

Hosam O Elansary

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.

116
papers

1,422
citations

23
h-index

32
g-index

138
ext. papers

1,938
ext. citations

3.6
avg, IF

5.4
L-index

#	Paper	IF	Citations
116	Investigation of the Biological Applications of Biosynthesized Nickel Oxide Nanoparticles Mediated by <i>Buxus wallichiana</i> Extract. <i>Crystals</i> , 2022 , 12, 146	2.3	1
115	Development of instant paneer type product from groundnut using microwave dehydration.. <i>Food Science and Nutrition</i> , 2022 , 10, 1520-1526	3.2	
114	Insight into the exemplary structural, elastic, electronic and optical nature of GaBeCl and InBeCl: a DFT study.. <i>RSC Advances</i> , 2022 , 12, 8172-8177	3.7	1
113	The Impact of Bio-Stimulants on Cd-Stressed Wheat (L.): Insights Into Growth, Chlorophyll Fluorescence, Cd Accumulation, and Osmolyte Regulation.. <i>Frontiers in Plant Science</i> , 2022 , 13, 850567	6.2	1
112	Ethnobotanical inventory and medicinal perspectives of herbal flora of Shiwalik mountainous range of District Bhimber, Azad Jammu and Kashmir, Pakistan.. <i>PLoS ONE</i> , 2022 , 17, e0265028	3.7	1
111	Biochemical and Anti-proliferative activities of seven abundant tropical red seaweeds confirm nutraceutical potential of <i>Grateloupia indica</i> . <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103868	5.9	0
110	Climate Change-Induced Drought Impacts, Adaptation and Mitigation Measures in Semi-Arid Pastoral and Agricultural Watersheds. <i>Sustainability</i> , 2022 , 14, 6	3.6	3
109	Time, Mediated through Plant Versatility, Is a Better Predictor of Medicinal Status of Alien Plants. <i>Diversity</i> , 2022 , 14, 286	2.5	0
108	Seed Priming with Iron Oxide Nanoparticles Raises Biomass Production and Agronomic Profile of Water-Stressed Flax Plants. <i>Agronomy</i> , 2022 , 12, 982	3.6	4
107	Preservation and Recovery of Metal-Tolerant Fungi from Industrial Soil and Their Application to Improve Germination and Growth of Wheat. <i>Sustainability</i> , 2022 , 14, 5531	3.6	
106	Spatial distribution and identification of potential risk regions to rice blast disease in different rice ecosystems of Karnataka.. <i>Scientific Reports</i> , 2022 , 12, 7403	4.9	3
105	Antimicrobial activities of different solvent extracts from stem and seeds of <i>Peganum Harmala</i> L.. <i>PLoS ONE</i> , 2022 , 17, e0265206	3.7	1
104	Management of Green Mold Disease in White Button Mushroom (<i>Agaricus bisporus</i>) and Its Yield Improvement. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 554	5.6	0
103	Phytochemical Screening, Antioxidant and Antifungal Activities of <i>Aconitum chasmanthum</i> Stapf ex Holmes Wild Rhizome Extracts. <i>Antioxidants</i> , 2022 , 11, 1052	7.1	1
102	Alien woody plants are more versatile than native, but both share similar therapeutic redundancy in South Africa. <i>PLoS ONE</i> , 2021 , 16, e0260390	3.7	1
101	Impact of Elevated CO ₂ and Temperature on Growth, Development and Nutrient Uptake of Tomato. <i>Horticulturae</i> , 2021 , 7, 509	2.5	2
100	The Effect of Organic, Inorganic Fertilizers and Their Combinations on Fruit Quality Parameters in Strawberry. <i>Horticulturae</i> , 2021 , 7, 354	2.5	9

