

# Soumen Bhattacharjee

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,270  
citations

687363

13  
h-index

395702

33  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1801  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. <i>Frontiers in Plant Science</i> , 2015, 6, 420.                                                                                 | 3.6 | 552       |
| 2  | The Language of Reactive Oxygen Species Signaling in Plants. <i>Journal of Botany</i> , 2012, 2012, 1-22.                                                                                                                                                  | 1.2 | 144       |
| 3  | Nutritional composition, mineral content, antioxidant activity and quantitative estimation of water soluble vitamins and phenolics by RP-HPLC in some lesser used wild edible plants. <i>Heliyon</i> , 2019, 5, e01431.                                    | 3.2 | 74        |
| 4  | Calcium-dependent signaling pathway in the heat-induced oxidative injury in <i>Amaranthus lividus</i> . <i>Biologia Plantarum</i> , 2008, 52, 137-140.                                                                                                     | 1.9 | 49        |
| 5  | Bacteriological, Clinical and Virulence Aspects of <i>Aeromonas</i> -associated Diseases in Humans. <i>Polish Journal of Microbiology</i> , 2018, 67, 137-150.                                                                                             | 1.7 | 49        |
| 6  | An inductive pulse of hydrogen peroxide pretreatment restores redox-homeostasis and oxidative membrane damage under extremes of temperature in two rice cultivars. <i>Plant Growth Regulation</i> , 2012, 68, 395-410.                                     | 3.4 | 47        |
| 7  | Differential competence of redox-regulatory mechanism under extremes of temperature determines growth performances and cross tolerance in two indica rice cultivars. <i>Journal of Plant Physiology</i> , 2015, 176, 65-77.                                | 3.5 | 33        |
| 8  | Sites of Generation and Physicochemical Basis of Formation of Reactive Oxygen Species in Plant Cell. , 2010, , 1-30.                                                                                                                                       |     | 29        |
| 9  | Heat and chilling induced disruption of redox homeostasis and its regulation by hydrogen peroxide in germinating rice seeds ( <i>Oryza sativa</i> L., Cultivar Ratna). <i>Physiology and Molecular Biology of Plants</i> , 2013, 19, 199-207.              | 3.1 | 26        |
| 10 | Redox metabolic and molecular parameters for screening drought tolerant indigenous aromatic rice cultivars. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 7-23.                                                                            | 3.1 | 24        |
| 11 | Accumulation of Polyphenolic Compounds and Osmolytes under Dehydration Stress and Their Implication in Redox Regulation in Four Indigenous Aromatic Rice Cultivars. <i>Rice Science</i> , 2020, 27, 329-344.                                               | 3.9 | 24        |
| 12 | Complementation of ROS scavenging secondary metabolites with enzymatic antioxidant defense system augments redox-regulation property under salinity stress in rice. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1623-1633.               | 3.1 | 19        |
| 13 | ROS and Oxidative Stress: Origin and Implication. , 2019, , 1-31.                                                                                                                                                                                          |     | 18        |
| 14 | Entry, infection, replication, and egress of human polyomaviruses: an update. <i>Canadian Journal of Microbiology</i> , 2017, 63, 193-211.                                                                                                                 | 1.7 | 16        |
| 15 | The interaction of reactive oxygen species and antioxidants at the metabolic interface in salicylic acid-induced adventitious root formation in mung bean [ <i>Vigna radiata</i> (L.) R. Wilczek]. <i>Journal of Plant Physiology</i> , 2020, 248, 153152. | 3.5 | 13        |
| 16 | Triadimefon pretreatment protects newly assembled membrane system and causes up-regulation of stress proteins in salinity stressed <i>Amaranthus lividus</i> L. during early germination. <i>Journal of Environmental Biology</i> , 2008, 29, 805-10.      | 0.5 | 13        |
| 17 | Antioxidant Signaling and Redox Regulation in Drought- and Salinity-Stressed Plants. , 2016, , 465-498.                                                                                                                                                    |     | 10        |
| 18 | ROS and Regulation of Photosynthesis. , 2019, , 107-125.                                                                                                                                                                                                   |     | 10        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Redox-regulation of germination during imbibitional oxidative and chilling stress in an indica rice cultivar ( <i>Oryza sativa</i> L., Cultivar Ratna). <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 649-665.                                                                                                     | 3.1 | 9         |
| 20 | Involvement of calcium and calmodulin in oxidative and temperature stress of <i>Amaranthus lividus</i> L. during early germination. <i>Journal of Environmental Biology</i> , 2009, 30, 557-62.                                                                                                                                    | 0.5 | 9         |
