

Hossam S El-Beltagi

List of Publications by Year in Descending Order

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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.

86 papers	1,533 citations	24 h-index	36 g-index
92 ext. papers	2,145 ext. citations	2.8 avg, IF	5.26 L-index

#	Paper	IF	Citations
86	Control of Gas Emissions (N ₂ O and CO ₂) Associated with Applied Different Rates of Nitrogen and Their Influences on Growth, Productivity, and Physio-Biochemical Attributes of Green Bean Plants Grown under Different Irrigation Methods. <i>Agronomy</i> , 2022 , 12, 249	3.6	2
85	Paclobutrazol Improves the Quality of Tomato Seedlings to Be Resistant to Blight Disease: Biochemical and Histological Perspectives.. <i>Plants</i> , 2022 , 11,	4.5	4
84	Acclimatization of In Vitro Banana Seedlings Using Root-Applied Bio-Nanofertilizer of Copper and Selenium. <i>Agronomy</i> , 2022 , 12, 539	3.6	1
83	Influence of maturity stages on postharvest physico-chemical properties of grapefruit (Citrus paradisi var. Shamber Tarnab) under different storage durations. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022 , 50, 12620	1.2	1
82	Bioprospecting Plant Growth Promoting Rhizobacteria for Enhancing the Biological Properties and Phytochemical Composition of Medicinally Important Crops.. <i>Molecules</i> , 2022 , 27,	4.8	2
81	The Protective Effect of Anethole against Renal Ischemia/Reperfusion: The Role of the TLR2,4/MYD88/NF- κ B Pathway.. <i>Antioxidants</i> , 2022 , 11,	7.1	2
80	Alpha Lipoic Acid as a Protective Mediator for Regulating the Defensive Responses of Wheat Plants against Sodic Alkaline Stress: Physiological, Biochemical and Molecular Aspects.. <i>Plants</i> , 2022 , 11,	4.5	2
79	Dried Brown Seaweed's Phytoremediation Potential for Methylene Blue Dye Removal from Aquatic Environments.. <i>Polymers</i> , 2022 , 14,	4.5	10
78	Modulatory Effect of Papaya Extract against Chlorpyrifos-Induced Oxidative Stress, Immune Suppression, Endocrine Disruption, and DNA Damage in Female .. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	4
77	Ginseng, Tribulus Extracts and Pollen Grains Supplementation Improves Sexual State, Testes Redox Status, and Testicular Histology in Nile Tilapia Males. <i>Antioxidants</i> , 2022 , 11, 875	7.1	1
76	Phytochemical Characterization and Utilization of Dried Red Beetroot (Beta vulgaris) Peel Extract in Maintaining the Quality of Nile Tilapia Fish Fillet. <i>Antioxidants</i> , 2022 , 11, 906	7.1	4
75	Phytochemical and Potential Properties of Seaweeds and Their Recent Applications: A Review. <i>Marine Drugs</i> , 2022 , 20, 342	6	2
74	The Using of Nanoparticles of Microalgae in Remediation of Toxic Dye from Industrial Wastewater: Kinetic and Isotherm Studies. <i>Materials</i> , 2022 , 15, 3922	3.5	3
73	Exogenous Postharvest Application of Calcium Chloride and Salicylic Acid to Maintain the Quality of Broccoli Florets. <i>Plants</i> , 2022 , 11, 1513	4.5	2
72	Omicron variant genome evolution and phylogenetics. <i>Journal of Medical Virology</i> , 2021 ,	19.7	42
71	Potential Antioxidant and Anticancer Activities of Secondary Metabolites of Nostoc linckia Cultivated under Zn and Cu Stress Conditions. <i>Processes</i> , 2021 , 9, 1972	2.9	3
70	Morpho-Anatomical and Biochemical Characterization of Embryogenic and Degenerative Embryogenic Calli of Phoenix dactylifera L.. <i>Horticulturae</i> , 2021 , 7, 393	2.5	2

