# Malay Kumar Adak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8450959/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 50 papers | 588 citations | 759233 12 h-index | 642732 23 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 691 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Salicylic Acid Induction of Flavonoid Biosynthesis Pathways in Wheat Varies by Treatment. Frontiers in Plant Science, 2016, 7, 1447. | 3.6 | 85 |
| 2 | Differential responses of two rice varieties to salt stress. Plant Biotechnology Reports, 2011, 5, 89-103. | 1.5 | 74 |
| 3 | Responses of the maize plant to chromium stress with reference to antioxidation activity. Brazilian Journal of Plant Physiology, 2012, 24, 203-212. | 0.5 | 72 |
| 4 | Antioxidative responses of Salvinia (Salvinia natans Linn.) to aluminium stress and itâ€™s modulation by polyamine. Physiology and Molecular Biology of Plants, 2013, 19, 91-103. | 3.1 | 56 |
| 5 | Variations of antioxidative responses in two rice cultivars with polyamine treatment under salinity stress. Physiology and Molecular Biology of Plants, 2012, 18, 301-313. | 3.1 | 30 |
| 6 | Physio-Biochemical and Microsatellite Based Profiling of Lowland Rice (<i>Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Sciences, 2013, 04, 52-63. | 0.8 | 19 |
| 7 | Interaction of polyamine on oxidative stress induced by exogenously applied hydrogen peroxide in Salvinia natans Linn. Theoretical and Experimental Plant Physiology, 2013, 25, 223-230. | 2.4 | 18 |
| 8 | Chitosan and putrescine modulate reactive oxygen species metabolism and physiological responses during chili fruit ripening. Plant Physiology and Biochemistry, 2021, 163, 55-67. | 5.8 | 16 |
| 9 | Abscisic acid priming regulates arsenite toxicity in two contrasting rice (Oryza sativa L.) genotypes through differential functioning of sub1A quantitative trait loci. Environmental Pollution, 2021, 287, 117586. | 7.5 | 15 |
| 10 | Impeded Carbohydrate Metabolism in Rice Plants under Submergence Stress. Rice Science, 2011, 18, 116-126. | 3.9 | 14 |
| 11 | Effects of putrescine on oxidative stress induced by hydrogen peroxide in Salvinia natans L.. Journal of Plant Interactions, 2014, 9, 550-558. | 2.1 | 14 |
| 12 | Silver-nanoparticle and abscisic acid modulate sub1A quantitative trait loci functioning towards submergence tolerance in rice (Oryza sativa L.). Environmental and Experimental Botany, 2021, 181, 104276. | 4.2 | 13 |
| 13 | Abscisic acid induced cellular responses of sub1A QTL to aluminium toxicity in rice (Oryza sativa L.). Ecotoxicology and Environmental Safety, 2019, 183, 109600. | 6.0 | 12 |
| 14 | Cellular response of oxidative stress when sub1A QTL of rice receives water deficit stress. Plant Science Today, 2018, 5, 84-94. | 0.7 | 12 |
| 15 | Bio indices for 2,4-D sensitivity between two plant species: Azolla pinnata R.Br. and Vernonia cinerea L. with their cellular responses. Physiology and Molecular Biology of Plants, 2016, 22, 371-380. | 3.1 | 9 |
| 16 | Amelioration of sodium and arsenic toxicity in Salvinia natans L. with 2,4-D priming through physiological responses. Environmental Science and Pollution Research, 2021, , 1. | 5.3 | 9 |
| 17 | Cadmium Accumulation in <i>Marsilea minuta</i> Linn. and Its Antioxidative Responses. American Journal of Plant Sciences, 2013, 04, 365-371. | 0.8 | 9 |
| 18 | Preliminary Variations in Physiological Modules When <i>sub</i>1<i>A</i> QTL Is under Soil-Moisture Deficit Stress. American Journal of Plant Sciences, 2018, 09, 732-744. | 0.8 | 9 |

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|---|---|---|---|
| 19 | Photoactivated TiO2 Nanocomposite Delays the Postharvest Ripening Phenomenon through Ethylene Metabolism and Related Physiological Changes in Capsicum Fruit. Plants, 2022, 11, 513. | 3.5 | 8 |
| 20 | Aluminium accumulation in excess and related anti-oxidation responses in C4 weed (Amaranthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.1 | 7 |
| 21 | Silver Can Induce Oxidative Stress in Parallel to Other Chemical Elicitors to Modulate the Ripening of Chili Cultivars. Plants, 2020, 9, 238. | 3.5 | 7 |
| 22 | 2, 4-D removal efficiency of Salvinia natans L. and its tolerance to oxidative stresses through glutathione metabolism under induction of light and darkness. Ecotoxicology and Environmental Safety, 2021, 208, 111708. | 6.0 | 7 |
| 23 | Differential Impact of Nitric Oxide and Abscisic Acid on the Cellular and Physiological Functioning of sub1A QTL Bearing Rice Genotype under Salt Stress. Plants, 2022, 11, 1084. | 3.5 | 7 |