99	Antioxidant, Scavenging, Reducing, and Anti-Proliferative Activities of Selected Tropical Brown Seaweeds Confirm the Nutraceutical Potential of. <i>Foods</i> , 2021 , 10,	4.9	3
98	Elucidating Traditional Rice Varieties for Consilient Biotic and Abiotic Stress Management under Changing Climate with Landscape-Level Rice Biodiversity. <i>Land</i> , 2021 , 10, 1058	3.5	3
97	Integrated Effect of Deficit Irrigation and Sowing Methods on Weed Dynamics and System Productivity of Maize-Cowpea Sequence on Vertisols. <i>Agronomy</i> , 2021 , 11, 808	3.6	1
96	Protected Cultivation of Horticultural Crops in Uttarakhand: An Economic Analysis. <i>Agronomy</i> , 2021 , 11, 692	3.6	0
95	Microbial Biomass Carbon, Activity of Soil Enzymes, Nutrient Availability, Root Growth, and Total Biomass Production in Wheat Cultivars under Variable Irrigation and Nutrient Management. <i>Agronomy</i> , 2021 , 11, 669	3.6	3
94	Application of homobrassinolide enhances growth, yield and quality of tomato. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 4800-4806	4	2
93	Assessment of Planting Method and Deficit Irrigation Impacts on Physio-Morphology, Grain Yield and Water Use Efficiency of Maize (L.) on Vertisols of Semi-Arid Tropics. <i>Plants</i> , 2021 , 10,	4.5	4
92	Crosstalk of Multi-Omics Platforms with Plants of Therapeutic Importance. <i>Cells</i> , 2021 , 10,	7.9	7
91	A Framework for Identification of Stable Genotypes Based on MTSI and MGDII Indexes: An Example in Guar (<i>Cyamopsis tetragonoloba</i> L.). <i>Agronomy</i> , 2021 , 11, 1221	3.6	5
90	Productivity of Paddies as Influenced by Varied Rates of Recommended Nutrients in Conjunction with Biofertilizers in Local Landraces. <i>Agronomy</i> , 2021 , 11, 1165	3.6	2
89	Influence of sowing windows and genotypes on growth, radiation interception, conversion efficiency and yield of guar. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 3453-3460	4	1
88	Morphological and Biochemical Diversity in Fruits of Unsprayed <i>Rosa canina</i> and <i>Rosa dumalis</i> Ecotypes Found in Different Agroecological Conditions. <i>Sustainability</i> , 2021 , 13, 8060	3.6	2
87	Influence of Planting and Irrigation Levels as Physical Methods on Maize Root Morphological Traits, Grain Yield and Water Productivity in Semi-Arid Region. <i>Agronomy</i> , 2021 , 11, 294	3.6	5
86	In Vitro Cultures of Some Medicinal Plant Species (□, , and) as a Rich Potential Source of Antioxidants-Evaluation by CUPRAC and QUENCHER-CUPRAC Assays. <i>Plants</i> , 2021 , 10,	4.5	5
85	Morphological Characterization, Variability and Diversity among Vegetable Soybean (L.) Genotypes. <i>Plants</i> , 2021 , 10,	4.5	5
84	Domestication for Improving Salt Tolerance in Crops. <i>Frontiers in Plant Science</i> , 2021 , 12, 681367	6.2	4
83	Husk Cherry: Nutritional attributes, bioactive compounds and technological applications. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103402	5.9	3
82	Differential Accumulation of Metabolites in Suaeda Species Provides New Insights into Abiotic Stress Tolerance in C4-Halophytic Species in Elevated CO2 Conditions. <i>Agronomy</i> , 2021 , 11, 131	3.6	6

