

# Mohamed Hi

## List of Publications by Year in descending order

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64  
papers

2,382  
citations

168829

31  
h-index

263392

45  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inoculation with <i>Lysinibacillus fusiformis</i> Strain YJ4 and <i>Lysinibacillus sphaericus</i> Strain YJ5 Alleviates the Effects of Cold Stress in Maize Plants. <i>Gesunde Pflanzen</i> , 2023, 75, 77-95.	1.7	21
2	Plant-mediated copper nanoparticles for agri-ecosystem applications. , 2022, , 79-120.		4
3	Effect of biosorptive removal of cadmium ions from hydroponic solution containing indigenous garlic peel and mercerized garlic peel on lettuce productivity. <i>Scientia Horticulturae</i> , 2022, 293, 110727.	1.7	40
4	Potential Efficacy of Biofilm-Forming Biosurfactant <i>Bacillus firmus</i> HussainT-Lab.66 Against <i>Rhizoctonia solani</i> and Mass Spectrometry Analysis of its Metabolites. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	0.9	10
5	Ascorbic Acid Enhances Growth and Yield of Sweet Peppers ( <i>Capsicum Annum</i> ) by Mitigating Salinity Stress. <i>Gesunde Pflanzen</i> , 2022, 74, 423-433.	1.7	30
6	Management of root-knot nematode infection by using fly ash and <i>Trichoderma harzianum</i> in <i>Capsicum annum</i> plants by modulating growth, yield, photosynthetic pigments, biochemical substances, and secondary metabolite profiles. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022, 50, 12591.	0.5	11
7	Appraisal of kinetin spraying strategy to alleviate the harmful effects of LVC stress on tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52378-52398.	2.7	20
8	A polishing the harmful effects of Broad Bean Mottle Virus infecting broad bean plants by enhancing the immunity using different potassium concentrations. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022, 50, 12654.	0.5	16
9	Calcium and iron nanoparticles: A positive modulator of innate immune responses in strawberry against <i>Botrytis cinerea</i> . <i>Process Biochemistry</i> , 2022, 115, 128-145.	1.8	20
10	Pathogenicity of <i>Bacillus</i> Strains to Cotton Seedlings and Their Effects on Some Biochemical Components of the Infected Seedlings. <i>Plant Pathology Journal</i> , 2022, 38, 90-101.	0.7	9
11	Coal fly ash and nitrogen application as eco-friendly approaches for modulating the growth, yield, and biochemical constituents of radish plants. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103306.	1.8	4
12	Plant Secondary Metabolites as a Tool to Investigate Biotic Stress Tolerance in Plants: A Review. <i>Gesunde Pflanzen</i> , 2022, 74, 771-790.	1.7	28
13	Biological Activities of Grape Seed By-Products and Their Potential Use as Natural Sources of Food Additives in the Production of Balady Bread. <i>Foods</i> , 2022, 11, 1948.	1.9	18
14	Physical Characteristics, Mineral Content, and Antioxidant and Antibacterial Activities of <i>Punica granatum</i> or <i>Citrus sinensis</i> Peel Extracts and Their Applications to Improve Cake Quality. <i>Plants</i> , 2022, 11, 1740.	1.6	19
15	Hydrogen Sulfide Modulates Salinity Stress in Common Bean Plants by Maintaining Osmolytes and Regulating Nitric Oxide Levels and Antioxidant Enzyme Expression. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3708-3726.	1.7	32
16	Comparative Cultivation and Biochemical Analysis of Iceberg Lettuce Grown in Sand Soil and Hydroponics With or Without Microbubbles and Macrobubbles. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 389-403.	1.7	46
17	Evaluation of wheat ( <i>Triticum aestivum</i> L.) salt stress tolerance using physiological parameters and retrotransposon-based markers. <i>Genetic Resources and Crop Evolution</i> , 2021, 68, 227-242.	0.8	59
18	Role of Microorganisms in Managing Soil Fertility and Plant Nutrition in Sustainable Agriculture. , 2021, , 93-114.		0

