

# M Naeem

## List of Publications by Year in descending order

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75  
papers

2,340  
citations

201385

27  
h-index

233125

45  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium chloride and gibberellic acid protect linseed ( <i>Linum usitatissimum</i> L.) from NaCl stress by inducing antioxidative defence system and osmoprotectant accumulation. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 121-132.	1.0	194
2	Interactive role of nitric oxide and calcium chloride in enhancing tolerance to salt stress. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 210-218.	1.2	177
3	Salicylic acid-induced physiological and biochemical changes in lemongrass varieties under water stress. <i>Journal of Plant Interactions</i> , 2010, 5, 293-303.	1.0	109
4	Role of Salicylic Acid in Promoting Salt Stress Tolerance and Enhanced Artemisinin Production in <i>Artemisia annua</i> L.. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 425-435.	2.8	108
5	Salicylic acid mitigates salinity stress by improving antioxidant defence system and enhances vincristine and vinblastine alkaloids production in periwinkle [ <i>Catharanthus roseus</i> (L.) G. Don]. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 987-999.	1.0	103
6	Methyl jasmonate counteracts boron toxicity by preventing oxidative stress and regulating antioxidant enzyme activities and artemisinin biosynthesis in <i>Artemisia annua</i> L.. <i>Protoplasma</i> , 2011, 248, 601-612.	1.0	79
7	Stimulation of crop productivity, photosynthesis and artemisinin production in <i>Artemisia annua</i> L. by triacontanol and gibberellic acid application. <i>Journal of Plant Interactions</i> , 2010, 5, 273-281.	1.0	78
8	Triacontanol: a potent plant growth regulator in agriculture. <i>Journal of Plant Interactions</i> , 2012, 7, 129-142.	1.0	73
9	Boron Induced Oxidative Stress, Antioxidant Defence Response and Changes in Artemisinin Content in <i>Artemisia annua</i> L.. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 423-430.	1.7	68
10	Salicylic acid acts as potent enhancer of growth, photosynthesis and artemisinin production in <i>Artemisia annua</i> L.. <i>Journal of Crop Science and Biotechnology</i> , 2010, 13, 183-188.	0.7	66
11	Enhancing the growth, photosynthetic capacity and artemisinin content in <i>Artemisia annua</i> L. by irradiated sodium alginate. <i>Radiation Physics and Chemistry</i> , 2011, 80, 833-836.	1.4	65
12	Influence of alginate oligosaccharides on growth, yield and alkaloid production of opium poppy ( <i>Papaver somniferum</i> L.). <i>Frontiers of Agriculture in China</i> , 2011, 5, 122-127.	0.2	60
13	Exogenous nitric oxide donor protects <i>Artemisia annua</i> from oxidative stress generated by boron and aluminium toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 60-68.	2.9	60
14	Depolymerised carrageenan enhances physiological activities and menthol production in <i>Mentha arvensis</i> L.. <i>Carbohydrate Polymers</i> , 2012, 87, 1211-1218.	5.1	55
15	Triacontanol stimulates nitrogen-fixation, enzyme activities, photosynthesis, crop productivity and quality of hyacinth bean ( <i>Lablab purpureus</i> L.). <i>Scientia Horticulturae</i> , 2009, 121, 389-396.	1.7	49
16	Salicylic acid restrains nickel toxicity, improves antioxidant defence system and enhances the production of anticancer alkaloids in <i>Catharanthus roseus</i> (L.). <i>Journal of Hazardous Materials</i> , 2013, 252-253, 367-374.	6.5	49
17	Alleviation of salt stress in lemongrass by salicylic acid. <i>Protoplasma</i> , 2012, 249, 709-720.	1.0	48
18	Triacontanol-mediated regulation of growth and other physiological attributes, active constituents and yield of <i>Mentha arvensis</i> L.. <i>Plant Growth Regulation</i> , 2011, 65, 195-206.	1.8	44

