTION UNDER DROUGHT AND HEAT STRESS – ADVERSE EFFECTS, MECHANISMS AND MITIGATION: A REVIEW. Applied Ecology and Environmental Research, 2019, 17, .	0.5	22
60	Sustainable soybean production and abiotic stress management in saline environments: a critical review. Australian Journal of Crop Science, 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. Land Use Policy, 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. Archives of Agronomy and Soil Science, 2019, 65, 928-944.	2.6	20
63	Evaluation of Quality Parameters of Seven Processing Type Potato (Solanum tuberosum L.) Cultivars in the Eastern Sub-Himalayan Plains. Foods, 2021, 10, 1138.	4.3	20
64	Effect of naphthaleneacetic acid on root and plant growth and yield of ten irrigated wheat genotypes. Pakistan Journal of Botany, 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. Antioxidants, 2022, 11, 458.	5.1	20
66	Silicon Mitigates the Adverse Effect of Drought in Canola (Brassica napus L.) Through Promoting the Physiological and Antioxidants Activity. Silicon, 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. Agronomy, 2021, 11, 166.	3.0	19
68	Long-Term Zinc Fertilization in Calcareous Soils Improves Wheat (Triticum aestivum L.) Productivity and Soil Zinc Status in the Rice–Wheat Cropping System. Agronomy, 2021, 11, 1306.	3.0	19
69	Yield Response, Nutritional Quality and Water Productivity of Tomato (Solanum lycopersicum L.) are Influenced by Drip Irrigation and Straw Mulch in the Coastal Saline Ecosystem of Ganges Delta, India. Sustainability, 2020, 12, 6779.	3.2	18
70	Enrichment of Zinc and Iron Micronutrients in Lentil (Lens culinaris Medik.) through Biofortification. Molecules, 2021, 26, 7671.	3.8	18
71	Foliar Spray of Micronutrients Alleviates Heat and Moisture Stress in Lentil (Lens culinaris Medik) Crown Under Rainfed Field Conditions. Frontiers in Plant Science, 2022, 13, 847743.	3.6	17
72	Effect of Temperature on Yield and Some Agronomic Characters of Spring Wheat (Triticum aestivum) 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, â€˜BARI Gom 33â€™™, 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> DÃ¶rfl) 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 <i>Rhizobium</i> 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 /Overlap 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. Australian Journal of Crop Science, 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. Agronomy, 2021, 11, 2087.	3.0	12
93	Interrelationship Among Rice Grain Arsenic, Micronutrients Content and Grain Quality Attributes: An Investigation From Genotype – Environment Perspective. Frontiers in Environmental Science, 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. Field Crops Research, 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. Plants, 2021, 10, 1622.	3.5	11
97	Application of Nanotechnology for Sustainable Crop Production Systems. Nanotechnology in the Life Sciences, 2020, , 135-159.	0.6	11
98	Evaluation of grain yield in fifty-eight spring bread wheat genotypes grown under heat stress. Pakistan Journal of Botany, 2020, 52, .	0.5	11
99	Zinc Biofortification in the Grains of Two Wheat ( <i>Triticum aestivum</i> L.) Varieties Through Fertilization. Acta Agrobotanica, 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. Field Crops Research, 2021, 265, 108109.	5.1	10
101	Yield and Quality of Ratoon Sugarcane Are Improved by Applying Potassium under Irrigation to Potassium Deficient Soils. Agronomy, 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. Agriculture (Switzerland), 2021, 11, 941.	3.1	10
103	Heat Stress at Early Reproductive Stage Differentially Alters Several Physiological and Biochemical Traits of Three Tomato Cultivars. Horticulturae, 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. Journal of Experimental Biology and Agricultural Sciences, 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. Plants, 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. Sustainability, 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. Sustainability, 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 <sub>7</sub> /Overlook	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 Riceâ€”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
133	Water Footprint in Rice-Based Cropping Systems of South Asia. , 2021, , 273-308.		7
134	EVALUATION OF HERBAGE YIELD AND NUTRITIVE VALUE OF EIGHT FORAGE CROP SPECIES. <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.5	7
135	Long-Term Integrated Nutrient Management in the Maizeâ€”Wheat Cropping System in Alluvial Soils of North-Western India: Influence on Soil Organic Carbon, Microbial Activity and Nutrient Status. <i>Agronomy</i> , 2021, 11, 2258.	3.0	7
136	Emerging roles of plant growth regulators for plants adaptation to abiotic stressâ€”induced oxidative stress. , 2022, , 1-72.		7
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