69	In-vitro evaluation of antioxidant and antiradical potential of successive extracts, semi-purified fractions and biosynthesized silver nanoparticles of Rumex vesicarius. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12293	1.2	3
68	Agronomical, physiological and molecular evaluation reveals superior salt-tolerance in bread wheat through salt-induced priming approach. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12310 ²	1.2	4
67	Phytochemical Screening and Antimicrobial Activity of Various Extracts of Aerial Parts of Rhanterium epapposum. <i>Processes</i> , 2021 , 9, 1351	2.9	3
66	Biosynthesis of Nanoparticles by Microorganisms and Applications in Plant Stress Control 2021 , 319-353		1
65	Antioxidant and cytotoxic activities of Artemisia monosperma L. and Tamarix aphylla L. essential oils. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12233	1.2	8
64	Effect of New Pre-Emergence Herbicides on Quality and Yield of Potato and Its Associated Weeds. <i>Sustainability</i> , 2021 , 13, 9796	3.6	6
63	Date palm (Phoenix dactylifera L.) secondary metabolites: Bioactivity and pharmaceutical potential 2021 , 483-531		1
62	Silicon Alleviates Copper Toxicity in Flax Plants by Up-Regulating Antioxidant Defense and Secondary Metabolites and Decreasing Oxidative Damage. <i>Sustainability</i> , 2020 , 12, 4732	3.6	45
61	Role of Ascorbic acid, Glutathione and Proline Applied as Singly or in Sequence Combination in Improving Chickpea Plant through Physiological Change and Antioxidant Defense under Different Levels of Irrigation Intervals. <i>Molecules</i> , 2020 , 25,	4.8	52
60	Chemical compositions and biological activities of the essential oils from gamma irradiated celery (Apium graveolens L.) seeds. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 2114-2133	1.2	8
59	Antioxidant, anti-cancer and ameliorative activities of Spirulina platensis and pomegranate juice against hepatic damage induced by CCl4. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 1941-1956	1.2	5
58	Dietary solutions to dyslipidemia: Milk protein-polysaccharide conjugates as liver biochemical enhancers. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13142	3.3	1
57	Modulating Laying Hens Productivity and Immune Performance in Response to Oxidative Stress Induced by Challenge Using Dietary Propolis Supplementation. <i>Antioxidants</i> , 2020 , 9,	7.1	9
56	Synergism of Dietary Co-Supplementation with Lutein and Bile Salts Improved the Growth Performance, Carotenoid Content, Antioxidant Capacity, Lipid Metabolism, and Lipase Activity of the Marbled Spinefoot Rabbitfish,. <i>Animals</i> , 2020 , 10,	3.1	3
55	Dietary Supplementation of Probiotic Modulates Cholesterol Levels, Immune Response, and Productive Performance of Laying Hens. <i>Animals</i> , 2020 , 10,	3.1	10
54	Antioxidant, Antibacterial Activities and Mineral Content of Buffalo Yoghurt Fortified with Fenugreek and Seed Flours. <i>Foods</i> , 2020 , 9,	4.9	7
53	Chemical Composition and Biological Activity of Physalis peruviana L.. <i>Gesunde Pflanzen</i> , 2019 , 71, 113-122	1.2	36
52	The Effects of Wheat Flour and Barley Flour on the Quality and Properties of Biscuits Colored with Synthetic and Natural Colorants. <i>Notulae Scientia Biologicae</i> , 2019 , 11, 30-38	0.4	1