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19	Radiolytically depolymerized sodium alginate improves physiological activities, yield attributes and composition of essential oil of <i>Eucalyptus citriodora</i> Hook. <i>Carbohydrate Polymers</i> , 2014, 112, 134-144.	5.1	36
20	Exogenous abscisic acid mediates ROS homeostasis and maintains glandular trichome to enhance artemisinin biosynthesis in <i>Artemisia annua</i> under copper toxicity. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 125-134.	2.8	36
21	Hyacinth bean ( <i>Lablab purpureus</i> L.) – An underutilised crop with future potential. <i>Scientia Horticulturae</i> , 2020, 272, 109551.	1.7	34
22	Effect of irradiated sodium alginate and phosphorus on biomass and artemisinin production in <i>Artemisia annua</i> . <i>Carbohydrate Polymers</i> , 2014, 110, 396-404.	5.1	33
23	Vincristine and Vinblastine Anticancer Catharanthus Alkaloids: Pharmacological Applications and Strategies for Yield Improvement. , 2017, , 277-307.		33
24	Effects of boron toxicity on growth, oxidative damage, antioxidant enzymes and essential oil fingerprinting in <i>Mentha arvensis</i> and <i>Cymbopogon flexuosus</i> . <i>Chemical and Biological Technologies in Agriculture</i> , 2020, 7, .	1.9	32
25	Enhancing artemisinin content in and delivery from <i>Artemisia annua</i> : a review of alternative, classical, and transgenic approaches. <i>Planta</i> , 2021, 254, 29.	1.6	31
26	Phosphorus ameliorates crop productivity, photosynthesis, nitrate reductase activity and nutrient accumulation in coffee senna ( <i>Senna occidentalis</i> L.) under phosphorus-deficient soil. <i>Journal of Plant Interactions</i> , 2009, 4, 145-153.	1.0	30
27	Gamma irradiated sodium alginate induced modulation of phosphoenolpyruvate carboxylase and production of essential oil and citral content of lemongrass. <i>Industrial Crops and Products</i> , 2012, 40, 62-68.	2.5	30
28	Employing depolymerised sodium alginate, triacontanol and 28-homobrassinolide in enhancing physiological activities, production of essential oil and active components in <i>Mentha arvensis</i> L. <i>Industrial Crops and Products</i> , 2014, 55, 272-279.	2.5	30
29	Salicylic acid restrains arsenic induced oxidative burst in two varieties of <i>Artemisia annua</i> L. by modulating antioxidant defence system and artemisinin production. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110851.	2.9	30
30	Cumulative role of irradiated sodium alginate and nitrogen fertilizer on growth, biochemical processes and artemisinin production in <i>Artemisia annua</i> . <i>Industrial Crops and Products</i> , 2013, 50, 874-881.	2.5	29
31	Oligomers of carrageenan regulate functional activities and artemisinin production in <i>Artemisia annua</i> L. exposed to arsenic stress. <i>Protoplasma</i> , 2020, 257, 871-887.	1.0	27
32	Irradiated sodium alginate improves plant growth, physiological activities and active constituents in <i>Mentha arvensis</i> L.. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 28-35.	0.7	26
33	Modulation of physiological activities, active constituents and essential oil production of <i>Mentha arvensis</i> L. by concomitant application of depolymerised carrageenan, triacontanol and 28-homobrassinolide. <i>Journal of Essential Oil Research</i> , 2017, 29, 179-188.	1.3	25
34	Phosphorus ameliorates crop productivity, photosynthetic efficiency, nitrogen-fixation, activities of the enzymes and content of nutraceuticals of <i>Lablab purpureus</i> L.. <i>Scientia Horticulturae</i> , 2010, 126, 205-214.	1.7	24
35	Augmentation of photosynthesis, crop productivity, enzyme activities and alkaloids production in Sadabahar ( <i>Catharanthus roseus</i> L.) through application of diverse plant growth regulators. <i>Journal of Crop Science and Biotechnology</i> , 2012, 15, 117-129.	0.7	24
36	Radiolytically degraded sodium alginate enhances plant growth, physiological activities and alkaloids production in <i>Catharanthus roseus</i> L.. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 606-616.	0.7	22