| 24 | Assessment of Some Biomarkers under Submergence Stress in Some Rice Cultivars Varying in Responses. American Journal of Plant Sciences, 2015, 06, 84-94. | 0.8 | 6 |
| 25 | Physiological explanation of herbicide tolerance in Azolla pinnata R.Br.. Annals of Agrarian Science, 2017, 15, 402-409. | 1.2 | 5 |
| 26 | Modulation of Glycine Betaine Accumulation with Oxidative Stress Induced by Aluminium Toxicity in Rice. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2019, 89, 291-301. | 1.0 | 5 |
| 27 | Responses of <i>Marsilea minuta</i> L. to Cadmium Stress and Assessment of Some Oxidative Biomarkers. American Journal of Plant Sciences, 2014, 05, 1467-1476. | 0.8 | 5 |
| 28 | IN-BUILT ANTIOXIDATION CAPACITY OF sub1A QTL IN RICE (Oryza sativa L.) AND ITS MODULATION BY EXOGENOUS APPLICATION OF POLYAMINE AND NITRIC OXIDE. Journal of Experimental Biology and Agricultural Sciences, 2020, 8, 210-223. | 0.4 | 5 |
| 29 | Responses of sub1A quantitative trait locus in rice to salinity in modulation with silver induction. Revista Brasileira De Botanica, 2020, 43, 789-797. | 1.3 | 4 |
| 30 | Physiological responses of sub1A QTL under induced dehydration stress for varying days in rice. Plant Science Today, 2020, 7, 112-121. | 0.7 | 4 |
| 31 | An updated overview of the physiological and molecular responses of rice to anoxia. Frontiers in Bioscience, 2021, 26, 1240. | 2.1 | 4 |
| 32 | Insights into the Role of Iron Supplementation in Conferring Bicarbonate-Mediated Alkaline Stress Tolerance in Maize. Journal of Soil Science and Plant Nutrition, 2022, 22, 2719-2734. | 3.4 | 4 |
| 33 | Modalities of NADP-malic enzyme activities under light and darkness indicate its regulation with reference to C4 weed. Plant Science Today, 2020, 7, . | 0.7 | 3 |
| 34 | Physio-Biochemical and Genetic Exploration for Submergence Tolerance in Rice (<i>Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14<br>Plant Sciences, 2015, 06, 1893-1904. | 0.8 | 3 |
| 35 | Effects of Putrescine on Anti-Oxidative Enzymes in Two Rice Cultivars Subjected To Salinity. , 2016, 04, . | | 2 |
| 36 | Analysis of Chlorophyll Fluorescence: A Reliable Technique in Determination of Stress on Plants. , 2018, , 63-88. | | 2 |

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|---|---|---|---|
| 37 | Modulation of physiological responses with TiO2 nano-particle in Azolla pinnata R.Br. under 2,4-D toxicity. Molecular Biology Reports, 2018, 45, 663-673. | 2.3 | 2 |
| 38 | Physiological alterations of Salvinia natans L. exposed to aluminium stress and its interaction with polyamine. Plant Science Today, 2016, 3, 195. | 0.7 | 2 |
| 39 | Physiological characterization of SUB1 trait in rice under subsequent submergence and re-aeration with interaction of chemical elicitors. Plant Science Today, 2017, 4, 177-190. | 0.7 | 2 |
| 40 | Biotechnological Implication with R.Br. for Azolla pinnata Metal Quenching Ability with Physiological Biomarkers. Cryptogam Biodiversity and Assessment, 2016, 1, . | 0.1 | 2 |
| 41 | Changes in Physiological Responses of Hygrophila schulli Under Cadmium Toxicity. Agricultural Research, 2015, 4, 171-182. | 1.7 | 1 |
| 42 | Some Physiological Insights of 2,4-D Sensitivity in an Aquatic Fern: Azolla pinnata R.Br. Journal of Biotechnology & Biomaterials, 2016, 6, . | 0.3 | 1 |
| 43 | Bicarbonate Toxicity and Elevated pH in Plants: Metabolism, Regulation and Tolerance. , 2021, , 77-89. | | 1 |
| 44 | Sulfur in Soil: Abiotic Stress Signaling, Transmission and Induced Physiological Responses in Plants. , 2021, , 469-492. | | 1 |
| 45 | Alleviation of Abiotic Stress byÂNonconventional Plant Growth Regulators in Plant Physiology. , 2020, , 197-211. | | 1 |
| 46 | 2,4-D Hyper Accumulation Induced Cellular Responses of Azolla pinnata R. Br. to Sustain Herbicidal Stress. Phyton, 2020, 89, 999-1017. | 0.7 | 1 |
| 47 | Moderation of physiological responses in rice plants with Azolla under 2,4-Dichlorophenoxy acetic acid stress. Molecular Biology Reports, 2019, 46, 59-66. | 2.3 | 0 |
| 48 | Biotechnological Implication with Azolla pinnata R.Br. for Metal Quenching Ability with Physiological Biomarkers.. Cryptogam Biodiversity and Assessment, 2016, 1, . | 0.1 | 0 |
| 49 | Assessment of Irradiation Stress in Crop Plants with Modern Technical Advances. , 2020, , 235-249. | | 0 |
| 50 | Transcriptomics in Deciphering Stress Tolerance in Plants. , 2020, , 531-542. | | 0 |