

Amaresh Chandra

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Changes in physio-biochemical attributes and dry matter accumulation vis a vis analysis of genes during drought and stress recovery at tillering stage of sugarcane. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	2.1	5
2	Early Accumulation of Sucrose and Expression Behavior of Genes Associated with Sucrose Accumulation in Sugarcane Ratoon Crop Exposed to Gibberellin Influencing Source-sink Dynamics. <i>Sugar Tech</i> , 2021, 23, 697-703.	1.8	2
3	Microbiome analysis of rhizospheres of plant and winter-initiated ratoon crops of sugarcane grown in sub-tropical India: utility to improve ratoon crop productivity. <i>3 Biotech</i> , 2021, 11, 34.	2.2	9
4	A highly contiguous reference genome assembly for <i>Colletotrichum falcatum</i> pathotype Cf08 causing red rot disease in sugarcane. <i>3 Biotech</i> , 2021, 11, 148.	2.2	0
5	Strategies to mitigate the adverse effect of drought stress on crop plants-influences of soil bacteria: A review. <i>Pedosphere</i> , 2021, 31, 496-509.	4.0	69
6	Whole genome sequence insight of two plant growth-promoting bacteria (<i>B. subtilis</i> BS87 and <i>B. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>) potentiality. <i>Microbiological Research</i> , 2021, 247, 126733.	5.3	28
7	DREBs-potential transcription factors involve in combating abiotic stress tolerance in plants. <i>Biologia (Poland)</i> , 2021, 76, 3043-3055.	1.5	12
8	Plant growth promoting <i>Bacillus</i> -based bio formulations improve wheat rhizosphere biological activity, nutrient uptake and growth of the plant. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	2.1	8
9	Identification and Validation of Differentially Expressing Transcripts from Top and Bottom Internodes of High-Sucrose Sugarcane Variety CoJ64. <i>Sugar Tech</i> , 2020, 22, 89-97.	1.8	1
10	Increase in Sink Demand in Response to Perturbed Source-Sink Communication by Partial Shading in Sugarcane. <i>Sugar Tech</i> , 2019, 21, 672-677.	1.8	7
11	Transcriptome analysis of the effect of GA3 in sugarcane culm. <i>3 Biotech</i> , 2019, 9, 376.	2.2	6
12	Expression analysis of genes associated with sucrose accumulation and its effect on source-sink relationship in high sucrose accumulating early maturing sugarcane variety. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 207-220.	3.1	25
13	Physio-biochemical assessment and expression analysis of genes associated with drought tolerance in sugarcane (<i>Saccharum</i> spp. hybrids) exposed to GA ₃ at grand growth stage. <i>Plant Biology</i> , 2019, 21, 45-53.	3.8	15
14	Identification of New <i>Leuconostoc</i> Species Responsible for Post-harvest Sucrose Losses in Sugarcane. <i>Sugar Tech</i> , 2018, 20, 492-496.	1.8	11
15	Isolation and molecular characterization of plant growth-promoting <i>Bacillus</i> spp. and their impact on sugarcane (<i>Saccharum</i> spp. hybrids) growth and tolerance towards drought stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	29
16	Gibberellin-induced perturbation of source-sink communication promotes sucrose accumulation in sugarcane. <i>3 Biotech</i> , 2018, 8, 418.	2.2	10
17	Biochemical Profiling of Source and Sink Tissues at Different Growth Stages of Early and Late Maturing Varieties of Sugarcane (<i>Saccharum</i> spp. hybrids). <i>Biosciences, Biotechnology Research Asia</i> , 2018, 15, 611-618.	0.5	1
18	Expression analysis of genes associated with sucrose accumulation in sugarcane under normal and GA3-induced source-sink perturbed conditions. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	11

