

Akbar Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

4,372
citations

168829

31
h-index

198040

52
g-index

234
all docs

234
docs citations

234
times ranked

3630
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of 10 Eggplant (<i>Solanum melongena</i> L.) Genotypes for Development of Cultivars Suitable for Short-Term Waterlogged Conditions. <i>Gesunde Pflanzen</i> , 2023, 75, 179-192.	1.7	2
2	CRISPR-Cas9-mediated genome editing technology for abiotic stress tolerance in crop plant. , 2022, , 331-354.		4
3	The role of soil microorganisms in plant adaptation to abiotic stresses: Current scenario and future perspectives. , 2022, , 233-278.		2
4	Wild relatives of plants as sources for the development of abiotic stress tolerance in plants. , 2022, , 471-518.		13
5	Climate change impact on plants: Plant responses and adaptations. , 2022, , 1-24.		4
6	Integrated Nutrient Management Improves Productivity and Quality of Sugarcane (<i>Saccharum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 0.4		0
7	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.	2.3	25
8	Bioleaching Approach for Enhancing Sewage Sludge Dewaterability. , 2022, , 51-69.		3
9	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.	1.1	23
10	Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids under drought-induced oxidative stress in plants. , 2022, , 99-130.		1
11	Emerging roles of plant growth regulators for plants adaptation to abiotic stressâ€“induced oxidative stress. , 2022, , 1-72.		7
12	Integrated Nutrient Management Improves the Productivity and Nutrient Use Efficiency of <i>Lens culinaris</i> Medik.. <i>Sustainability</i> , 2022, 14, 1284.	1.6	23
13	Integrated Nutrient Management Improves the Growth and Yield of Rice and Greengram in a Riceâ€“Greengram Cropping System under the Coastal Plain Agro-Climatic Condition. <i>Plants</i> , 2022, 11, 142.	1.6	7
14	Adaptation strategies to increase water productivity of wheat under changing climate. <i>Agricultural Water Management</i> , 2022, 264, 107499.	2.4	7
15	Prospects of beneficial microbes as a natural resource for sustainable legumes production under changing climate. , 2022, , 29-56.		1
16	Biological Nitrogen Fixation: An Analysis of Intoxicating Tribulations from Pesticides for Sustainable Legume Production. , 2022, , 351-374.		1
17	Biofortificationâ€“A Frontier Novel Approach to Enrich Micronutrients in Field Crops to Encounter the Nutritional Security. <i>Molecules</i> , 2022, 27, 1340.	1.7	51
18	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.	2.2	20

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19	Crop and water productivity and profitability of broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i>) under gravity drip irrigation with mulching condition in a humid sub-tropical climate. <i>PLoS ONE</i> , 2022, 17, e0265439.	1.1	4
20	Application of Sewage Sludge in a Rice (<i>Oryza sativa</i> L.)-Wheat (<i>Triticum aestivum</i> L.) System Influences the Growth, Yield, Quality and Heavy Metals Accumulation of Rice and Wheat in the Northern Gangetic Alluvial Plain. <i>Life</i> , 2022, 12, 484.	1.1	5
21	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> , 2022, 4, .	1.5	63
22	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, .	1.5	12
23	Silicon in Combination with Farmyard Manure Improves the Productivity, Quality and Nitrogen Use Efficiency of Sweet Corn in an Organic Farming System. <i>Silicon</i> , 2022, 14, 5733-5743.	1.8	4
24	Foliar Spray of Micronutrients Alleviates Heat and Moisture Stress in Lentil (<i>Lens culinaris</i> Medik) Grown Under Rainfed Field Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, 847743.	1.7	17
25	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.	1.6	8
26	Bioinoculants – Natural Biological Resources for Sustainable Plant Production. <i>Microorganisms</i> , 2022, 10, 51.	1.6	40
27	Saline Toxicity and Antioxidant Response in <i>Oryza sativa</i> : An Updated Review. , 2022, , 79-102.		3
28	Phenotypic and Molecular Characterization of Rice Genotypes – Tolerance to Cold Stress at the Seedling Stage. <i>Sustainability</i> , 2022, 14, 4871.	1.6	3
29	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.	1.6	10
30	Organic and Inorganic Mulches Combination Improves the Productivity, Quality and Profitability of Rainfed Potato in the Temperate Himalayan Region. <i>Gesunde Pflanzen</i> , 2022, 74, 1109-1122.	1.7	5
31	Long-Term Field and Horticultural Crops Intensification in Semiarid Regions Influence the Soil Physiobiochemical Properties and Nutrients Status. <i>Agronomy</i> , 2022, 12, 1010.	1.3	8
32	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.	1.5	9
33	Biofortification of Soybean (<i>Glycine max</i> L.) through $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ to Enhance Yield, Iron Nutrition and Economic Outcomes in Sandy Loam Soils of India. <i>Agriculture (Switzerland)</i> , 2022, 12, 586.	1.4	3
34	Geospatial Modelling for Delineation of Crop Management Zones Using Local Terrain Attributes and Soil Properties. <i>Remote Sensing</i> , 2022, 14, 2101.	1.8	13
35	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.	1.3	9
36	Persistence and Exposure Assessment of Insecticide Indoxacarb Residues in Vegetables. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	3

