

Research papers published in peer reviewed international/national journals

1. **Aditya M**, Gangopadhyay S, Bhattacharjee S. (2025) Bioactive Polyphenolic Compounds and *In Vitro* Anti-degenerative Property-based Pharmacological Propensities of Some Promising Germplasm of *Amaranthus hypochondriacus* L.. *J Explor Res Pharmacol*;10(4):e00037. doi: 10.14218/JERP.2025.00037.
2. **Aditya M**, Sen D, Bhattacharjee S. (2022) Drought tolerance promoted by complementation of ascorbate-glutathione system and antioxidant-rich phytochemicals in *Amaranthus hypochondriacus* L. *JSFARports.*; 2(11):556–74. <https://doi.org/10.1002/jsf2.89>
3. **Aditya. M**, Sen. D, Bhattacharjee. S (2022) Polyphenol based therapeutic potential of Amaranths. In A closer look at polyphenolics, Food Sc. And technology, **Nova Science Publishers Inc.** New York (Peter Bertollini ed.) doi <https://doi.org/10.52305/QQNR6474>. **ISBN: 978-1685074807**.
4. **Aditya. M**, Sen. D, Bhattacharjee. S (2020) Amaranth: A reservoir of antioxidant- based phytonutrient for combating degenerative diseases. **Studies in Natural Products Chemistry. (Bioactive Substances)Elsevier.** Volume 67: 81-116.**ISSN: 15725995 IF: 6.92**
5. Dey N, Roy UK, **Aditya M**, Bhattacharjee S (2020) Defensive strategies of ROS in Programmed Cell Death associated with hypertensive response in plant pathogenesis. *Ann Syst Biol* 3(1): 001-009. DOI: <https://dx.doi.org/10.17352/asb.000004>**ISSN: 2692-4765**
6. **Aditya M** and Bhattacharjee S (2018) Foliar anti-diabetic and antioxidant potential of a promising accession of *Amaranthus hypochondriacus*L.: GC-MS based evidences.**The Journal of Phytopharmacology** 7(2): 121-126**ISSN 2320-480X**
7. **Aditya M** and Bhattacharjee S (2018) Rich Foliar Antioxidant Based Phytonutrient Potential of a Grain Amaranth (*Amaranthushypochondriacus*L.): RP-HPLC Based Evidences. **AASCIT Journal of Bioscience** 4(2)pp. 17-21.**ISSN: 2381-1250**
8. **Aditya M**, Sil T, Bhattacharjee S (2018) RP-HPLC and GC-MS based Identification of Phenolic Acids, Flavonoids and Hydroxyl Containing Compounds from One of the Lead Accessions of *Amaranthus hypochondriacus*L. Identified on the Basis of Biomarkers of Antioxidant Potential. **Basic Appl Pharm Pharmacol** 1(1):102-109.
9. **Aditya M** and Bhattacharjee S (2018). Reactive oxygen species and antioxidative defense in plant cell. In *Plants The Natural Wonder: Challenges & Avenues.* (De &Hens Eds) pp-22-31
10. **Aditya M** and Bhattacharjee S (2017) GC-Mass Based Evidences of Rich Foliar Antioxidant Potential of A Seed Amaranth *Amaranthus Hypochondriacus* L. Accession No. IC47434). **Annals of Pharmacology and Pharmaceutics** 2(18): 1097**ISSN 2573-6051**
11. Chakrabarty A, **Aditya M**, Dey N, Banik N, Bhattacharjee S(2016) Antioxidant signaling and redox regulation in drought and salinity stressed plants. In *Drought stress tolerance in plants,* **Springer International** (Hossain et al. eds.) doi 10.1007/978-3-319-28899-4.**ISBN: 978-3-319-28899-4**

Papers Proceedings in International, National Conferences & Award Received

- 1. Aditya M and Bhattacharjee S (2017) GC-MS based identification of flavonoids from one of the lead accessions of *Amaranthus hypochondriacus* L. identified on the basis of comparative study of antioxidant capacity, reducing power, metal chelating and anti-lipid peroxidation properties. **Proceedings of 2nd Regional State Science and Technology Congress (Western Region)**. November 16-17, BO-01, p. 23**
- 2. Aditya M and Bhattacharjee S (2017) Screening ten promising accessions of *Amaranthus hypochondriacus* L. for their phytochemicals having radical scavenging properties and GC-MS based identification of flavonoids from the lead accessions. **Proceedings of 38th Annual Meeting of Plant Tissue Culture Association (India) & National symposium on plant biotechnology. CSIR-Indian Institute of Chemical Biology, Kolkata.**(March 3-5, 2017) p.60**
- 3. Aditya M and Bhattacharjee S (2016) Reactive Oxygen Species and antioxidative defence in plant cell. **Proceedings of UGC Sponsored National Seminar at the dept. of Botany, Sonamukhi College in collaboration with The University of Burdwan, Burdwan.**(October 4-5, 2016) p.22-31**
- 4. Aditya M, Chakrabarty A, Kora D and Bhattacharjee S (2016) GC-MS based comparative evaluation of antioxidant potentials of two promising accessions of *Amaranthus hypochondriacus* L. **Proceedings of State level Seminar at Narendrapur, Kolkata, (March 4th 2016.)****
- 5. Aditya M and Bhattacharjee S (2016) Exploring antioxidant potential and GC-MS based identification of hydroxy-phenol rich flavonoids in two promising accessions of *Amaranthus hypochondriacus* L. **Proceedings of the “The green planet: Past, present and future”. International Conference, University of Calcutta. Kolkata** (Dec 21-23, 2016) OP-T6-3 p.59**
- 6. Aditya M and Bhattacharjee S (2015) A comparative evaluation of GC-MS based phytochemicals, in vitro radical scavenging properties, antioxidant content and yield performance of two promising accessions of *Amaranthus hypochondriacus*. **Proceedings of 3rd International Plant Physiology Congress: “Challenges and Strategies in Plant Biology Research.” JNU, New Delhi.** (December 11-14, 2015) PD222 (IPP0406) p.227**
- 7. Aditya M and Bhattacharjee S (2014) In vitro radical scavenging properties, antioxidant contents and yield performance of some selected accessions of *Amaranthus hypochondriacus* L. **Proceedings of National Seminar at the department of Botany, The University of Burdwan, Burdwan.** (March 20-21, 2015) p.32-3**