Debabrata Panda

List of Publications by Citations

50 papers	673 citations	12 h-index	24 g-index
51 ext. papers	870 ext. citations	2.6 avg, IF	4.79 L-index

#	Paper	IF	Citations
50	Submergence tolerance in relation to variable floodwater conditions in rice. *Environmental and Experimental Botany*, **2009**, 66, 425-434	5.9	114
49	Chlorophyll fluorescence parameters, CO2 photosynthetic rate and regeneration capacity as a result of complete submergence and subsequent re-emergence in rice (Oryza sativa L.). *Aquatic Botany*, **2008**, 88, 127-133	1.8	101
48	Submergence effects on rice genotypes during seedling stage: Probing of submergence driven changes of photosystem 2 by chlorophyll a fluorescence induction O-J-I-P transients. *Photosynthetica*, **2006**, 44, 69-75	2.2	78
47	Drought Tolerance in Rice: Focus on Recent Mechanisms and Approaches. *Rice Science*, **2021**, 28, 119-132	3.8	34
46	Natural leaf senescence: probed by chlorophyll fluorescence, CO2 photosynthetic rate and antioxidant enzyme activities during grain filling in different rice cultivars. *Physiology and Molecular Biology of Plants*, **2013**, 19, 43-51	2.8	31
45	Leaf Traits and Antioxidant Defense for Drought Tolerance During Early Growth Stage in Some Popular Traditional Rice Landraces from Koraput, India. *Rice Science*, **2017**, 24, 207-217	3.8	26
44	Distinction and characterisation of submergence tolerant and sensitive rice cultivars, probed by the fluorescence OJIP rise kinetics. *Functional Plant Biology*, **2009**, 36, 222-233	2.7	24
43	Growth and physiological response of lemongrass (Cymbopogon citratus (D.C.) Stapf.) under different levels of fly ash-amended soil. *International Journal of Phytoremediation*, **2018**, 20, 538-544	3.9	23
42	Effects of different treatments of fly ash and mining soil on growth and antioxidant protection of Indian wild rice. *International Journal of Phytoremediation*, **2017**, 19, 446-452	3.9	23
41	Leaf Photosynthetic Activity and Antioxidant Defense Associated with Sub1 QTL in Rice Subjected to Submergence and Subsequent Re-aeration. *Rice Science*, **2012**, 19, 108-116	3.8	21
40	Potential of Neglected and Underutilized Yams (spp.) for Improving Nutritional Security and Health Benefits. *Frontiers in Pharmacology*, **2020**, 11, 496	5.6	18
39	Phytoremediation potential of naturally growing weed plants grown on fly ash-amended soil for restoration of fly ash deposit. *International Journal of Phytoremediation*, **2020**, 22, 1195-1203	3.9	13
38	Mechanism associated with nonstructural carbohydrate accumulation in submergence tolerant rice (Oryza sativa L.) cultivars. *Journal of Plant Interactions*, **2014**, 9, 62-68	3.8	12
37	Physiological characterization and allelic diversity of selected drought tolerant traditional rice (L.) landraces of Koraput, India. *Physiology and Molecular Biology of Plants*, **2018**, 24, 1035-1046	2.8	12
36	Nutritional, anti-nutritional and physico-functional properties of wild edible yam (Dioscorea spp.) tubers from Koraput, India. *Food Bioscience*, **2020**, 34, 100527	4.9	11
35	Characterization of Leaf Gas Exchange and Anti-oxidant Defense of Rice (Oryza sativa L.) Cultivars Differing in Submergence Tolerance Owing to Complete Submergence and Consequent Re-aeration. *Agricultural Research*, **2013**, 2, 301-308	1.4	10
34	Genotypic variability for drought tolerance-related morpho-physiological traits among indigenous rice landraces of Jeypore tract of Odisha, India. *Journal of Crop Improvement*, **2019**, 33, 254-278	1.4	10