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37	Interactive Effects of Molybdenum, Zinc and Iron on the Grain Yield, Quality, and Nodulation of Cowpea (<i>Vigna unguiculata</i> (L.) Walp.) in North-Western India. <i>Molecules</i> , 2022, 27, 3622.	1.7	5
38	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.	1.2	28
39	Genetic Variation and Genotype by Environment Interaction for Agronomic Traits in Maize (<i>Zea mays</i> L.) Hybrids. <i>Plants</i> , 2022, 11, 1522.	1.6	7
40	Small Millets: The Next-Generation Smart Crops in the Modern Era of Climate Change. , 2022, , 1-25.		3
41	Legumes for nutrient management in the cropping system. , 2022, , 93-112.		0
42	Insight rifampicin-resistant (<i>rpoB</i>) mutation in <i>Pseudomonas stutzeri</i> leads to enhance the biosynthesis of secondary metabolites to survive against harsh environments. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	1
43	Silicon Mitigates the Adverse Effect of Drought in Canola (<i>Brassica napus</i> L.) Through Promoting the Physiological and Antioxidants Activity. <i>Silicon</i> , 2021, 13, 3817-3826.	1.8	19
44	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.	2.6	32
45	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.	2.3	11
46	Prospective Role of Plant Growth Regulators for Tolerance to Abiotic Stresses. , 2021, , 1-38.		11
47	Phenotypic and Molecular Assessment of Wheat Genotypes Tolerant to Leaf Blight, Rust and Blast Diseases. <i>Phyton</i> , 2021, 90, 1301-1320.	0.4	3
48	Consequences and Mitigation Strategies of Abiotic Stresses in Wheat (<i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , 2021, 11, 241.	1.3	93
49	Conservation Agriculture Improves Soil Health: Major Research Findings from Bangladesh. , 2021, , 511-561.		1
50	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.	1.3	19
51	Arbuscular Mycorrhizal Fungi: The Natural Biotechnological Tools for Sustainable Crop Production Under Saline Soils in the Modern Era of Climate Change. , 2021, , 373-401.		1
52	Ecological Intensification for Sustainable Agriculture in South Asia. , 2021, , 171-213.		2
53	Conservation Agriculture: Next-Generation, Climate Resilient Crop Management Practices for Food Security and Environmental Health. , 2021, , 585-609.		1
54	The Green Revolution from space: Mapping the historic dynamics of main rice types in one of the world's food bowls. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 21, 100460.	0.8	5

