

# Asim Masood

## List of Publications by Year in descending order

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44  
papers

3,494  
citations

159585

30  
h-index

254184

43  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2970  
citing authors

#	ARTICLE	IF	CITATIONS
1	The key roles of salicylic acid and sulfur in plant salinity stress tolerance. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1891-1904.	5.1	38
2	Involvement of Ethylene in Reversal of Salt Stress by Salicylic Acid in the Presence of Sulfur in Mustard ( <i>Brassica juncea</i> L.). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 3449-3466.	5.1	9
3	Appraisal of functional significance of sulfur assimilatory products in plants under elevated metal accumulation. <i>Crop and Pasture Science</i> , 2022, 73, 573-584.	1.5	5
4	Ethylene-nitrogen synergism induces tolerance to copper stress by modulating antioxidant system and nitrogen metabolism and improves photosynthetic capacity in mustard. <i>Environmental Science and Pollution Research</i> , 2022, 29, 49029-49049.	5.3	16
5	Nitrogen Sources Mitigate Cadmium Phytotoxicity Differentially by Modulating Cellular Buffers, N-assimilation, Non-protein Thiols, and Phytochelatin in Mustard ( <i>Brassica juncea</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3847-3867.	3.4	3
6	Mechanistic Elucidation of Salicylic Acid and Sulphur-Induced Defence Systems, Nitrogen Metabolism, Photosynthetic, and Growth Potential of Mungbean ( <i>Vigna radiata</i> ) Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1000-1016.	5.1	47
7	Hydrogen peroxide potentiates defense system in presence of sulfur to protect chloroplast damage and photosynthesis of wheat under drought stress. <i>Physiologia Plantarum</i> , 2021, 172, 922-934.	5.2	20
8	Soil Sulfur Sources Differentially Enhance Cadmium Tolerance in Indian Mustard ( <i>Brassica juncea</i> L.). <i>Soil Systems</i> , 2021, 5, 29.	2.6	16
9	Ethylene reduces glucose sensitivity and reverses photosynthetic repression through optimization of glutathione production in salt-stressed wheat ( <i>Triticum aestivum</i> L.). <i>Scientific Reports</i> , 2021, 11, 12650.	3.3	36
10	Ethylene Supplementation Combined with Split Application of Nitrogen and Sulfur Protects Salt-Inhibited Photosynthesis through Optimization of Proline Metabolism and Antioxidant System in Mustard ( <i>Brassica juncea</i> L.). <i>Plants</i> , 2021, 10, 1303.	3.5	20
11	Control of Elevated Ion Accumulation, Oxidative Stress, and Lipid Peroxidation with Salicylic Acid-Induced Accumulation of Glycine Betaine in Salinity-Exposed <i>Vigna radiata</i> L. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3301-3320.	2.9	20
12	Coordinated Role of Nitric Oxide, Ethylene, Nitrogen, and Sulfur in Plant Salt Stress Tolerance. <i>Stresses</i> , 2021, 1, 181-199.	4.8	22
13	Absciscic Acid in Coordination with Nitrogen Alleviates Salinity-Inhibited Photosynthetic Potential in Mustard by Improving Proline Accumulation and Antioxidant Activity. <i>Stresses</i> , 2021, 1, 162-180.	4.8	10
14	The outcomes of the functional interplay of nitric oxide and hydrogen sulfide in metal stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 523-534.	5.8	40
15	Mechanisms and Role of Nitric Oxide in Phytotoxicity-Mitigation of Copper. <i>Frontiers in Plant Science</i> , 2020, 11, 675.	3.6	48
16	Nitric Oxide Pre-Treatment Advances Seed Germination and Alleviates Copper-Induced Photosynthetic Inhibition in Indian Mustard. <i>Plants</i> , 2020, 9, 776.	3.5	41
17	Potential of Different Sources of Sulfur in Mitigating Cadmium Induced Toxicity in Mustard. <i>Biology and Life Sciences Forum</i> , 2020, 4, .	0.6	0
18	Sulfur-mediated control of salinity impact on photosynthesis and growth in mungbean cultivars screened for salt tolerance involves glutathione and proline metabolism, and glucose sensitivity. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	22

