

# Piyush Mathur

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

222  
citations

1478505

6  
h-index

1372567

10  
g-index

15  
all docs

15  
docs citations

15  
times ranked

136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the Strategies for Isolation of Endophytic Fungi and Their Functional Attributes for the Regulation of Plant Growth and Resilience to Stress. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1342-1363.	5.1	8
2	Deep Insights into the Role of Endophytic Fungi in Abiotic Stress Tolerance in Plants. <i>Advances in Science, Technology and Innovation</i> , 2022, , 331-347.	0.4	0
3	Hydrogen sulphide (H <sub>2</sub> S) in the hidden half: Role in root growth, stress signalling and rhizospheric interactions. <i>Plant Biology</i> , 2022, 24, 559-568.	3.8	13
4	Silicon and nano-silicon: New frontiers of biostimulants for plant growth and stress amelioration. , 2022, , 17-36.		5
5	Functional attributes of microbial and plant based biofungicides for the defense priming of crop plants. <i>Theoretical and Experimental Plant Physiology</i> , 2022, 34, 301-333.	2.4	7
6	Insights into the plant responses to drought and decoding the potential of root associated microbiome for inducing drought tolerance. <i>Physiologia Plantarum</i> , 2021, 172, 1016-1029.	5.2	42
7	Delineating the mechanisms of elevated CO <sub>2</sub> mediated growth, stress tolerance and phytohormonal regulation in plants. <i>Plant Cell Reports</i> , 2021, 40, 1345-1365.	5.6	16
8	Nanosilica facilitates silica uptake, growth and stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 114-127.	5.8	53
9	Prospective Role of Melatonin in Signaling and Alleviation of Stress in Plants. <i>Signaling and Communication in Plants</i> , 2020, , 213-240.	0.7	2
10	Interactive effects of CO <sub>2</sub> concentrations and <i>Alternaria brassicae</i> (Berk.) Sacc. infection on defense signalling in <i>Brassica juncea</i> (L.) Czern. & Coss.. <i>European Journal of Plant Pathology</i> , 2018, 151, 413-425.	1.7	10
11	Functional analysis of diacylglycerol O-acyl transferase 2 gene to decipher its role in virulence of <i>Botrytis cinerea</i> . <i>Current Genetics</i> , 2018, 64, 443-457.	1.7	6
12	Arbuscular Mycorrhiza: Approaches for Abiotic Stress Tolerance in Crop Plants for Sustainable Agriculture. , 2013, , 359-401.		58
13	Role of Nitrogen and Sulphur Fertilization for Sustaining the Growth, Physiology and Defence of <i>Brassica juncea</i> L. (Indian Mustard) Plants Exposed to Enhanced CO <sub>2</sub> Concentration. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	3.4	1