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19	Comparative Effectiveness of Potential Elicitors of Soybean Plant Resistance Against <i>Spodoptera littoralis</i> and Their Effects on Secondary Metabolites and Antioxidant Defense System. <i>Gesunde Pflanzen</i> , 2021, 73, 273-285.	1.7	7
20	Impact of the low and high concentrations of fly ash amended soil on growth, physiological response, and yield of pumpkin ( <i>Cucurbita moschata</i> Duch. Ex Poiret L.). <i>Environmental Science and Pollution Research</i> , 2021, 28, 17068-17083.	2.7	44
21	Molecular Characterization of the Alfalfa mosaic virus Infecting <i>Solanum melongena</i> in Egypt and the Control of Its Deleterious Effects with Melatonin and Salicylic Acid. <i>Plants</i> , 2021, 10, 459.	1.6	54
22	Comparative studies of eco-friendly compounds like humic acid, salicylic, and glycyrrhizic acids and their nanocomposites on French basil ( <i>Ocimum basilicum</i> L. cv. Grand verde). <i>Environmental Science and Pollution Research</i> , 2021, 28, 47196-47212.	2.7	15
23	Gibberellic Acid and Boron Enhance Antioxidant Activity, Phenolic Content, and Yield Quality in <i>Pyrus communis</i> L. <i>Gesunde Pflanzen</i> , 2021, 73, 395-406.	1.7	13
24	Coupling effects of phosphorus fertilization source and rate on growth and ion accumulation of common bean under salinity stress. <i>PeerJ</i> , 2021, 9, e11463.	0.9	24
25	Biosorption effect of <i>Aspergillus niger</i> and <i>Penicillium chrysosporium</i> for Cd- and Pb-contaminated soil and their physiological effects on <i>Vicia faba</i> L. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67608-67631.	2.7	51
26	Changes in Growth, Yield, Photosynthetic Pigments, Biochemical Substances, Oxidative Damage, and Antioxidant Activities Induced by Treatment with Different pH of Artificial acid rain in Pumpkin ( <i>Cucurbita Moschata</i> ). <i>Gesunde Pflanzen</i> , 2021, 73, 623-637.	1.7	4
27	Microbe-assisted phytoremediation of environmental pollutants and energy recycling in sustainable agriculture. <i>Archives of Microbiology</i> , 2021, 203, 5859-5885.	1.0	23
28	Agro-morphological and genetic diversity studies in Rice ( <i>Oryza sativa</i> L.) germplasm using microsatellite markers. <i>Molecular Biology Reports</i> , 2021, 48, 7179-7192.	1.0	4
29	Effects of organic and inorganic fertilization with bio-inoculants on the sustainable management of plant-parasitic nematodes infesting okra ( <i>Abelmoschus esculentus</i> ). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12544.	0.5	2
30	Effect of Salicylic Acid and Salinity Stress on the Performance of Tomato Plants. <i>Gesunde Pflanzen</i> , 2020, 72, 393-402.	1.7	56
31	Minimizing Adverse Effects of Pb on Maize Plants by Combined Treatment with Jasmonic, Salicylic Acids and Proline. <i>Agronomy</i> , 2020, 10, 699.	1.3	104
32	Improving Regulation of Enzymatic and Non-Enzymatic Antioxidants and Stress-Related Gene Stimulation in Cucumber mosaic cucumovirus-Infected Cucumber Plants Treated with Glycine Betaine, Chitosan and Combination. <i>Molecules</i> , 2020, 25, 2341.	1.7	70
33	Salicylic Acid Stimulates Antioxidant Defense and Osmolyte Metabolism to Alleviate Oxidative Stress in Watermelons under Excess Boron. <i>Plants</i> , 2020, 9, 724.	1.6	77
34	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.	1.6	69
35	Control of Cotton Seedling Damping-off by Treating Seed with Inorganic Salts. <i>Gesunde Pflanzen</i> , 2020, 72, 273-283.	1.7	10
36	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, 1702.	1.7	106