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19	Nitric oxide reverses glucose-mediated photosynthetic repression in wheat ( <i>Triticum aestivum</i> L.) under salt stress. <i>Environmental and Experimental Botany</i> , 2019, 161, 277-289.	4.2	107
20	Ethylene Supplementation Increases PSII Efficiency and Alleviates Chromium-Inhibited Photosynthesis Through Increased Nitrogen and Sulfur Assimilation in Mustard. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1300-1317.	5.1	54
21	Ethylene and Polyamines in Counteracting Heavy Metal Phytotoxicity: A Crosstalk Perspective. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1050-1065.	5.1	25
22	Approaches in modulating proline metabolism in plants for salt and drought stress tolerance: Phytohormones, mineral nutrients and transgenics. <i>Plant Physiology and Biochemistry</i> , 2017, 115, 126-140.	5.8	337
23	Nitric oxide improves S-assimilation and GSH production to prevent inhibitory effects of cadmium stress on photosynthesis in mustard ( <i>Brassica juncea</i> L.). <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 68, 111-124.	2.7	95
24	Nitric oxide signaling and its crosstalk with other plant growth regulators in plant responses to abiotic stress. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2273-2285.	5.3	201
25	Hydrogen Peroxide Alleviates Nickel-Inhibited Photosynthetic Responses through Increase in Use-Efficiency of Nitrogen and Sulfur, and Glutathione Production in Mustard. <i>Frontiers in Plant Science</i> , 2016, 7, 44.	3.6	75
26	Nitric Oxide Alleviates Salt Stress Inhibited Photosynthetic Performance by Interacting with Sulfur Assimilation in Mustard. <i>Frontiers in Plant Science</i> , 2016, 7, 521.	3.6	164
27	Ethylene Potentiates Sulfur-Mediated Reversal of Cadmium Inhibited Photosynthetic Responses in Mustard. <i>Frontiers in Plant Science</i> , 2016, 7, 1628.	3.6	79
28	Methyl Jasmonate Alleviates Cadmium-Induced Photosynthetic Damages through Increased S-Assimilation and Glutathione Production in Mustard. <i>Frontiers in Plant Science</i> , 2016, 7, 1933.	3.6	69
29	Interplay between nitric oxide and sulfur assimilation in salt tolerance in plants. <i>Crop Journal</i> , 2016, 4, 153-161.	5.2	56
30	Involvement of ethylene in gibberellic acid-induced sulfur assimilation, photosynthetic responses, and alleviation of cadmium stress in mustard. <i>Plant Physiology and Biochemistry</i> , 2016, 104, 1-10.	5.8	74
31	Modulation and significance of nitrogen and sulfur metabolism in cadmium challenged plants. <i>Plant Growth Regulation</i> , 2016, 78, 1-11.	3.4	101
32	Role of ethylene in responses of plants to nitrogen availability. <i>Frontiers in Plant Science</i> , 2015, 6, 927.	3.6	58
33	Too much is bad – an appraisal of phytotoxicity of elevated plant-beneficial heavy metal ions. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3361-3382.	5.3	108
34	Involvement of ethylene in reversal of salt-induced inhibited photosynthesis by sulfur in mustard. <i>Physiologia Plantarum</i> , 2014, 152, 331-344.	5.2	121
35	Ethylene production is associated with alleviation of cadmium-induced oxidative stress by sulfur in mustard types differing in ethylene sensitivity. <i>Ecotoxicology and Environmental Safety</i> , 2014, 106, 54-61.	6.0	147
36	Excess sulfur supplementation improves photosynthesis and growth in mustard under salt stress through increased production of glutathione. <i>Environmental and Experimental Botany</i> , 2014, 107, 55-63.	4.2	127

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37	Cross-talk between sulfur assimilation and ethylene signaling in plants. <i>Plant Signaling and Behavior</i> , 2013, 8, e22478.	2.4	69
38	Salicylic acid alleviates adverse effects of heat stress on photosynthesis through changes in proline production and ethylene formation. <i>Plant Signaling and Behavior</i> , 2013, 8, e26374.	2.4	307
39	Sulfur and Nitrogen Co-ordinately Improve Photosynthetic Efficiency, Growth and Proline Accumulation in Two Cultivars of Mustard Under Salt Stress. <i>Journal of Plant Biochemistry &amp; Physiology</i> , 2013, 1, .	0.5	45
40	The coordinated role of ethylene and glucose in sulfur-mediated protection of photosynthetic inhibition by cadmium. <i>Plant Signaling and Behavior</i> , 2012, 7, 1420-1422.	2.4	12
41	Role of ethylene in alleviation of cadmium-induced photosynthetic capacity inhibition by sulphur in mustard. <i>Plant, Cell and Environment</i> , 2012, 35, 524-533.	5.7	265
42	Understanding the significance of sulfur in improving salinity tolerance in plants. <i>Environmental and Experimental Botany</i> , 2011, 70, 80-87.	4.2	148
43	Salicylic acid-mediated changes in photosynthesis, nutrients content and antioxidant metabolism in two mustard ( <i>Brassica juncea</i> L.) cultivars differing in salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 877-886.	2.1	107
44	Exogenously-sourced ethylene increases stomatal conductance, photosynthesis, and growth under optimal and deficient nitrogen fertilization in mustard. <i>Journal of Experimental Botany</i> , 2011, 62, 4955-4963.	4.8	123