| 21 | Synthesis, Characterization, and Comparison of Host-Guest Complexes of $\beta$ -CD with Vitamins Explored through Their Biological Activities. <i>ACS Omega</i> , 2019, 4, 7151-7175.                                                                                                                                              | 3.5 | 7         |
| 22 | Assessment of anti-inflammatory and anti-arthritic properties of <i>Acmella uliginosa</i> (Sw.) Cass. based on experiments in arthritic rat models and qualitative GC/MS analyses.. <i>Journal of Intercultural Ethnopharmacology</i> , 2016, 5, 257.                                                                              | 0.9 | 7         |
| 23 | Acetylcholinesterase, Butyrylcholinesterase and Glutathione S-Transferase Enzyme Activities and Their Correlation with Genotypic Variations Based on GST M1 and GST T1 Loci in Long Term-Pesticide-Exposed Tea Garden Workers of Sub-Himalayan West Bengal. <i>Toxicology and Environmental Health Sciences</i> , 2019, 11, 63-72. | 2.1 | 6         |
| 24 | RP-HPLC based evidences of rich sources of Phenolics and water-soluble vitamins in an annual sedge <i>Cyperus compressus</i> . <i>The Journal of Phytopharmacology</i> , 2018, 7, 305-311.                                                                                                                                         | 0.3 | 6         |
| 25 | Study of the KIR gene profiles and analysis of the phylogenetic relationships of Rajbanshi population of West Bengal, India. <i>Human Immunology</i> , 2013, 74, 673-680.                                                                                                                                                          | 2.4 | 5         |
| 26 | Human migration, diversity and disease association: a convergent role of established and emerging DNA markers. <i>Frontiers in Genetics</i> , 2013, 4, 155.                                                                                                                                                                        | 2.3 | 5         |
| 27 | Hydrogen Peroxide Induced Antioxidant-Coupled Redox Regulation of Germination in Rice: Redox Metabolic, Transcriptomic and Proteomic Evidences. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1084-1106.                                                                                                                   | 5.1 | 5         |
| 28 | Study of the Genetic Diversity of the Ornamental Fish <i>Badis badis</i> (Hamilton-Buchanan, 1822) in the Terai Region of Sub-Himalayan West Bengal, India. <i>International Journal of Biodiversity</i> , 2014, 2014, 1-10.                                                                                                       | 0.7 | 4         |
| 29 | Redox Gateway Associated with Adventitious Root Formation Under Stress and Hormonal Signalling in Plants. <i>Current Science</i> , 2020, 119, 462.                                                                                                                                                                                 | 0.8 | 4         |
| 30 | Anti-diabetic, anti-inflammatory and anti-oxidant properties of four underutilized ethnomedicinal plants of West Bengal, India: an in vitro approach. <i>South African Journal of Botany</i> , 2022, 149, 768-780.                                                                                                                 | 2.5 | 4         |
| 31 | Role of genomic and proteomic tools in the study of host-virus interactions and virus evolution. <i>Indian Journal of Virology: an Official Organ of Indian Virological Society</i> , 2013, 24, 306-311.                                                                                                                           | 0.7 | 3         |
| 32 | Study of genetic diversity of KIR and TLR in the Rabhas, an endogamous primitive tribe of India. <i>Human Immunology</i> , 2015, 76, 789-794.                                                                                                                                                                                      | 2.4 | 3         |
| 33 | A Report About the National Seminar on "Contemporary Progress in Plant Sciences" (March 2021), The National Academy of Sciences, India, 2017, 40, 225-226.                                                                                                                                                                         | 1.3 | 3         |
| 34 | Amaranth: A reservoir of antioxidant-based phytonutrient for combating degenerative diseases. <i>Studies in Natural Products Chemistry</i> , 2020, , 81-121.                                                                                                                                                                       | 1.8 | 3         |
| 35 | Foliar anti-diabetic and antioxidant potential of a promising accession of <i>Amaranthus hypochondriacus</i> L.: GC-MS based evidences. <i>The Journal of Phytopharmacology</i> , 2018, 7, 121-126.                                                                                                                                | 0.3 | 3         |
| 36 | Recent advances in host-virus interactomics during entry and infection. <i>Virus Adaptation and Treatment</i> , 2015, , 57.                                                                                                                                                                                                        | 1.5 | 2         |

