

Umakanta Sarker

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63 papers	2,290 citations	29 h-index	47 g-index
69 ext. papers	3,321 ext. citations	3.1 avg, IF	6.63 L-index

#	Paper	IF	Citations
63	Phenolic acids, flavonoids and total antioxidant capacity of selected leafy vegetables. <i>Journal of Functional Foods</i> , 2012 , 4, 979-987	5.1	188
62	Drought stress enhances nutritional and bioactive compounds, phenolic acids and antioxidant capacity of Amaranthus leafy vegetable. <i>BMC Plant Biology</i> , 2018 , 18, 258	5.3	141
61	Catalase, superoxide dismutase and ascorbate-glutathione cycle enzymes confer drought tolerance of Amaranthus tricolor. <i>Scientific Reports</i> , 2018 , 8, 16496	4.9	113
60	Drought Stress Effects on Growth, ROS Markers, Compatible Solutes, Phenolics, Flavonoids, and Antioxidant Activity in Amaranthus tricolor. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 186, 999-1016	3.2	111
59	Augmentation of leaf color parameters, pigments, vitamins, phenolic acids, flavonoids and antioxidant activity in selected Amaranthus tricolor under salinity stress. <i>Scientific Reports</i> , 2018 , 8, 12349	4.9	104
58	Response of nutrients, minerals, antioxidant leaf pigments, vitamins, polyphenol, flavonoid and antioxidant activity in selected vegetable amaranth under four soil water content. <i>Food Chemistry</i> , 2018 , 252, 72-83	8.5	97
57	The Response of Salinity Stress-Induced to Growth, Anatomy, Physiology, Non-Enzymatic and Enzymatic Antioxidants. <i>Frontiers in Plant Science</i> , 2020 , 11, 559876	6.2	82
56	Antioxidant constituents of three selected red and green color Amaranthus leafy vegetable. <i>Scientific Reports</i> , 2019 , 9, 18233	4.9	79
55	Salinity stress enhances color parameters, bioactive leaf pigments, vitamins, polyphenols, flavonoids and antioxidant activity in selected Amaranthus leafy vegetables. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 2275-2284	4.3	75
54	Nutraceuticals, antioxidant pigments, and phytochemicals in the leaves of Amaranthus spinosus and Amaranthus viridis weedy species. <i>Scientific Reports</i> , 2019 , 9, 20413	4.9	72
53	Salinity stress accelerates nutrients, dietary fiber, minerals, phytochemicals and antioxidant activity in Amaranthus tricolor leaves. <i>PLoS ONE</i> , 2018 , 13, e0206388	3.7	66
52	Nutritional and antioxidant components and antioxidant capacity in green morph Amaranthus leafy vegetable. <i>Scientific Reports</i> , 2020 , 10, 1336	4.9	64
51	Protein, dietary fiber, minerals, antioxidant pigments and phytochemicals, and antioxidant activity in selected red morph Amaranthus leafy vegetable. <i>PLoS ONE</i> , 2019 , 14, e0222517	3.7	64
50	Nutrients, minerals, antioxidant pigments and phytochemicals, and antioxidant capacity of the leaves of stem amaranth. <i>Scientific Reports</i> , 2020 , 10, 3892	4.9	62
49	Nutrients, minerals, pigments, phytochemicals, and radical scavenging activity in Amaranthus blitum leafy vegetables. <i>Scientific Reports</i> , 2020 , 10, 3868	4.9	57
48	Polyphenol and flavonoid profiles and radical scavenging activity in leafy vegetable Amaranthus gangeticus. <i>BMC Plant Biology</i> , 2020 , 20, 499	5.3	54
47	Bioactive substances in leaves of two amaranth species, Amaranthus tricolor and A. hypochondriacus. <i>Canadian Journal of Plant Science</i> , 2013 , 93, 47-58	1	52