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37	Physiological and Biochemical Effects of Heat Shock Stress and Determination of Molecular Markers Related to Heat Tolerance in Maize Hybrids. <i>Gesunde Pflanzen</i> , 2019, 71, 213-222.	1.7	14
38	Chemical Composition and Biological Activity of <i>Physalis peruviana</i> L.. <i>Gesunde Pflanzen</i> , 2019, 71, 113-122.	1.7	72
39	X-ray irradiation changes germination and biochemical analysis of two genotypes of okra ( <i>Hibiscus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 0.7 18	0.7	18
40	Ameliorative effects of calcium nitrate and humic acid on the growth, yield component and biochemical attribute of pepper ( <i>Capsicum annuum</i> ) plants grown under salt stress. <i>Scientia Horticulturae</i> , 2018, 236, 244-250.	1.7	94
41	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.	0.5	32
42	Evaluation of Water Stress Tolerance of Soybean Using Physiological Parameters and Retrotransposon-Based Markers. <i>Gesunde Pflanzen</i> , 2018, 70, 205-215.	1.7	20
43	Physiological and molecular genetic studies on two elicitors for improving the tolerance of six Egyptian soybean cultivars to cotton leaf worm. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 224-234.	2.8	44
44	Changes in antioxidants potential, secondary metabolites and plant hormones induced by different fungicides treatment in cotton plants. <i>Pesticide Biochemistry and Physiology</i> , 2017, 142, 117-122.	1.6	60
45	Improvement of drought tolerance of soybean plants by using methyl jasmonate. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 545-556.	1.4	115
46	Physiological role of exogenous nitric oxide in improving performance, yield and some biochemical aspects of sunflower plant under zinc stress. <i>Acta Biologica Hungarica</i> , 2017, 68, 101-114.	0.7	46
47	Physiological and Biochemical Responses of <i>Vicia Faba</i> Plants to Foliar Application of Zinc and Iron. <i>Gesunde Pflanzen</i> , 2016, 68, 201-212.	1.7	46
48	Influence of Nitric Oxide Application on Some Biochemical Aspects, Endogenous Hormones, Minerals and Phenolic Compounds of <i>Vicia faba</i> Plant Grown under Arsenic Stress. <i>Gesunde Pflanzen</i> , 2016, 68, 99-107.	1.7	49
49	Biochemical and Ultrastructural Changes of Some Tomato Cultivars after Infestation with <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae) at Qalyubiyah, Egypt. <i>Gesunde Pflanzen</i> , 2016, 68, 41-50.	1.7	43
50	Use of antigenic composition to differentiate among <i>Rhizoctonia solani</i> isolates from flax. <i>Bangladesh Journal of Botany</i> , 2015, 44, 415-421.	0.2	0
51	Use of phenols, peroxidase, and polyphenoloxidase of seed to quantify resistance of cotton genotypes to <i>Fusarium</i> wilt disease. <i>Bangladesh Journal of Botany</i> , 2015, 43, 353-357.	0.2	4
52	Molecular and biochemical markers of some <i>Vicia faba</i> L. genotypes in response to storage insect pests infestation. <i>Journal of Plant Interactions</i> , 2014, 9, 618-626.	1.0	32
53	Application of benzothiadiazole and <i>Trichoderma harzianum</i> to control faba bean chocolate spot disease and their effect on some physiological and biochemical traits. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 343-354.	1.0	45
54	Suppression of Powdery Mildew on Flax by Foliar Application of Essential Oils. <i>Journal of Phytopathology</i> , 2013, 161, 376-381.	0.5	41

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55	Physiological and Biochemical Effects of $\gamma$ -Irradiation on Cowpea Plants ( <i>Vigna sinensis</i> ) under Salt Stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013, 41, 104.	0.5	38
56	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.	0.5	48
57	Reactive Oxygen Species, Lipid Peroxidation and Antioxidative Defense Mechanism. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013, 41, 44.	0.5	104
58	Induction of defence related enzymes and phenolic compounds in lupin ( <i>Lupinus albus</i> L.) and their effects on host resistance against <i>Fusarium</i> wilt. <i>European Journal of Plant Pathology</i> , 2012, 134, 105-116.	0.8	42
59	Brassinolide alleviates salt stress and increases antioxidant activity of cowpea plants ( <i>Vigna sinensis</i> ). <i>Protoplasma</i> , 2012, 249, 625-635.	1.0	111
60	Examination of Correlations Between Several Biochemical Components and Powdery Mildew Resistance of Flax Cultivars. <i>Plant Pathology Journal</i> , 2012, 28, 149-155.	0.7	43
61	Alleviation of adverse effects of drought stress on common bean ( <i>Phaseolus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 2011, 40, 75-83.	0.2	34
62	Molecular and Biochemical Studies on the Effect of Gamma Rays on Lead Toxicity in Cowpea ( <i>Vigna</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1.9	1.9	42
63	Callus Induction, Proliferation, Enhanced Secondary Metabolites Production and Antioxidants Activity of <i>Salvia moorcroftiana</i> L. as Influenced by Combinations of Auxin, Cytokinin and Melatonin. <i>Brazilian Archives of Biology and Technology</i> , 0, 65, .	0.5	11
64	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> , 0, , 1.	0.9	14