51	Grafting phenolics onto milk protein via conjugated polymerization for delivery of multiple functionalities: Synthesis and characterization. <i>Food Chemistry</i> , 2019 , 301, 125298	8.5	8
50	Role of Secondary Metabolites from Seaweeds in the Context of Plant Development and Crop Production 2019 , 64-79		2
49	Hepatoprotective Effect of Casein Glycomacropeptide as Compared to Pterostilbene and Curcumin. <i>International Journal of Dairy Science</i> , 2019 , 15, 10-21	0.7	
48	Effect of Gamma irradiation on some biochemical properties, antioxidant and antimicrobial activities of Sakouti and Bondoky dry dates fruits genotypes. <i>Journal of Radiation Research and Applied Sciences</i> , 2019 , 12, 437-446	1.5	6
47	X-ray irradiation changes germination and biochemical analysis of two genotypes of okra (<i>Hibiscus esculentus</i> L.). <i>Journal of Radiation Research and Applied Sciences</i> , 2019 , 12, 393-402	1.5	8
46	Anti-inflammatory and antioxidant activities of naringin isolated from <i>Carissa carandas</i> L.: In vitro and in vivo evidence. <i>Phytomedicine</i> , 2018 , 42, 126-134	6.5	32
45	Adding functionality to milk-based protein: Preparation, and physico-chemical characterization of β -lactoglobulin-phenolic conjugates. <i>Food Chemistry</i> , 2018 , 241, 281-289	8.5	44
44	In vivo correlation of olive leaves extract on some oxidative stress markers in streptozotocin-induced diabetes mellitus in rats. <i>Grasas Y Aceites</i> , 2018 , 69, 243	1.3	2
43	Evaluation of the Phytochemical, Antioxidant, Antibacterial and Anticancer Activity of <i>Prunus domestica</i> Fruit. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018 , 47, 395-404	1.2	12
42	GC-MS Analysis, Antioxidant, Antimicrobial and Anticancer Activities of Extracts from <i>Ficus sycomorus</i> Fruits and Leaves. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018 , 47, 493-505	1.2	14
41	Biological Activities of the Doum Palm (<i>Hyphaene thebaica</i> L.) Extract and Its Bioactive Components 2018 ,		8
40	Nitric Oxide Treatment and Induced Genes Role Against <i>Phytophthora infestans</i> in Potato. <i>Gesunde Pflanzen</i> , 2017 , 69, 171-183	1.9	2
39	Biochemical Changes in Fatty Acids, Hydrocarbons and Sterols as well as Total Lipids of Albino Rats Ingested some Synthetic Colourants and Flavourants as Food Additives. <i>Notulae Scientia Biologicae</i> , 2017 , 9, 40-47	0.4	1
38	The impact of using chickpea flour and dried carp fish powder on pizza quality. <i>PLoS ONE</i> , 2017 , 12, e0183657	3.7	18
37	Effect of Lead Stress on the Hydrolytic Enzyme Activities and Free Radical Formation in Radish (<i>Raphanus sativus</i> L.) Plant. <i>American Journal of Biochemistry and Molecular Biology</i> , 2016 , 6, 84-94	0.3	1
36	Synergistic Antioxidant Scavenging Activities of Grape Seed and Green Tea Extracts against Oxidative Stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016 , 44, 367-374	1.2	4
35	Protective Effect of Nitric Oxide on High Temperature Induced Oxidative Stress in Wheat (<i>Triticum aestivum</i>) Callus Culture. <i>Notulae Scientia Biologicae</i> , 2016 , 8, 192-198	0.4	13
34	Assessment the Protective Role of Quercetin on Acrylamide-Induced Oxidative Stress in Rats. <i>Journal of Food Biochemistry</i> , 2016 , 40, 715-723	3.3	14

33	Molecular Role of Nitric Oxide in Secondary Products Production in Ginkgo biloba Cell Suspension Culture. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015 , 43, 12-18	1.2	8
32	Effect of gamma radiation on the lipid profiles of soybean, peanut and sesame seed oils. <i>Grasas Y Aceites</i> , 2013 , 64, 356-368	1.3	21
31	Physiological and Biochemical Effects of γ -Irradiation on Cowpea Plants (<i>Vigna sinensis</i>) under Salt Stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013 , 41, 104	1.2	31
30	Comparison of Antioxidant and Antimicrobial Properties for Ginkgo biloba and Rosemary (<i>Rosmarinus officinalis</i> L.) from Egypt. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013 , 41, 126	1.2	11
29	Alleviation of Cadmium Toxicity in <i>Pisum sativum</i> L. Seedlings by Calcium Chloride. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013 , 41, 157	1.2	33
28	Reactive Oxygen Species, Lipid Peroxidation and Antioxidative Defense Mechanism. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013 , 41, 44	1.2	69
27	Effect of lead acetate toxicity on experimental male albino rat. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, 41-6	1.4	110
26	Biochemical changes in grape rootstocks resulted from humic acid treatments in relation to nematode infection. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, 287-93	1.4	34
25	Biochemical changes in phenols, flavonoids, tannins, vitamin E, β -carotene and antioxidant activity during soaking of three white sorghum varieties. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, 203-9	1.4	96
24	Antioxidant enzyme activities and lipid peroxidation as biomarker for potato tuber stored by two essential oils from Caraway and Clove and its main component carvone and eugenol. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, S772-S780	1.4	16
23	Protein solubility, digestibility and fractionation after germination of sorghum varieties. <i>PLoS ONE</i> , 2012 , 7, e31154	3.7	57
22	Antioxidant enzyme activities and lipid peroxidation as biomarker compounds for potato tuber stored by gamma radiation. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, S1548-S1555	1.4	7
21	The Impact of γ -Irradiation, Essential Oils and Iodine on Biochemical Components and Metabolism of Potato Tubers During Storage. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012 , 40, 129	1.2	8
20	Response of Antioxidant Substances and Enzymes Activities as a Defense Mechanism Against Root-Knot Nematode Infection. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012 , 40, 132	1.2	13
19	Impact of Organic and Inorganic Fertilizers on Nematode Reproduction and Biochemical Alterations on Tomato. <i>Notulae Scientia Biologicae</i> , 2012 , 4, 48-55	0.4	6
18	Effect of Soaking, Cooking, Germination and Fermentation Processing on Proximate Analysis and Mineral Content of Three White Sorghum Varieties (<i>Sorghum bicolor</i> L. Moench). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012 , 40, 92	1.2	31
17	Induction of resistance in <i>Arachis hypogaea</i> L. against Peanut mottle virus by nitric oxide and salicylic acid. <i>Physiological and Molecular Plant Pathology</i> , 2011 , 76, 112-118	2.6	24
16	Acaricidal activity of different extracts from <i>Syzygium cumini</i> L. Skeels (Pomposia) against <i>Tetranychus urticae</i> Koch. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, 359-64	1.4	28