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19	Soluble Acid Invertase (SAI) Activity and Gene Expression Controlling Sugar Composition in Sugarcane. <i>Sugar Tech</i> , 2017, 19, 669-674.	1.8	8
20	Detection of <i>Puccinia kuehnii</i> Causing Sugarcane Orange Rust with a Loop-Mediated Isothermal Amplification-Based Assay. <i>Molecular Biotechnology</i> , 2016, 58, 188-196.	2.4	7
21	Expression analysis of genes associated with sucrose accumulation in sugarcane (<i>Saccharum</i>) Tj ETQq1 1 0.784314 rgBT /Over 608-617.	3.8	32
22	Inhibitory Effect of Pre-harvest Foliar Application of Zinc Sulphate on Sucrose Inversion in the Harvested Sugarcane. <i>Sugar Tech</i> , 2015, 17, 322-324.	1.8	2
23	Physiological Changes and Expression of SOD and P5CS Genes in Response to Water Deficit in Sugarcane. <i>Sugar Tech</i> , 2015, 17, 276-282.	1.8	48
24	Loop-mediated isothermal amplification (LAMP) based detection of <i>Colletotrichum falcatum</i> causing red rot in sugarcane. <i>Molecular Biology Reports</i> , 2015, 42, 1309-1316.	2.3	32
25	Development of a reverse transcription loop-mediated isothermal amplification (RT-LAMP) assay for the detection of Sugarcane mosaic virus and Sorghum mosaic virus in sugarcane. <i>Journal of Virological Methods</i> , 2015, 212, 23-29.	2.1	54
26	Physiological Interventions for Enhancing Sugarcane and Sugar Productivity. <i>Sugar Tech</i> , 2015, 17, 215-226.	1.8	9
27	Partial Gene Sequence of Soluble Acid Invertase Gene from <i>Saccharum spontaneum</i> : A First Report. <i>The National Academy of Sciences, India</i> , 2014, 37, 317-323.	1.3	1
28	Exploiting EST databases for the development and characterisation of 3425 gene-tagged CISP markers in biofuel crop sugarcane and their transferability in cereals and orphan tropical grasses. <i>BMC Research Notes</i> , 2013, 6, 47.	1.4	12
29	Impact of Exogenously Applied Enzymes Effectors on Sucrose Metabolizing Enzymes (SPS, SS and SAI) and Sucrose Content in Sugarcane. <i>Sugar Tech</i> , 2013, 15, 370-378.	1.8	13
30	Assessment of genetic diversity and morpho-physiological traits related to drought tolerance in <i>Stylosanthes scabra</i> . <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3127-3136.	2.1	5
31	Development and characterization of microsatellite markers from tropical forage <i>Stylosanthes</i> species and analysis of genetic variability and cross-species transferability. <i>Genome</i> , 2011, 54, 1016-1028.	2.0	10
32	Physico-Chemical Method of Preserving Sucrose in Harvested Sugarcane at High Ambient Temperature in a Sub-Tropical Climate. <i>Sugar Tech</i> , 2011, 13, 60-67.	1.8	14
33	Physio-Biochemical and Molecular Approaches to Enhance Sucrose Content in Sugarcane: Indian Initiatives. <i>Sugar Tech</i> , 2011, 13, 315-321.	1.8	7
34	Effect of ethephon and calcium chloride on growth and biochemical attributes of sugarcane bud chips. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 905-910.	2.1	7
35	Impact of excess zinc on growth parameters, cell division, nutrient accumulation, photosynthetic pigments and oxidative stress of sugarcane (<i>Saccharum</i> spp.). <i>Acta Physiologiae Plantarum</i> , 2010, 32, 979-986.	2.1	152
36	Effect of ploidy levels on the activities of γ -1-pyrroline-5-carboxylate synthetase, superoxide dismutase and peroxidase in <i>Cenchrus</i> species grown under water stress. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 27-34.	5.8	40

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37	Assessment of ploidy level on stress tolerance of <i>Cenchrus</i> species based on leaf photosynthetic characteristics. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 1003-1013.	2.1	18
38	Molecular Assessment of Variation in <i>Stylosanthes fruticosa</i> Accessions Employing STS and RAPD Markers. <i>Cytologia</i> , 2007, 72, 251-258.	0.6	5
39	Bulk Genomic DNA PCR Analysis-A Rapid Method to Estimate Genetic Relatedness among Heterogeneous Lucerne (<i>Medicago sativa</i> L.) Cultivars. <i>Cytologia</i> , 2007, 72, 363-368.	0.6	4
40	Change in phenylalanine ammonia lyase activity and isozyme patterns of polyphenol oxidase and peroxidase by salicylic acid leading to enhance resistance in cowpea against <i>Rhizoctonia solani</i> . <i>Acta Physiologiae Plantarum</i> , 2007, 29, 361-367.	2.1	36
41	Evaluation of genus <i>Cenchrus</i> based on malondialdehyde, proline content, specific leaf area and carbon isotope discrimination for drought tolerance and divergence of species at DNA level. <i>Acta Physiologiae Plantarum</i> , 2007, 30, 53-61.	2.1	14
42	Carbon isotope discrimination function analysis and drought tolerance of stylo species grown under rain-fed environment. <i>Acta Physiologiae Plantarum</i> , 2007, 30, 63-69.	2.1	5
43	Effect of salicylic acid on morphological and biochemical attributes in cowpea. <i>Journal of Environmental Biology</i> , 2007, 28, 193-6.	0.5	18
44	Polymorphism and Genotype-specific Markers for <i>Dichanthium</i> Identified by Random Amplified Polymorphic DNA. <i>Genetic Resources and Crop Evolution</i> , 2006, 53, 1521-1529.	1.6	6
45	Variation in Drought Tolerance of Different <i>Stylosanthes</i> Accessions. <i>Biologia Plantarum</i> , 2004, 48, 457-460.	1.9	28
46	Identification of causal relationships among traits related to drought resistance in <i>Stylosanthes scabra</i> using QTL analysis. <i>Journal of Experimental Botany</i> , 2001, 52, 203-214.	4.8	79
47	Effect of Water Stress on Biochemical and Physiological Characteristics of Oat Genotypes. <i>Journal of Agronomy and Crop Science</i> , 1998, 181, 45-48.	3.5	13
48	Morphological and nutritional diversity among accessions of marvel grass (<i>Dichanthium annulatum</i>)	9.3	10