

# Muhammad Zeeshan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1077454/publications.pdf>

Version: 2024-02-01

16  
papers

560  
citations

933447

10  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

313  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Seed priming with zinc oxide nanoparticles downplayed ultrastructural damage and improved photosynthetic apparatus in maize under cobalt stress. <i>Journal of Hazardous Materials</i> , 2022, 423, 127021.   | 12.4 | 122       |
| 2  | Comparison of Biochemical, Anatomical, Morphological, and Physiological Responses to Salinity Stress in Wheat and Barley Genotypes Deferring in Salinity Tolerance. <i>Agronomy</i> , 2020, 10, 127.  | 3.0  | 119       |
| 3  | Ameliorative effect of melatonin improves drought tolerance by regulating growth, photosynthetic traits and leaf ultrastructure of maize seedlings. <i>BMC Plant Biology</i> , 2021, 21, 368.   | 3.6  | 75        |
| 4  | Interactive Effects of Melatonin and Nitrogen Improve Drought Tolerance of Maize Seedlings by Regulating Growth and Physiochemical Attributes. <i>Antioxidants</i> , 2022, 11, 359.   | 5.1  | 42        |
| 5  | Amelioration of AsV toxicity by concurrent application of ZnO-NPs and Se-NPs is associated with differential regulation of photosynthetic indexes, antioxidant pool and osmolytes content in soybean seedling. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112738.             | 6.0  | 37        |
| 6  | Mycorrhizal symbiosis promotes the nutrient content accumulation and affects the root exudates in maize. <i>BMC Plant Biology</i> , 2022, 22, 64.   | 3.6  | 32        |
| 7  | Irrigation and Nitrogen Fertilization Alter Soil Bacterial Communities, Soil Enzyme Activities, and Nutrient Availability in Maize Crop. <i>Frontiers in Microbiology</i> , 2022, 13, 833758.   | 3.5  | 31        |
| 8  | Melatonin and KNO <sub>3</sub> Application Improves Growth, Physiological and Biochemical Characteristics of Maize Seedlings under Waterlogging Stress Conditions. <i>Biology</i> , 2022, 11, 99.   | 2.8  | 19        |
| 9  | Resemblance and Difference of Seedling Metabolic and Transporter Gene Expression in High Tolerance Wheat and Barley Cultivars in Response to Salinity Stress. <i>Plants</i> , 2020, 9, 519.   | 3.5  | 18        |
| 10 | CO <sub>2</sub> enrichment using CRAM fermentation improves growth, physiological traits and yield of cherry tomato ( <i>Solanum lycopersicum</i> L.). <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1041-1048.   | 3.8  | 15        |
| 11 | Long-term straw mulching in a no-till field improves soil functionality and rice yield by increasing soil enzymatic activity and chemical properties in paddy soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 622-634.   | 1.9  | 14        |
| 12 | Arbuscular mycorrhizal fungi reverse selenium stress in <i>Zea mays</i> seedlings by improving plant and soil characteristics. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113000.   | 6.0  | 11        |
| 13 | Genome-Wide Discovery of miRNAs with Differential Expression Patterns in Responses to Salinity in the Two Contrasting Wheat Cultivars. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12556.  | 4.1  | 10        |
| 14 | Mechanistic Insights into Potassium-Conferred Drought Stress Tolerance in Cultivated and Tibetan Wild Barley: Differential Osmoregulation, Nutrient Retention, Secondary Metabolism and Antioxidative Defense Capacity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13100. | 4.1  | 7         |
| 15 | Gradual Application of Potassium Fertilizer Elevated the Sugar Conversion Mechanism and Yield of Waxy and Sweet Fresh-Eaten Maize in the Semiarid Cold Region. <i>Journal of Food Quality</i> , 2021, 2021, 1-11.   | 2.6  | 6         |
| 16 | Effect of Integrated Organic-Inorganic Amendments on Leaf Physiological and Grain Starch Viscosity (Rapid Visco-Analyzer Profile) Characteristics of Rice and Ultisols Soil Quality. <i>Agronomy</i> , 2022, 12, 863.   | 3.0  | 2         |