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37	Brassinosteroid-mediated enrichment in yield attributes, active constituents and essential oil production in <i>Mentha arvensis</i> L.. Russian Agricultural Sciences, 2012, 38, 106-113.	0.1	21
38	Salicylic acid-mediated alleviation of soil boron toxicity in <i>Mentha arvensis</i> and <i>Cymbopogon flexuosus</i> : Growth, antioxidant responses, essential oil contents and components. Chemosphere, 2021, 276, 130153.	4.2	21
39	Proliferating effect of radiolytically depolymerized carrageenan on physiological attributes, plant water relation parameters, essential oil production and active constituents of <i>Cymbopogon flexuosus</i> Steud. under drought stress. PLoS ONE, 2017, 12, e0180129.	1.1	20
40	Exogenous Strigolactone (GR24) Positively Regulates Growth, Photosynthesis, and Improves Glandular Trichome Attributes for Enhanced Artemisinin Production in <i>Artemisia annua</i> . Journal of Plant Growth Regulation, 2023, 42, 4606-4615.	2.8	19
41	Triacantanol Protects <i>Mentha arvensis</i> L. from Nickel-Instigated Repercussions by Escalating Antioxidant Machinery, Photosynthetic Efficiency and Maintaining Leaf Ultrastructure and Root Morphology. Journal of Plant Growth Regulation, 2021, 40, 1594-1612.	2.8	17
42	Augmentation of nutraceuticals, productivity and quality of ginger( <i>Zingiber officinale</i> Rosc.) through triacantanol application. Plant Biosystems, 2012, 146, 106-113.	0.8	16
43	Effects of gamma-irradiated sodium alginate on lemongrass: field trials monitoring production of essential oil. Industrial Crops and Products, 2015, 63, 269-275.	2.5	16
44	Arsenic Toxicity Induced Changes in Growth, Photosynthetic Pigments, Antioxidant Machinery, Essential Oil, Menthol and Other Active Constituents of Menthol Mint ( <i>Mentha arvensis</i> L.). Journal of Essential Oil-bearing Plants: JEOP, 2019, 22, 1333-1348.	0.7	16
45	Impact of Long-Term Copper Exposure on Growth, Photosynthesis, Antioxidant Defence System and Artemisinin Biosynthesis in Soil-Grown <i>Artemisia annua</i> Genotypes. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 609-618.	1.3	16
46	RESPONSE OF TOMATO ( <i>SOLANUM LYCOPERSICUM</i> L.) TO APPLICATION OF POTASSIUM AND TRIACONTANOL. Acta Horticulturae, 2009, , 199-208.	0.1	15
47	Exogenous hydrogen sulphide alleviates copper stress impacts in <i>Artemisia annua</i> L.: Growth, antioxidant metabolism, glandular trichome development and artemisinin biosynthesis. Plant Biology, 2022, 24, 642-651.	1.8	15
48	Radiation Processed Carrageenan Improves Plant Growth, Physiological Activities, and Alkaloids Production in <i>Catharanthus roseus</i> L.. Advances in Botany, 2015, 2015, 1-11.	3.4	13
49	Modulation of defence responses by improving photosynthetic activity, antioxidative metabolism, and vincristine and vinblastine accumulation in <i>Catharanthus roseus</i> (L.) G. Don through salicylic acid under water stress. Russian Agricultural Sciences, 2011, 37, 474-482.	0.1	12
50	Optimizing nitrogen levels combined with gibberellic acid for enhanced yield, photosynthetic attributes, enzyme activities, and artemisinin content of <i>Artemisia annua</i> . Frontiers of Agriculture in China, 2011, 5, 51-59.	0.2	10
51	Exogenous triacantanol provides tolerance against arsenic-induced toxicity by scavenging ROS and improving morphology and physiological activities of <i>Mentha arvensis</i> L.. Environmental Pollution, 2022, 295, 118609.	3.7	10
52	Promotive effects of phosphorus on crop productivity, enzyme activities, anthraquinone and sennoside content in <i>Cassia tora</i> L. a medicinal herb. Journal of Plant Interactions, 2009, 4, 49-57.	1.0	8
53	Calcium ameliorates photosynthetic capacity, nitrate reductase, carbonic anhydrase, nitrogen assimilation, yield and quality of <i>Cassia sophera</i> L. a medicinal legume. Physiology and Molecular Biology of Plants, 2009, 15, 237-247.	1.4	8
54	Adverse Effects of Abiotic Stresses on Medicinal and Aromatic Plants and Their Alleviation by Calcium. , 2013, , 101-146.		8