81	Assessing the Impact of Higher Levels of CO and Temperature and Their Interactions on Tomato (L.). <i>Plants</i> , 2021 , 10,	4.5	3
80	Effects of different surface and subsurface drip irrigation levels on growth traits, tuber yield, and irrigation water use efficiency of potato crop. <i>Irrigation Science</i> , 2021 , 39, 517-533	3.1	4
79	In Vitro Propagation of Aconitum chasmanthum Stapf Ex Holmes: An Endemic and Critically Endangered Plant Species of the Western Himalaya. <i>Horticulturae</i> , 2021 , 7, 586	2.5	2
78	Colloidal Silver Hydrogen Peroxide: New Generation Molecule for Management of Phytopathogens. <i>Horticulturae</i> , 2021 , 7, 573	2.5	
77	Secondary Metabolite Profiling, Anti-Inflammatory and Hepatoprotective Activity of (Vahl) Benth. <i>Molecules</i> , 2021 , 26,	4.8	1
76	Weather-Based Neural Network, Stepwise Linear and Sparse Regression Approach for Rabi Sorghum Yield Forecasting of Karnataka, India. <i>Agronomy</i> , 2020 , 10, 1645	3.6	3
75	Antidiabetic and Antilipidemic Activity of Root Extracts of Salacia oblonga against Streptozotocin-Induced Diabetes in Wistar Rats. <i>Processes</i> , 2020 , 8, 301	2.9	1
74	Polyphenol Content and Biological Activities of Ruta graveolens L. and Artemisia abrotanum L. in Northern Saudi Arabia. <i>Processes</i> , 2020 , 8, 531	2.9	5
73	Malus baccata var. gracilis and Malus toringoides Bark Polyphenol Studies and Antioxidant, Antimicrobial and Anticancer Activities. <i>Processes</i> , 2020 , 8, 283	2.9	9
72	Physiological and molecular characterization of water-stressed Chrysanthemum under robinin and chitosan treatment. <i>Acta Physiologiae Plantarum</i> , 2020 , 42, 1	2.6	5
71	Mass Spectral Fragmentation of Pelargonium graveolens Essential Oil Using GCMS Semi-Empirical Calculations and Biological Potential. <i>Processes</i> , 2020 , 8, 128	2.9	10
70	Elevated Bioactivity of Ruta graveolens against Cancer Cells and Microbes Using Seaweeds. <i>Processes</i> , 2020 , 8, 75	2.9	5
69	BM1 Enhances Cadmium Stress Tolerance and Phytoremediation Potential of Soybean Through Modulation of Osmolytes, Leaf Gas Exchange, Antioxidant Machinery, and Stress-Responsive Genes Expression. <i>Antioxidants</i> , 2020 , 9,	7.1	53
68	Antiproliferative, Antimicrobial, and Antifungal Activities of Polyphenol Extracts from Ferocactus Species. <i>Processes</i> , 2020 , 8, 138	2.9	9
67	Polyphenol Profile and Antimicrobial and Cytotoxic Activities of Natural Mentha piperita and Mentha longifolia Populations in Northern Saudi Arabia. <i>Processes</i> , 2020 , 8, 479	2.9	11
66	Role of Integrated Nutrient Management and Agronomic Fortification of Zinc on Yield, Nutrient Uptake and Quality of Wheat. <i>Sustainability</i> , 2020 , 12, 3513	3.6	10
65	Saudi Rosmarinus officinalis and Ocimum basilicum L. Polyphenols and Biological Activities. <i>Processes</i> , 2020 , 8, 446	2.9	7
64	Standardizing the Hydrogel Application Rates and Foliar Nutrition for Enhancing Yield of Lentil (Lens culinaris). <i>Processes</i> , 2020 , 8, 420	2.9	3

63	Tree Bark Phenols Regulate the Physiological and Biochemical Performance of Gladiolus Flowers. <i>Processes</i> , 2020 , 8, 71	2.9	8
62	Treatment of Sweet Pepper with Stress Tolerance-Inducing Compounds Alleviates Salinity Stress Oxidative Damage by Mediating the Physio-Biochemical Activities and Antioxidant Systems. <i>Agronomy</i> , 2020 , 10, 26	3.6	71
61	Effects of Water Stress and Modern Biostimulants on Growth and Quality Characteristics of Mint. <i>Agronomy</i> , 2020 , 10, 6	3.6	14
60	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters. <i>PLoS ONE</i> , 2020 , 15, e0239314	3.7	4
59	Residue and Potassium Management Strategies to Improve Crop Productivity, Potassium Mobilization, and Assimilation under Zero-Till MaizeWheat Cropping System. <i>Agriculture (Switzerland)</i> , 2020 , 10, 401	3	6
58	Genome wide in-silico miRNA and target network prediction from stress responsive Horsegram (<i>Macrotyloma uniflorum</i>) accessions. <i>Scientific Reports</i> , 2020 , 10, 17203	4.9	6
57	Response of Drip Irrigation and Fertigation on Cumin Yield, Quality, and Water-Use Efficiency Grown under Arid Climatic Conditions. <i>Agronomy</i> , 2020 , 10, 1711	3.6	0
56	Antioxidant and Biological Activities of and Natural Populations. <i>Plants</i> , 2020 , 9,	4.5	8
55	Assessment of Sustainability and Priorities for Development of Indian West Coast Region: An Application of Sustainable Livelihood Security Indicators. <i>Sustainability</i> , 2020 , 12, 8716	3.6	4
54	L-Importance in the History of Medicine, the Latest Advances in Phytochemistry and Therapeutical, Cosmetological and Culinary Uses. <i>Plants</i> , 2020 , 9,	4.5	15
53	Polyphenols of and Leaves and Associated Biological Activities. <i>Plants</i> , 2020 , 9,	4.5	5
52	Energy Budgeting, Data Envelopment Analysis and Greenhouse Gas Emission from Rice Production System: A Case Study from Puddled Transplanted Rice and Direct-Seeded Rice System of Karnataka, India. <i>Sustainability</i> , 2020 , 12, 6439	3.6	17
51	Production of Verbascoside, Isoverbascoside and Phenolic Acids in Callus, Suspension, and Bioreactor Cultures of and Biological Properties of Biomass Extracts. <i>Molecules</i> , 2020 , 25,	4.8	8
50	Hydraulic performance of labyrinth-channel emitters: experimental study, ANN, and GEP modeling. <i>Irrigation Science</i> , 2020 , 38, 1-16	3.1	5
49	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters 2020 , 15, e0239314		
48	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters 2020 , 15, e0239314		
47	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters 2020 , 15, e0239314		
46	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters 2020 , 15, e0239314		

