

Sumaira Anjum

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,255
citations

471509

17
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recent Advances in Zinc Oxide Nanoparticles (ZnO NPs) for Cancer Diagnosis, Target Drug Delivery, and Treatment. <i>Cancers</i> , 2021, 13, 4570. | 3.7 | 165 |
| 2 | An Overview of the Algae-Mediated Biosynthesis of Nanoparticles and Their Biomedical Applications. <i>Biomolecules</i> , 2020, 10, 1498. | 4.0 | 146 |
| 3 | An Overview of the Applications of Nanomaterials and Nanodevices in the Food Industry. <i>Foods</i> , 2020, 9, 148. | 4.3 | 136 |
| 4 | Synthesis of bio-mediated silver nanoparticles from <i>Silybum marianum</i> and their biological and clinical activities. <i>Materials Science and Engineering C</i> , 2020, 112, 110889. | 7.3 | 79 |
| 5 | Advances in nanomaterials as novel elicitors of pharmacologically active plant specialized metabolites: current status and future outlooks. <i>RSC Advances</i> , 2019, 9, 40404-40423. | 3.6 | 75 |
| 6 | Melatonin as Master Regulator in Plant Growth, Development and Stress Alleviator for Sustainable Agricultural Production: Current Status and Future Perspectives. <i>Sustainability</i> , 2021, 13, 294. | 3.2 | 75 |
| 7 | Emerging Applications of Nanotechnology in Healthcare Systems: Grand Challenges and Perspectives. <i>Pharmaceuticals</i> , 2021, 14, 707. | 3.8 | 68 |
| 8 | Synergistic Effects of Drought Stress and Photoperiods on Phenology and Secondary Metabolism of <i>Silybum marianum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 693-707. | 2.9 | 63 |
| 9 | Applications of Nanomaterials in Leishmaniasis: A Focus on Recent Advances and Challenges. <i>Nanomaterials</i> , 2019, 9, 1749. | 4.1 | 63 |
| 10 | Thidiazuron-enhanced biosynthesis and antimicrobial efficacy of silver nanoparticles via improving phytochemical reducing potential in callus culture of <i>Linum usitatissimum</i> L.. <i>International Journal of Nanomedicine</i> , 2016, 11, 715. | 6.7 | 39 |
| 11 | Effects of photoperiod regimes and ultraviolet-C radiations on biosynthesis of industrially important lignans and neolignans in cell cultures of <i>Linum usitatissimum</i> L. (Flax). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 216-227. | 3.8 | 39 |
| 12 | Trends in accumulation of pharmacologically important antioxidant-secondary metabolites in callus cultures of <i>Linum usitatissimum</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 73-87. | 2.3 | 39 |
| 13 | Differential effects of in vitro cultures of <i>Linum usitatissimum</i> L. (Flax) on biosynthesis, stability, antibacterial and antileishmanial activities of zinc oxide nanoparticles: a mechanistic approach. <i>RSC Advances</i> , 2017, 7, 15931-15943. | 3.6 | 38 |
| 14 | Comparative Effects of Different Light Sources on the Production of Key Secondary Metabolites in Plants In Vitro Cultures. <i>Plants</i> , 2021, 10, 1521. | 3.5 | 38 |
| 15 | Effects of Biogenic Zinc Oxide Nanoparticles on Growth and Oxidative Stress Response in Flax Seedlings vs. In Vitro Cultures: A Comparative Analysis. <i>Biomolecules</i> , 2020, 10, 918. | 4.0 | 35 |
| 16 | Interactive Effects of Wide-Spectrum Monochromatic Lights on Phytochemical Production, Antioxidant and Biological Activities of <i>Solanum xanthocarpum</i> Callus Cultures. <i>Molecules</i> , 2020, 25, 2201. | 3.8 | 31 |
| 17 | Nano-Elicitation as an Effective and Emerging Strategy for In Vitro Production of Industrially Important Flavonoids. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1694. | 2.5 | 28 |
| 18 | Biomimetic synthesis of antimicrobial silver nanoparticles using in vitro-propagated plantlets of a medicinally important endangered species: <i>Phlomis bracteosa</i> . <i>International Journal of Nanomedicine</i> , 2016, 11, 1663. | 6.7 | 18 |

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|----|---|-----|-----------|
| 19 | Effect of UV Irradiation (A and C) on Casuarina equisetifolia-Mediated Biosynthesis and Characterization of Antimicrobial and Anticancer Activity of Biocompatible Zinc Oxide Nanoparticles. Pharmaceutics, 2021, 13, 1977. | 4.5 | 18 |
| 20 | Bio-Assisted Synthesis and Characterization of Zinc Oxide Nanoparticles from Lepidium sativum and Their Potent Antioxidant, Antibacterial and Anticancer Activities. Biomolecules, 2022, 12, 855. | 4.0 | 16 |
| 21 | Feasible Production of Lignans and Neolignans in Root-Derived In Vitro Cultures of Flax (Linum Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 3.5 | 12 |
| 22 | Green and chemically synthesized zinc oxide nanoparticles: effects on <i>in-vitro</i> seedlings and callus cultures of <i>Silybum marianum</i> and evaluation of their antimicrobial and anticancer potential. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 450-460. | 2.8 | 12 |
| 23 | Light Tailoring: Impact of UV-C Irradiation on Biosynthesis, Physiognomies, and Clinical Activities of Morus macrourea-Mediated Monometallic (Ag and ZnO) and Bimetallic (Ag@ZnO) Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 11294. | 4.1 | 12 |
| 24 | An Insight into the Algal Evolution and Genomics. Biomolecules, 2020, 10, 1524. | 4.0 | 7 |
| 25 | Production of Antidiabetic Lignans in Flax Cell Cultures. , 2021, , 383-407. | | 1 |