15	Discharge of lead contamination by natural compounds pectin and chitin: biochemical analysis of DNA, RNA, DNase, RNase and GOT in albino rat as an early bio-marker of lead-toxicity. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, S226-S231	1.4	1
14	Effect of Gamma Radiation on Protein Profile, Protein Fraction and Solubility of Three Oil Seeds: Soybean, Peanut and Sesame. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2011 , 39, 90	1.2	33
13	Bioavailability of iron, zinc, phytate and phytase activity during soaking and germination of white sorghum varieties. <i>PLoS ONE</i> , 2011 , 6, e25512	3.7	102
12	Effect of low doses γ -irradiation on oxidative stress and secondary metabolites production of rosemary (<i>Rosmarinus officinalis</i> L.) callus culture. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 968-976	2.5	76
11	The effect of lead acetate toxicity on experimental male albino rat. <i>Biological Trace Element Research</i> , 2011 , 144, 1120-32	4.5	19
10	Effect of roasting treatments on protein fraction profiles, some enzyme activities of Egyptian peanuts. <i>International Journal of Food Sciences and Nutrition</i> , 2011 , 62, 453-6	3.7	19
9	Response of Antioxidative Enzymes to Cadmium Stress in Leaves and Roots of Radish (<i>Raphanus sativus</i> L.). <i>Notulae Scientia Biologicae</i> , 2010 , 2, 76-82	0.4	34
8	Antioxidant and antimicrobial properties of kaff maryam (<i>Anastatica hierochuntica</i>) and doum palm (<i>Hyphaene thebaica</i>). <i>Grasas Y Aceites</i> , 2010 , 61, 67-75	1.3	35
7	Variations in fatty acid composition, glucosinolate profile and some phytochemical contents in selected oil seed rape (<i>Brassica napus</i> L.) cultivars. <i>Grasas Y Aceites</i> , 2010 , 61, 143-150	1.3	39
6	Influence of ionizing irradiation on the antioxidant enzymes of <i>Vicia faba</i> L.. <i>Grasas Y Aceites</i> , 2010 , 61, 288-294	1.3	29
5	Some Biochemical Markers for Evaluation of Flax Cultivars Under Salt Stress Conditions. <i>Journal of Natural Fibers</i> , 2008 , 5, 316-330	1.8	37
4	Assessment of Volatile Components, Free Radical-Scavenging Capacity and Anti-Microbial Activity of Lemon Verbena Leaves. <i>Research Journal of Phytochemistry</i> , 2008 , 2, 84-92	1	6
3	Effect of Azospirillum and Azotobacter Species on the Performance of Cherry Tomato under Different Salinity Levels. <i>Gesunde Pflanzen</i> , 1	1.9	2
2	Ascorbic Acid Enhances Growth and Yield of Sweet Peppers (<i>Capsicum annum</i>) by Mitigating Salinity Stress. <i>Gesunde Pflanzen</i> , 1	1.9	8
1	Production and antioxidant activity of secondary metabolites in Hassawi rice (<i>Oryza sativa</i> L.) cell suspension under salicylic acid, yeast extract, and pectin elicitation. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1	2.3	2