45	Evaluation of the effect of inner and outer bark extracts of sugar maple (<i>Acer saccharum</i> var. <i>saccharum</i>) in combination with citric acid against the growth of three common molds. <i>Journal of Wood Chemistry and Technology</i> , 2019 , 39, 136-147	2	38
44	Phenolic Compounds of , , and have Antioxidant and Anticancer Activity. <i>Molecules</i> , 2019 , 24,	4.8	26
43	Omeprazole alleviates water stress in peppermint and modulates the expression of menthol biosynthesis genes. <i>Plant Physiology and Biochemistry</i> , 2019 , 139, 578-586	5.4	7
42	Crepe Brulee and Mahogany Medicinal Value under Water Stress and Oligosaccharide (COS) Treatment. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 4242359	2.3	3
41	Species-Polyphenols Studies and Anti-Cancer, Anti-Oxidant, and Anti-Bacterial Activities. <i>Molecules</i> , 2019 , 25,	4.8	12
40	Polyphenol Profile and Pharmaceutical Potential of <i>Quercus</i> spp. Bark Extracts. <i>Plants</i> , 2019 , 8,	4.5	30
39	5-Aminolevulinic Acid and Soil Fertility Enhance the Resistance of Rosemary to and and Modulate Plant Biochemistry. <i>Plants</i> , 2019 , 8,	4.5	5
38	Bioactivity of essential oils extracted from <i>Cupressus macrocarpa</i> branchlets and <i>Corymbia citriodora</i> leaves grown in Egypt. <i>BMC Complementary and Alternative Medicine</i> , 2018 , 18, 23	4.7	35
37	Effective antioxidant, antimicrobial and anticancer activities of essential oils of horticultural aromatic crops in northern Egypt. <i>BMC Complementary and Alternative Medicine</i> , 2018 , 18, 214	4.7	31
36	Synergetic effects of 5-aminolevulinic acid and <i>Ascophyllum nodosum</i> seaweed extracts on <i>Asparagus</i> phenolics and stress related genes under saline irrigation. <i>Plant Physiology and Biochemistry</i> , 2018 , 129, 273-284	5.4	29
35	Bioactivities of Traditional Medicinal Plants in Alexandria. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 1463579	2.3	44
34	Ethnobotany at a local scale: diversity of knowledge of medicinal plants and assessment of plant cultural importance in the Polokwane local municipality, South Africa. <i>Botany Letters</i> , 2017 , 164, 93-102	1.1	6
33	Green roof <i>Petunia</i> , <i>Ageratum</i> , and <i>Mentha</i> responses to water stress, seaweeds, and trinezapac-ethyl treatments. <i>Acta Physiologiae Plantarum</i> , 2017 , 39, 1	2.6	9
32	Biological activity and safety profile of the essential oil from fruits of <i>Heracleum mantegazzianum</i> Sommier & Levier (Apiaceae). <i>Food and Chemical Toxicology</i> , 2017 , 109, 820-826	4.7	11
31	Medicinal and biological values of <i>Callistemon viminalis</i> extracts: History, current situation and prospects. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017 , 10, 229-237	2.1	26
30	Integrating biogeography, threat and evolutionary data to explore extinction crisis in the taxonomic group of cycads. <i>Ecology and Evolution</i> , 2017 , 7, 2735-2746	2.8	24
29	In vitro antibacterial, antifungal and antioxidant activities of <i>Eucalyptus</i> spp. leaf extracts related to phenolic composition. <i>Natural Product Research</i> , 2017 , 31, 2927-2930	2.3	34
28	Genetic Transformation and Hairy Root Induction Enhance the Antioxidant Potential of <i>L. Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5604746	6.7	40