46	Phenolic profiles and antioxidant activities in selected drought-tolerant leafy vegetable amaranth. <i>Scientific Reports</i> , 2020 , 10, 18287	4.9	49
45	Bioactive Components and Radical Scavenging Activity in Selected Advance Lines of Salt-Tolerant Vegetable Amaranth. <i>Frontiers in Nutrition</i> , 2020 , 7, 587257	6.2	48
44	Variability in total antioxidant capacity, antioxidant leaf pigments and foliage yield of vegetable amaranth. <i>Journal of Integrative Agriculture</i> , 2018 , 17, 1145-1153	3.2	48
43	Genotype variability in composition of antioxidant vitamins and minerals in vegetable amaranth. <i>Genetika</i> , 2015 , 47, 85-96	0.6	44
42	Nutritional and bioactive constituents and scavenging capacity of radicals in <i>Amaranthus hypochondriacus</i> . <i>Scientific Reports</i> , 2020 , 10, 19962	4.9	44
41	Variability, heritability and genetic association in vegetable amaranth (<i>Amaranthus tricolor</i> L.). <i>Spanish Journal of Agricultural Research</i> , 2015 , 13, e0702	1.1	42
40	Antioxidant leaf pigments and variability in vegetable amaranth. <i>Genetika</i> , 2018 , 50, 209-220	0.6	39
39	Genotypic diversity in vegetable amaranth for antioxidant, nutrient and agronomic traits. <i>Indian Journal of Genetics and Plant Breeding</i> , 2017 , 77, 173	1.7	39
38	Leaf pigmentation, its profiles and radical scavenging activity in selected <i>Amaranthus tricolor</i> leafy vegetables. <i>Scientific Reports</i> , 2020 , 10, 18617	4.9	39
37	Nutraceuticals, phytochemicals, and radical quenching ability of selected drought-tolerant advance lines of vegetable amaranth. <i>BMC Plant Biology</i> , 2020 , 20, 564	5.3	37
36	Genetic variation and interrelationships among antioxidant, quality, and agronomic traits in vegetable amaranth. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2016 , 40, 526-535	2.2	37
35	Color attributes, betacyanin, and carotenoid profiles, bioactive components, and radical quenching capacity in selected <i>Amaranthus gangeticus</i> leafy vegetables. <i>Scientific Reports</i> , 2021 , 11, 11559	4.9	32
34	Variability in mineral compositions, yield and yield contributing traits of stem amaranth (<i>Amaranthus lividus</i>). <i>Genetika</i> , 2018 , 50, 995-1010	0.6	29
33	Total Polyphenol and Antioxidant Activity of Red Amaranth (<i>Amaranthus tricolor</i> L.) as Affected by Different Sunlight Level. <i>Japanese Society for Horticultural Science</i> , 2008 , 77, 395-401		26
32	Biomass yield and accumulations of bioactive compounds in red amaranth (<i>Amaranthus tricolor</i> L.) grown under different colored shade polyethylene in spring season. <i>Scientia Horticulturae</i> , 2010 , 123, 289-294	4.1	25
31	Foliar Application of Salicylic Acid Improved the Growth, Yield and Leaf's Bioactive Compounds in Red Amaranth (<i>Amaranthus tricolor</i> L.). <i>Journal of Fruit and Ornamental Plant Research</i> , 2011 , 74, 77-86		22
30	Phenotypic divergence in vegetable amaranth for total antioxidant capacity, antioxidant profile, dietary fiber, nutritional and agronomic traits. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018 , 68, 67-76	1.1	18
29	Phenotypic and genotypic correlation co-efficient of quantitative characters and character association of aromatic rice. <i>Journal of Bioscience and Agriculture Research</i> , 2014 , 1, 34-46	0.8	16