| #  | ARTICLE                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | ROS and Antioxidants: Relationship in Green Cells. , 2019, , 33-63.                                                                                                                                                                   |     | 2         |
| 38 | In vivo and in silico investigations of the toxicological and analgesic properties of unprocessed Aloe vera gel in experimental rat models. Archives of Biological Sciences, 2018, 70, 727-735.                                       | 0.5 | 2         |
| 39 | Analyses of genetic diversity of <i>Badis badis</i> (Hamilton-Buchanan 1822) from three Riverine systems in sub-Himalayan biodiversity hotspot of west Bengal, India using RAPD and ISSR fingerprinting. Genetika, 2018, 50, 771-790. | 0.4 | 2         |
| 40 | Molecular Analysis of JC Polyomavirus Genotypes Circulating among Tribal Populations of North-Eastern West Bengal, India. Polish Journal of Microbiology, 2014, 63, 191-201.                                                          | 1.7 | 2         |
| 41 | Reactive Oxygen Species-Associated Mechanism of Acclamatory Stress Tolerance, Signaling and Redox-Regulated Gene Expression in Plants. , 2014, , 149-175.                                                                             |     | 1         |
| 42 | Genetic Characterization of <i>Barilius barna</i> (Hamilton, 1822) in the Teesta River of Sub-Himalayan West Bengal, India, Through RAPD and ISSR Fingerprinting. Proceedings of the Zoological Society, 2018, 71, 203-212.           | 1.0 | 1         |
| 43 | ROS: Central Component of Signaling Network in Plant Cell. , 2019, , 127-153.                                                                                                                                                         |     | 1         |
| 44 | Genetic Diversity and Population Structure Analyses of Threatened <i>Amblyceps mangois</i> from Sub-Himalayan West Bengal, India Through Rapd and ISSR Fingerprinting. Ribarstvo, Croatian Journal of Fisheries, 2019, 77, 33-50.     | 0.6 | 1         |
| 45 | ROS and Oxidative Modification of Cellular Components. , 2019, , 81-105.                                                                                                                                                              |     | 0         |
| 46 | Exploring Oxidative Stress in Plants: Proteomic and Genomic Approaches. , 2019, , 155-187.                                                                                                                                            |     | 0         |
| 47 | Frequency of glutathione S-Transferase M1, T1 and P1 genotypes and their combinations in northern West Bengal, India: Implications for disease association. Gene Reports, 2021, 25, 101313.                                           | 0.8 | 0         |
| 48 | Population and hierarchical genetic structure of <i>Badis badis</i> (Hamilton-Buchanan, 1822) in sub-Himalayan Terai region of West Bengal, India.. International Journal of Aquaculture, 0, , .                                      | 0.0 | 0         |
| 49 | Evaluation of Selected Invasive Alien Species <i>via</i> Bioprospecting as Potential Sources of Food Supplements. Animal Nutrition and Feed Technology, 2019, 19, 137.                                                                | 0.2 | 0         |
| 50 | Genetic and seasonal variability of bioactive polyphenolic compounds and antioxidant-based phytonutrient promise of diverse vegetable amaranths of Indo-Gangetic plains of West Bengal. JSFA Reports, 2022, 2, 116-130.               | 0.8 | 0         |
| 51 | Exploring Polyphenol Based Bioactive Antioxidants of Underutilized Herb <i>Amaranthus Spinosus</i> L. for Medicinal Purposes. Journal of Exploratory Research in Pharmacology, 2022, 000, 000-000.                                    | 0.4 | 0         |