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55	Silicon-mediated cellular resilience mechanisms against copper toxicity and glandular trichomes protection for augmented artemisinin biosynthesis in <i>Artemisia annua</i> . <i>Industrial Crops and Products</i> , 2020, 155, 112843.	2.5	8
56	Gibberellic acid mediated co-ordination of calcium and magnesium ameliorate physiological activities, seed yield and fibre yield of <i>Linum usitatissimum</i> L. a dual-purpose crop. <i>Physiology and Molecular Biology of Plants</i> , 2010, 16, 333-341.	1.4	7
57	Regulatory Role of Mineral Nutrients in Nurturing of Medicinal Legumes Under Salt Stress. , 2017, , 309-334.		7
58	An Insight into the Role of Plant Growth Regulators in Stimulating Abiotic Stress Tolerance in Some Medicinally Important Plants. , 2021, , 75-100.		7
59	Plant Efficacy and Alkaloids Production in Sadabahar ( <i>Catharanthus roseus</i> L.): Role of Potent PGRs and Mineral Nutrients. , 2017, , 35-57.		5
60	Potential Uses of Bioactive Compounds of Medicinal Plants and Their Mode of Action in Several Human Diseases. , 2021, , 143-158.		4
61	Natural Polysaccharides: Novel Plant Growth Regulators. , 2021, , 335-354.		4
62	Intimidating Effects of Heavy Metals on <i>Mentha</i> Species and Their Mitigation Using Scientific Approaches. , 2020, , 305-325.		4
63	<i>Artemisia annua</i> : A Miraculous Herb to Cure Malaria. , 2014, , 27-49.		4
64	Acquisition of physiological modulations in medicinal plants through degraded natural polysaccharides under dynamic environment. , 2022, , 399-414.		3
65	The Accumulation and Degradation of Alkaloids in <i>Catharanthus roseus</i> Supported by Various External Agents Under Different Environmental Conditions. , 2017, , 321-329.		2
66	Unraveling the Cumulative Effect of Soil-Applied Radiation-Processed Sodium Alginate and Polyacrylamide on Growth Attributes, Physiological Activities, and Alkaloids Production in Periwinkle [ <i>Catharanthus roseus</i> (L.) G. Don]. , 2017, , 365-381.		2
67	Various Mitigation Approaches Applied to Confer Abiotic Stress Tolerance in Fenugreek ( <i>Trigonella</i> ) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlo		
68	Growth, photosynthetic efficiency and metabolic alterations associated with exogenous hydrogen peroxide in <i>Artemisia annua</i> : Overproduction of artemisinin. <i>Russian Agricultural Sciences</i> , 2011, 37, 212-219.	0.1	1
69	Strategies for Enhancing Artemisinin Production in <i>Artemisia annua</i> Under Changing Environment. , 2017, , 227-246.		1
70	Nitric oxide and hydrogen sulfide interactions in plants under adverse environmental conditions. , 2022, , 215-244.		1
71	Fractions of gamma-irradiated sodium alginate enhance the growth, enzymatic activities, and essential oil production of lemongrass [ <i>Cymbopogon flexuosus</i> (Steud.) Wats]. , 2022, , 257-272.		0
72	Fractions of radiation-processed chitosan induce growth, photosynthesis and secondary metabolism in Java citronella ( <i>Cymbopogon winterianus</i> Jowitt). , 2022, , 273-298.		0

#	ARTICLE	IF	CITATIONS
73	Improvement in growth, physiological attributes and essential oil production of <i>Vetiveria zizanioides</i> (L.) Nash mediated by soil-applied gamma-irradiated sodium alginate. , 2022, , 299-319.		0
74	Radiation-processed polysaccharides and the enrichment of medicinally imperative bioactive compounds in plants, a review. , 2022, , 227-256.		0
75	Effect of presowing treatment of Co-60 gamma-irradiated chitosan on seed germination and seedling vigor in <i>Eucalyptus citriodora</i> Hook. , 2022, , 321-337.		0