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55	Jasmonates and Salicylates: Mechanisms, Transport and Signalling During Abiotic Stress in Plants. Signaling and Communication in Plants, 2021, , 1-29.	0.5	7
56	Nanobiotechnology for agricultural sustainability, and food and environmental safety. Quality Assurance and Safety of Crops and Foods, 2021, 13, 20-36.	1.8	32
57	Study on Morphological, Physiological Characteristics and Yields of Twenty-One Potato (Solanum) Tj ETQq1 1 0.784314 rgBT ₇ /Overlo	1.3	7
58	Physiological and Biochemical Dissection Reveals a Trade-Off between Antioxidant Capacity and Heat Tolerance in Bread Wheat (Triticum aestivum L.). Antioxidants, 2021, 10, 351.	2.2	14
59	Zeolites Enhance Soil Health, Crop Productivity and Environmental Safety. Agronomy, 2021, 11, 448.	1.3	50
60	Rice-wheat system in the northwest Indo-Gangetic plains of South Asia: issues and technological interventions for increasing productivity and sustainability. Paddy and Water Environment, 2021, 19, 345.	1.0	85
61	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. Molecules, 2021, 26, 881.	1.7	112
62	Development and Performance Evaluation of a Two-Wheeled Power-Tiller Multi-row Weeder. Journal of Biosystems Engineering, 2021, 46, 36-47.	1.2	2
63	Intercropping-A Low Input Agricultural Strategy for Food and Environmental Security. Agronomy, 2021, 11, 343.	1.3	147
64	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (Camelina sativa L.) and Canola (Brassica napus L.). Molecules, 2021, 26, 1699.	1.7	55
65	The Productivity and Nutrient Use Efficiency of Rice-Rice-Black Gram Cropping Sequence Are Influenced by Location Specific Nutrient Management. Sustainability, 2021, 13, 3222.	1.6	9
66	Assessing the Carboxymethylcellulose Copper-Montmorillonite Nanocomposite for Controlling the Infection of Erwinia carotovora in Potato (Solanum tuberosum L.). Nanomaterials, 2021, 11, 802.	1.9	7
67	Farmers' Preference, Yield, and GGE-Biplot Analysis-Based Evaluation of Four Sweet Potato (Ipomoea) Tj ETQq1 1 0.784314 rgBT ₄ /	1.6	4
68	Selection of Suitable Potato Genotypes for Late-Sown Heat Stress Conditions Based on Field Performance and Stress Tolerance Indices. Sustainability, 2021, 13, 2770.	1.6	6
69	Optimum Sowing Window and Yield Forecasting for Maize in Northern and Western Bangladesh Using CERES Maize Model. Agronomy, 2021, 11, 635.	1.3	2
70	Improved Method of Boron Fertilization in Rice (Oryza sativa L.)-Mustard (Brassica juncea L.) Cropping System in Upland Calcareous Soils. Sustainability, 2021, 13, 5037.	1.6	9
71	Multivariate Analysis of Morpho-Physiological Traits Reveals Differential Drought Tolerance Potential of Bread Wheat Genotypes at the Seedling Stage. Plants, 2021, 10, 879.	1.6	36
72	Evaluation of Fourteen Bread Wheat (Triticum aestivum L.) Genotypes by Observing Gas Exchange Parameters, Relative Water and Chlorophyll Content, and Yield Attributes under Drought Stress. Sustainability, 2021, 13, 4799.	1.6	53