27	Metabolic Profile of and Antimicrobial Activity in the Aerial Part of V.I. Krecz. et Kuprian. from Kazakhstan. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1700-1705	1.7	6
26	The first initiative of DNA barcoding of ornamental plants from Egypt and potential applications in horticulture industry. <i>PLoS ONE</i> , 2017 , 12, e0172170	3.7	12
25	Salicylic Acid-Regulated Antioxidant Mechanisms and Gene Expression Enhance Rosemary Performance under Saline Conditions. <i>Frontiers in Physiology</i> , 2017 , 8, 716	4.6	81
24	Seaweed Extracts Enhance Salam Turfgrass Performance during Prolonged Irrigation Intervals and Saline Shock. <i>Frontiers in Plant Science</i> , 2017 , 8, 830	6.2	61
23	Assessing the phylogenetic dimension of Australian Acacia species introduced outside their native ranges. <i>Botany Letters</i> , 2016 , 1-7	1.1	3
22	In vitro antioxidant, antifungal and antibacterial activities of five international Calibrachoa cultivars. <i>Natural Product Research</i> , 2016 , 30, 1339-42	2.3	7
21	In vitro Bioactivity and Antimicrobial Activity of Picea abies and Larix decidua Wood and Bark Extracts. <i>BioResources</i> , 2016 , 11,	1.3	35
20	In vitro Antioxidant and Antimicrobial Effects of Ceratostigma plumbaginoides. <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601101	0.9	3
19	Enhancing stress growth traits as well as phytochemical and antioxidant contents of Spiraea and Pittosporum under seaweed extract treatments. <i>Plant Physiology and Biochemistry</i> , 2016 , 105, 310-320	5.4	60
18	Enhancement of Calibrachoa growth, secondary metabolites and bioactivity using seaweed extracts. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 341	4.7	23
17	Enhancing mint and basil oil composition and antibacterial activity using seaweed extracts. <i>Industrial Crops and Products</i> , 2016 , 92, 50-56	5.9	45
16	In vitro Antioxidant and Antimicrobial Effects of Ceratostigma plumbaginoides. <i>Natural Product Communications</i> , 2016 , 11, 1455-1458	0.9	6
15	Antifungal, antibacterial and anticancer activities of Ficus drupacea L. stem bark extract and biologically active isolated compounds. <i>Industrial Crops and Products</i> , 2015 , 74, 752-758	5.9	27
14	In vitro antioxidant and antiproliferative activities of six international basil cultivars. <i>Natural Product Research</i> , 2015 , 29, 2149-54	2.3	30
13	Morphological and physiological responses and drought resistance enhancement of ornamental shrubs by trinexapac-ethyl application. <i>Scientia Horticulturae</i> , 2015 , 189, 1-11	4.1	20
12	Basil morphological and physiological performance under trinexapac-ethyl foliar sprays and prolonged irrigation intervals. <i>Acta Physiologiae Plantarum</i> , 2015 , 37, 1	2.6	6
11	Growth regulators and mowing heights enhance the morphological and physiological performance of Seaspray turfgrass during drought conditions. <i>Acta Physiologiae Plantarum</i> , 2015 , 37, 1	2.6	9
10	Diversity of Plants, Traditional Knowledge, and Practices in Local Cosmetics: A Case Study from Alexandria, Egypt. <i>Economic Botany</i> , 2015 , 69, 114-126	1.7	16

9	Chemical Diversity and Antioxidant Capacity of Essential Oils of Marjoram in Northwest Egypt. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2015 , 18, 917-924	1.7	4
8	Basil cultivar identification using chemotyping still favored over genotyping using core barcodes and possible resources of antioxidants. <i>Journal of Essential Oil Research</i> , 2015 , 27, 82-87	2.3	23
7	Egyptian herbal tea infusions antioxidants and their antiproliferative and cytotoxic activities against cancer cells. <i>Natural Product Research</i> , 2015 , 29, 474-9	2.3	32
6	Chemotyping of diverse Eucalyptus species grown in Egypt and antioxidant and antibacterial activities of its respective essential oils. <i>Natural Product Research</i> , 2015 , 29, 681-5	2.3	30
5	Towards a DNA barcode library for Egyptian flora, with a preliminary focus on ornamental trees and shrubs of two major gardens. <i>DNA Barcodes</i> , 2013 , 1,		5
4	Essential Oils of Mint between Benefits and Hazards. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2013 , 16, 429-438	1.7	23
3	Chemical Composition, Antibacterial and Antioxidant Activities of Leaves Essential Oils from <i>Syzygium cumini</i> L., <i>Cupressus sempervirens</i> L. and <i>Lantana camara</i> L. from Egypt. <i>Journal of Agricultural Science</i> , 2012 , 4,	1	7
2	Uniformity of organellar DNA in <i>Aldrovanda vesiculosa</i> , an endangered aquatic carnivorous species, distributed across four continents. <i>Aquatic Botany</i> , 2010 , 92, 214-220	1.8	19
1	Transcription profiles of mitochondrial genes correlate with mitochondrial DNA haplotypes in a natural population of <i>Silene vulgaris</i> . <i>BMC Plant Biology</i> , 2010 , 10, 11	5.3	11