28	Genetic variations in yield and yield contributing traits of green amaranth. <i>Genetika</i> , 2020 , 52, 393-407	0.6	16
27	Variability, heritability, character association, and path coefficient analysis in advanced breeding lines of rice (<i>Oryza sativa</i> L.). <i>Genetika</i> , 2020 , 52, 711-726	0.6	14
26	Breaking Strength of Pedicel and Grain Shattering Habit in Two Species of Buckwheat (<i>Fagopyrum</i> spp.). <i>Plant Production Science</i> , 1998 , 1, 62-66	2.4	13
25	Influence of Cultivar and Growth Stage on Pigments and Processing Factors on Betacyanins in Red Amaranth (<i>Amaranthus tricolor</i> L.). <i>Food Science and Technology International</i> , 2009 , 15, 259-265	2.6	11
24	Genetic variability of yield and its contributing characters on CIMMYT maize inbreds under drought stress. <i>Bangladesh Journal of Agricultural Research</i> , 2015 , 39, 419-426	0.3	10
23	Genotypic variability for grain quality attributes in restorer lines of hybrid rice. <i>Genetika</i> , 2020 , 52, 973-989	0.3	10
22	Genetic divergence study in salinity stress tolerant maize (<i>Zea mays</i> L.). <i>Bangladesh Journal of Agricultural Research</i> , 2015 , 39, 621-630	0.3	10
21	GENETIC DIVERGENCE ON QUANTITATIVE CHARACTERS OF EXOTIC MAIZE INBREDS (<i>Zea mays</i> L.). <i>Bangladesh Journal of Plant Breeding and Genetics</i> , 2015 , 26, 09-14		10
20	CHARACTER ASSOCIATION IN F4 GENERATION OF RICE (<i>Oryza sativa</i> L.). <i>Bangladesh Journal of Plant Breeding and Genetics</i> , 2015 , 26, 39-44		10
19	Phenotypic Plasticity of Vegetable Amaranth, <i>Amaranthus tricolor</i> L. under a Natural Climate. <i>Plant Production Science</i> , 2014 , 17, 166-172	2.4	8
18	Spatial distribution and genetic diversity of wild date palm (<i>Phoenix sylvestris</i>) growing in coastal Bangladesh. <i>Tree Genetics and Genomes</i> , 2019 , 15, 1	2.1	8
17	Bioactive Phytochemicals and Quenching Activity of Radicals in Selected Drought-Resistant Vegetable Amaranth.. <i>Antioxidants</i> , 2022 , 11,	7.1	7
16	Heterosis and Genetic Analysis in Rice Hybrids. <i>Pakistan Journal of Biological Sciences</i> , 2001 , 5, 1-5	0.8	6
15	Influence of Salinity Stress on Color Parameters, Leaf Pigmentation, Polyphenol and Flavonoid Contents, and Antioxidant Activity of Leafy Vegetables.. <i>Molecules</i> , 2022 , 27,	4.8	6
14	Gene action of yield and yield contributing traits of submergence tolerant rice (<i>Oryza sativa</i> L.) in Bangladesh. <i>Bulletin of the National Research Centre</i> , 2020 , 44,	3	5
13	Study of Correlation and Path Analysis in the Selected Okra Genotypes. <i>Asian Research Journal of Agriculture</i> , 1-11	0	5
12	Integrated nutrient management for growth, yield and profitability of broccoli. <i>Bangladesh Journal of Agricultural Research</i> , 2019 , 44, 13-26	0.3	4
11	STUDY OF THE GENETIC ANALYSIS OF SOME SELECTED OKRA GENOTYPES. <i>International Journal of Advanced Research</i> , 2020 , 8, 549-556	1.5	4

10	Performance Evaluation of Some Selected Okra Genotypes. <i>International Journal of Plant & Soil Science</i> ,13-20	0.5	4
9	Prospects and potentials of underutilized leafy Amaranths as vegetable use for health-promotion.. <i>Plant Physiology and Biochemistry</i> , 2022 , 182, 104-123	5.4	3
8	Genotype x environment interaction for grain yield of maize (Zea mays L.) inbreds under salinity stress. <i>Bangladesh Journal of Agricultural Research</i> , 2014 , 39, 293-301	0.3	2
7	Association of Grain Shedding Habit with Polyploidy in Tartary Buckwheat (<i>Fagopyrum tataricum</i>) Strains. <i>Plant Production Science</i> , 2004 , 7, 212-216	2.4	2
6	Breaking Strength of Pedicel as an Index of Grain-Shattering Habit in Autotetraploid and Diploid Buckwheat (<i>Fagopyrum esculentum</i> Moench.) Cultivars. <i>Plant Production Science</i> , 1999 , 2, 190-195	2.4	2
5	Evaluation of Combining Ability and Heterosis of Popular Restorer and Male Sterile Lines for the Development of Superior Rice Hybrids. <i>Agronomy</i> , 2022 , 12, 965	3.6	2
4	Phytonutrients, Colorant Pigments, Phytochemicals, and Antioxidant Potential of Orphan Leafy Species.. <i>Molecules</i> , 2022 , 27,	4.8	2
3	Novel DNA probes capable of discriminating indica and japonica rice cultivars. <i>DNA Sequence</i> , 1996 , 6, 303-6		1
2	Genotype X Seedling Age Interaction in Rice (<i>Oryza sativa</i> L.). <i>Pakistan Journal of Biological Sciences</i> , 2002 , 5, 275-277	0.8	0
1	Characterization of Phytochemicals, Nutrients, and Antiradical Potential in Slim Amaranth. <i>Antioxidants</i> , 2022 , 11, 1089	7.1	0