33	Genotypic variation of photosynthetic gas exchange and stomatal traits in some traditional rice (L.) landraces from Koraput, India for crop improvement. *Physiology and Molecular Biology of Plants*, **2018**, 24, 973-983	2.8	10
32	Variation of photosynthetic characteristics and yield in wild and cultivated species of yams (Dioscorea spp.) from Koraput, India. *Photosynthetica*, **2018**, 56, 1010-1018	2.2	8
31	Improvement of Growth, Photosynthesis and Antioxidant Defense in Rice (Oryza sativa L.) Grown in Fly Ash-Amended Soil. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2019**, 89, 853-860	1.4	8
30	ROLE OF NON-STRUCTURAL CARBOHYDRATE AND ITS CATABOLISM ASSOCIATED WITH SUB 1 QTL IN RICE SUBJECTED TO COMPLETE SUBMERGENCE. *Experimental Agriculture*, **2012**, 48, 502-512	1.7	8
29	Physiological response of metal tolerance and detoxification in castor (L.) under fly ash-amended soil. *Heliyon*, **2020**, 6, e04567	3.6	8
28	Flooding Tolerance in Rice: Focus on Mechanisms and Approaches. *Rice Science*, **2021**, 28, 43-57	3.8	7
27	Can rice cultivar with submergence tolerant quantitative trait locus (SUB1) manage submergence stress better during reproductive stage?. *Archives of Agronomy and Soil Science*, **2017**, 63, 998-1008	2	6
26	Evaluation of mineral bioavailability and heavy metal content in indigenous food plant wild yams (spp.) from Koraput, India. *Journal of Food Science and Technology*, **2018**, 55, 4681-4686	3.3	6
25	Leaf photosynthesis and antioxidant response in selected traditional rice landraces of Jeypore tract of Odisha, India to submergence. *Physiology and Molecular Biology of Plants*, **2019**, 25, 847-863	2.8	5
24	Genetic differentiation in Indian Major Carp, Cirrhinus mrigala (Hamilton, 1822) from Indian Rivers, as revealed by direct sequencing analysis of mitochondrial Cytochrome b region. *Mitochondrial DNA* , **2015**, 26, 334-6		4
23	Natural antioxidant potential of selected underutilized wild yams (spp.) for health benefit. *Journal of Food Science and Technology*, **2020**, 57, 2370-2376	3.3	4
22	The population structure and genetic divergence of Labeo gonius (Hamilton, 1822) analyzed through mitochondrial DNA cytochrome b gene for conservation in Indian waters. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2018**, 29, 543-551	1.3	4
21	Genetic variability and inter species relationship between wild and cultivated yams (spp.) from Koraput, India based on molecular and morphological markers. *Physiology and Molecular Biology of Plants*, **2019**, 25, 1225-1233	2.8	4
20	Harnessing leaf photosynthetic traits and antioxidant defence for multiple stress tolerance in three premium indigenous rice landraces of Jeypore tract of Odisha, India. *Functional Plant Biology*, **2020**, 47, 99-111	2.7	3
19	Role of starch hydrolytic enzymes and phosphatases in relation to under water seedling establishment in rice. *Indian Journal of Plant Physiology*, **2017**, 22, 279-286		3
18	Assessment of Variation in Morpho-Physiological Traits and Genetic Diversity in Relation to Submergence Tolerance of Five Indigenous Lowland Rice Landraces. *Rice Science*, **2020**, 27, 32-43	3.8	3
17	Potential of Underutilized Wild Crops in Koraput, Odisha, India for Improving Nutritional Security and Promoting Climate Resilience. *Current Science*, **2021**, 120, 989	2.2	3
16	Data on genetic potentiality of folk rice (L.) genotypes from Koraput, India in reference to drought tolerance traits. *Data in Brief*, **2019**, 25, 104363	1.2	2

15	Yield and photochemical activity of selected rice cultivars from Eastern India under medium depth stagnant flooding. *Photosynthetica*, **2019**, 57, 1084-1093	2.2	2
14	Genetic potentiality of lowland indigenous indica rice (Oryza sativa L.) landraces to anaerobic germination potential. *Plant Physiology Reports*, **2019**, 24, 249-261	1.4	2
13	Sprouting-Associated Changes in Nutritional and Physico-Functional Properties of Indigenous Millets from Koraput, India. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2020**, 90, 79-86	1.4	2
12	Genetic diversity of under-utilized indigenous finger millet genotypes from Koraput, India for crop improvement. *Journal of Plant Biochemistry and Biotechnology*, **2021**, 30, 99-116	1.6	2
11	Suitability of Brahmi (L.) cultivation on fly ash-amended soil for better growth and oil content. *International Journal of Phytoremediation*, **2021**, 23, 72-79	3.9	2
10	Differential drought tolerance responses in short-grain aromatic rice germplasms from Koraput valley of Eastern Ghats of India. *Plant Physiology Reports*,1	1.4	1
9	Genetic variability of panicle architecture in indigenous rice landraces of Koraput region of Eastern Ghats of India for crop improvement. *Physiology and Molecular Biology of Plants*, **2020**, 26, 1961-1971	2.8	1
8	Improvement of Rice Quality: The New Revolution **2020**, 87-108		1
7	Recent Advances of Genetic Resources, Genes and Genetic Approaches for Flooding Tolerance in Rice. *Current Genomics*, **2021**, 22, 41-58	2.6	1
6	Role of Ascorbate and Ascorbate Glutathione Cycle for Photosynthetic Protection in Selected Indigenous Rice Landraces Under Drought Stress. *Agricultural Research*, **2021**, 10, 187-192	1.4	1
5	Physiological introspection of leaf photochemical activity and antioxidant metabolism in selected indigenous finger millet genotypes in relation to drought stress. *Cereal Research Communications*,1	1.1	1
4	Potentiality of Bat Guano as Organic Manure for Improvement of Growth and Photosynthetic Response in Crop Plants. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2021**, 91, 185-193	1.4	0
3	Data assessing genotypic variations in selected traditional rice landraces of Jeypore tract of Odisha, India based on photosynthetic traits. *Data in Brief*, **2019**, 25, 104305	1.2	
2	Vegetation performance of Niger on bauxite mining soil for sustainable cultivation in overburden disposal area. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2021**, 91, 665-673	1.4	
1	Advancement in Omics Technologies for Enhancing Abiotic Stress Tolerance in Finger Millet **2022**, 559-574		