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73	Evaluation of Quality Parameters of Seven Processing Type Potato (<i>Solanum tuberosum</i> L.) Cultivars in the Eastern Sub-Himalayan Plains. <i>Foods</i> , 2021, 10, 1138.	1.9	20
74	Drought and Heat Stress in Cool-Season Food Legumes in Sub-Tropical Regions: Consequences, Adaptation, and Mitigation Strategies. <i>Plants</i> , 2021, 10, 1038.	1.6	49
75	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.	2.3	10
76	A farming system typology for the adoption of new technology in Bangladesh. <i>Food and Energy Security</i> , 2021, 10, e287.	2.0	15
77	Design, Development, and Performance Evaluation of a Power-Operated Jute Fiber Extraction Machine. <i>AgriEngineering</i> , 2021, 3, 403-422.	1.7	2
78	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.	1.3	8
79	The Key Roles of Proline against Heat, Drought and Salinity-Induced Oxidative Stress in Wheat (<i>Triticum aestivum</i> L.). , 2021, , 171-190.		0
80	Long-Term Zinc Fertilization in Calcareous Soils Improves Wheat (<i>Triticum aestivum</i> L.) Productivity and Soil Zinc Status in the Rice-Wheat Cropping System. <i>Agronomy</i> , 2021, 11, 1306.	1.3	19
81	Economic assessment of maize (<i>Zea mays</i> L.) - Spinach (<i>Basella alba</i> L.) intercropping system for improving the livelihood of smallholders™ in South-Asia. <i>Acta Fytotechnica Et Zootechnica</i> , 2021, 24, 101-109.	0.1	3
82	Crop Diversification in Rice-Based Cropping Systems Improves the System Productivity, Profitability and Sustainability. <i>Sustainability</i> , 2021, 13, 6288.	1.6	7
83	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.	1.3	12
84	Zinc Biofortification in Food Crops Could Alleviate the Zinc Malnutrition in Human Health. <i>Molecules</i> , 2021, 26, 3509.	1.7	60
85	Assessing the genetic diversity of twenty one Colombo limon L. genotypes through multivariate and covariance matrix analysis. <i>Acta Fytotechnica Et Zootechnica</i> , 2021, 24, 110-116.	0.1	1
86	Xenia and Deficit Nitrogen Influence the Iron and Zinc Concentration in the Grains of Hybrid Maize. <i>Agronomy</i> , 2021, 11, 1388.	1.3	1
87	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	117
88	Yield and Quality of Ratoon Sugarcane Are Improved by Applying Potassium under Irrigation to Potassium Deficient Soils. <i>Agronomy</i> , 2021, 11, 1381.	1.3	10
89	The Response of Lentil (<i>Lens culinaris</i> Medik.) 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.	1.7	22
90	Genetic Diversity of Wheat Stripe Rust Fungus <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in Yunnan, China. <i>Plants</i> , 2021, 10, 1735.	1.6	2

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91	Carbon and Nitrogen Mineralization in Dark Grey Calcareous Floodplain Soil Is Influenced by Tillage Practices and Residue Retention. <i>Plants</i> , 2021, 10, 1650.	1.6	5
92	Legumes under Drought Stress: Plant Responses, Adaptive Mechanisms, and Management Strategies in Relation to Nitrogen Fixation. , 2021, , 179-207.		13
93	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.	1.3	26
94	Herbicide in Weed Management of Wheat (<i>Triticum aestivum</i> L.) and Rainy Season Rice (<i>Oryza sativa</i> L.) under Conservation Agricultural System. <i>Agronomy</i> , 2021, 11, 1704.	1.3	4
95	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.	1.3	26
96	Productivity and Nutrient Balance of an Intensive Riceâ€“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.	1.6	11
97	Soil Organic Carbon and System Environmental Footprint in Sugarcane-Based Cropping Systems Are Improved by Precision Land Leveling. <i>Agronomy</i> , 2021, 11, 1964.	1.3	3
98	Introgression of Bacterial Blight Resistance Genes in the Rice Cultivar Ciherang: Response against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in the F6 Generation. <i>Plants</i> , 2021, 10, 2048.	1.6	5
99	Progressive Genomic Approaches to Explore Drought- and Salt-Induced Oxidative Stress Responses in Plants under Changing Climate. <i>Plants</i> , 2021, 10, 1910.	1.6	24
100	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.	1.3	14
101	Assessing the Adaptive Mechanisms of Two Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes to Salinity Stress. <i>Agronomy</i> , 2021, 11, 1979.	1.3	5
102	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.	1.3	9
103	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.	1.4	10
104	Heat Stress at Early Reproductive Stage Differentially Alters Several Physiological and Biochemical Traits of Three Tomato Cultivars. <i>Horticulturae</i> , 2021, 7, 330.	1.2	10
105	Prospects of Nanotechnology in Improving the Productivity and Quality of Horticultural Crops. <i>Horticulturae</i> , 2021, 7, 332.	1.2	48
106	Polyhalite Positively Influences the Growth, Yield and Quality of Sugarcane (<i>Saccharum officinarum</i>) Tj ETQq0 0 0 rgBT /Overlçck 10 Tf 5	1.6	9
107	Strigolactones: A Novel Carotenoid-Derived Phytohormoneâ€“ Biosynthesis, Transporters, Signalling, and Mechanisms in Abiotic Stress. , 2021, , 275-303.		4
108	THE EFFECTS OF EARLY HARVESTING ON THE SEED VIGOUR OF THREE CORN (<i>ZEA MAYS</i> L.) HYBRIDS BASED ON GERMINATION CHARACTERISTICS. <i>Applied Ecology and Environmental Research</i> , 2021, 19, 1123-1134.	0.2	0

