

# Muhammad Azam

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

487  
citations

933447

10  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

432  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Phytochemicals in <i>Daucus carota</i> and Their Health Benefits” Review Article. <i>Foods</i> , 2019, 8, 424.  | 4.3 | 112       |
| 2  | Glycinebetaine alleviates the chromium toxicity in <i>Brassica oleracea</i> L. by suppressing oxidative stress and modulating the plant morphology and photosynthetic attributes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1101-1111.    | 5.3 | 72        |
| 3  | Incorporation of ascorbic acid in chitosan-based edible coating improves postharvest quality and storability of strawberry fruits. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 160-169.  | 7.5 | 53        |
| 4  | Survival and stability of free and encapsulated probiotic bacteria under simulated gastrointestinal and thermal conditions. <i>International Journal of Food Properties</i> , 2020, 23, 1899-1912.  | 3.0 | 29        |
| 5  | Synergistic effect of gum Arabic and carboxymethyl cellulose as biocomposite coating delays senescence in stored tomatoes by regulating antioxidants and cell wall degradation. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 641-652. | 7.5 | 27        |
| 6  | Alleviating Role of Gibberellic Acid in Enhancing Plant Growth and Stimulating Phenolic Compounds in Carrot ( <i>Daucus carota</i> L.) under Lead Stress. <i>Sustainability</i> , 2021, 13, 12329.  | 3.2 | 23        |
| 7  | Effect of an auxin precursor tryptophan and <i>Azotobacter</i> inoculation on yield and chemical composition of potato under fertilized conditions. <i>Journal of Plant Nutrition</i> , 1997, 20, 745-752.  | 1.9 | 21        |
| 8  | Comparative analysis of primary metabolites and transcriptome changes between ungrafted and pumpkin-grafted watermelon during fruit development. <i>PeerJ</i> , 2020, 8, e8259.   | 2.0 | 21        |
| 9  | Biochar and <i>Bacillus</i> sp. MN54 Assisted Phytoremediation of Diesel and Plant Growth Promotion of Maize in Hydrocarbons Contaminated Soil. <i>Agronomy</i> , 2021, 11, 1795.   | 3.0 | 19        |
| 10 | Bioavailability, rheology, and sensory evaluation of mayonnaise fortified with vitamin D encapsulated in protein-based carriers. <i>Journal of Texture Studies</i> , 2020, 51, 955-967.   | 2.5 | 15        |
| 11 | Postharvest ascorbic acid application maintained physiological and antioxidant responses of Guava ( <i>Psidium guajava</i> L.) at ambient storage. <i>Food Science and Technology</i> , 2021, 41, 748-754.  | 1.7 | 12        |
| 12 | Characterization of biopolymeric encapsulation system for improved survival of <i>Lactobacillus brevis</i> . <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 2292-2299.   | 3.2 | 11        |
| 13 | Development of antifungal edible coating for strawberry using fruit waste. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15956.   | 2.0 | 9         |
| 14 | Comparative effect of mesquite biochar, farmyard manure, and chemical fertilizers on soil fertility and growth of onion ( <i>Allium cepa</i> L.). <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.  | 1.3 | 8         |
| 15 | Foliar- and soil-applied salicylic acid and bagasse compost addition to soil reduced deleterious effects of salinity on wheat. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.   | 1.3 | 7         |
| 16 | Characterization of peanut seed oil of selected varieties and its application in the cereal-based product. <i>Journal of Food Science and Technology</i> , 2020, 57, 4044-4053.   | 2.8 | 7         |
| 17 | Overall quality maintenance of grapefruit during cold storage using pre-storage neem leaf extract dipping. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 1727-1736.   | 3.2 | 6         |
| 18 | High-Throughput LC-ESI-MS/MS Metabolomics Approach Reveals Regulation of Metabolites Related to Diverse Functions in Mature Fruit of Grafted Watermelon. <i>Biomolecules</i> , 2021, 11, 628.   | 4.0 | 6         |

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|----|--|------|-----------|
| 19 | ATP-binding cassette transporters expression profiling revealed its role in the development and regulating stress response in <i>Solanum tuberosum</i> . <i>Molecular Biology Reports</i> , 2022, 49, 5251-5264. | 2.3  | 4         |
| 20 | Reduced metabolites of nitroaromatics are distributed in the environment via the food chain. <i>Journal of Hazardous Materials</i> , 2018, 355, 170-179.   | 12.4 | 3         |
| 21 | Electromagnetic Energy Surface Modes in Metamaterial-Filled Bi-layer Graphene Structures. <i>Plasmonics</i> , 2021, 16, 1175-1194.   | 3.4  | 2         |
| 22 | Production and characterization of inter and intraspecific hybridization eggplant. <i>Horticultura Brasileira</i> , 2020, 38, 407-414.   | 0.5  | 2         |
| 23 | Seasonal Fluctuations of N, P and K in Leaves Influenced Nutrient Requirement During Fruit Development Stages in Different Olive Genotypes. <i>Brazilian Archives of Biology and Technology</i> , 0, 65, .       | 0.5  | 2         |
| 24 | The Role of Laboratory Technicians and the client Public-Private collaboration against COVID-19. , 0, , .  |      | 0         |