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109	Water Footprint in Rice-Based Cropping Systems of South Asia. , 2021, , 273-308.		7
110	Evaluierung von wirtschaftlich tragfähigen und umweltfreundlichen Unkrautbekämpfungsmethoden für Weizen (<i>Triticum aestivum</i> L.). <i>Gesunde Pflanzen</i> , 2021, 73, 209-218.	1.7	3
111	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.	1.6	14
112	Cost-Effective and Eco-Friendly Agricultural Technologies in Rice-Wheat Cropping Systems for Food and Environmental Security. , 2021, , 69-96.		3
113	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.	1.7	8
114	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.	1.3	12
115	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.	1.2	13
116	Assessing the Productivity, Quality and Profitability of Orange Fleshed Sweet Potatoes Grown in Riverbank of the Tista Floodplain Agro-Ecological Zone of Bangladesh. <i>Agronomy</i> , 2021, 11, 2046.	1.3	4
117	Labile Soil Organic Matter Pools Are Influenced by 45 Years of Applied Farmyard Manure and Mineral Nitrogen in the Wheat-Pearl Millet Cropping System in the Sub-Tropical Condition. <i>Agronomy</i> , 2021, 11, 2190.	1.3	29
118	Photodegradation of Flucetosulfuron, a Sulfonylurea-Based Herbicide in the Aqueous Media Is Influenced by Ultraviolet Irradiation. <i>Journal of Xenobiotics</i> , 2021, 11, 142-154.	2.9	6
119	Assessment of Agroecomic 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.	1.7	8
120	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.	1.3	9
121	Long-Term Integrated Nutrient Management in the Maize-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.	1.3	7
122	High-Throughput Root Network System Analysis for Low Phosphorus Tolerance in Maize at Seedling Stage. <i>Agronomy</i> , 2021, 11, 2230.	1.3	2
123	Removal of Biomass and Nutrients by Weeds and Direct-Seeded Rice under Conservation Agriculture in Light-Textured Soils of North-Western India. <i>Plants</i> , 2021, 10, 2431.	1.6	6
124	Physiology, Growth, and Productivity of Spring-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.	1.3	9
125	Role of Transporters during Heavy Metals Toxicity in Plants. , 2021, , 49-62.		2
126	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.	1.3	15

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127	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.	1.3	26
128	Assessing the Capability of Chemical Ameliorants to Reduce the Bioavailability of Heavy Metals in Bulk Fly Ash Contaminated Soil. <i>Molecules</i> , 2021, 26, 7019.	1.7	3
129	Raising Climate-Resilient Embolden Rice (<i>Oryza sativa</i> L.) Seedlings during the Cool Season through Various Types of Nursery Bed Management. <i>Sustainability</i> , 2021, 13, 12910.	1.6	4
130	Thermal Response of Spring- and Summer-Grown Black Gram (<i>Vigna mungo</i> L. Hepper) in Indian Subtropics. <i>Atmosphere</i> , 2021, 12, 1489.	1.0	5
131	Application of Nanomaterials to Ensure Quality and Nutritional Safety of Food. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-19.	1.5	14
132	Input Use Efficiency in Rice-Wheat Cropping Systems to Manage the Footprints for Food and Environmental Security. , 2021, , 1-31.		1
133	Advances in Input Management for Food and Environmental Security. , 2021, , 157-198.		2
134	Precision Input Management for Minimizing and Recycling of Agricultural Waste. , 2021, , 567-603.		1
135	Use of Agrochemicals in Agriculture: Alarming Issues and Solutions. , 2021, , 85-122.		4
136	Enrichment of Zinc and Iron Micronutrients in Lentil (<i>Lens culinaris</i> Medik.) through Biofortification. <i>Molecules</i> , 2021, 26, 7671.	1.7	18
137	Next-Generation Climate-Resilient Agricultural Technology in Traditional Farming for Food and Nutritional Safety in the Modern Era of Climate Change. , 2021, , 225-291.		0
138	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	50
139	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.	2.7	138
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