

Harischandra Sripathy Prakash

List of Publications by Year in descending order

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70
papers

1,937
citations

236612

25
h-index

264894

42
g-index

70
all docs

70
docs citations

70
times ranked

2811
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of root apoplastic transport barriers in salt tolerance of rice (<i>Oryza sativa</i> L.). <i>Planta</i> , 2009, 230, 119-134.	1.6	200
2	Zearalenone induced toxicity in SHSY-5Y cells: The role of oxidative stress evidenced by N-acetyl cysteine. <i>Food and Chemical Toxicology</i> , 2014, 65, 335-342.	1.8	117
3	Trichogenic-selenium nanoparticles enhance disease suppressive ability of <i>Trichoderma</i> against downy mildew disease caused by <i>Sclerospora graminicola</i> in pearl millet. <i>Scientific Reports</i> , 2017, 7, 2612.	1.6	92
4	Rosmarinic acid mediated neuroprotective effects against H ₂ O ₂ -induced neuronal cell damage in N2A cells. <i>Life Sciences</i> , 2014, 113, 7-13.	2.0	84
5	Endophytic Fungal Assemblages from Inner Bark and Twig of <i>Terminalia arjuna</i> W. & A. (Combretaceae). <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1535-1540.	1.7	80
6	A Network Map of FGF-1/FGFR Signaling System. <i>Journal of Signal Transduction</i> , 2014, 2014, 1-16.	2.0	80
7	Chitosan induced resistance to downy mildew in sunflower caused by <i>Plasmopara halstedii</i> . <i>Physiological and Molecular Plant Pathology</i> , 2008, 72, 188-194.	1.3	76
8	Detection of Tobacco mosaic virus and Tomato mosaic virus in pepper and tomato by multiplex RT-PCR. <i>Letters in Applied Microbiology</i> , 2011, 53, 359-363.	1.0	72
9	Transcriptome changes in foxtail millet genotypes at high salinity: Identification and characterization of a PHGPX gene specifically up-regulated by NaCl in a salt-tolerant line. <i>Journal of Plant Physiology</i> , 2004, 161, 467-477.	1.6	70
10	Prospects of molecular markers in <i>Fusarium</i> species diversity. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1625-1639.	1.7	63
11	Cytotoxic Effect of p-Coumaric Acid on Neuroblastoma, N2a Cell via Generation of Reactive Oxygen Species Leading to Dysfunction of Mitochondria Inducing Apoptosis and Autophagy. <i>Molecular Neurobiology</i> , 2015, 51, 119-130.	1.9	61
12	Seed biopriming with novel strain of <i>Trichoderma harzianum</i> for the control of toxigenic <i>Fusarium verticillioides</i> and fumonisins in maize. <i>Archives of Phytopathology and Plant Protection</i> , 2010, 43, 264-282.	0.6	57
13	Streptomycete endophytes from anti-diabetic medicinal plants of the Western Ghats inhibit alpha-amylase and promote glucose uptake. <i>Letters in Applied Microbiology</i> , 2014, 58, 433-439.	1.0	57
14	Growth Promoting Rhizospheric and Endophytic Bacteria from <i>Curcuma longa</i> L. as Biocontrol Agents against Rhizome Rot and Leaf Blight Diseases. <i>Plant Pathology Journal</i> , 2018, 34, 218-235.	0.7	57
15	Elicitation of Novel Trichogenic-Lipid Nanoemulsion Signaling Resistance Against Pearl Millet Downy Mildew Disease. <i>Biomolecules</i> , 2020, 10, 25.	1.8	54
16	<i>Beauveria bassiana</i> -A Potential Mycopesticide for the Efficient Control of Coffee Berry Borer, <i>Hypothenemus hampei</i> (Ferrari) in India. <i>Biocontrol Science and Technology</i> , 2001, 11, 251-260.	0.5	49
17	Diversity and bioprospecting of actinomycete endophytes from the medicinal plants. <i>Letters in Applied Microbiology</i> , 2017, 64, 261-270.	1.0	48
18	Differential induction of superoxide dismutase in downy mildew-resistant and -susceptible genotypes of pearl millet. <i>Plant Pathology</i> , 2002, 51, 480-486.	1.2	47

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19	Fungal endophytes of turmeric (<i>Curcuma longa</i> L.) and their biocontrol potential against pathogens <i>Pythium aphanidermatum</i> and <i>Rhizoctonia solani</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 49.	1.7	41
20	Detection and quantification of fumonisins from <i>Fusarium verticillioides</i> in maize grown in southern India. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 71-78.	1.7	32
21	Antioxidant and Neuroprotective Activities of <i>Hyptis suaveolens</i> (L.) Poit. Against Oxidative Stress-Induced Neurotoxicity. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 323-331.	1.7	31
22	Green Synthesis of Gold Nanoparticles from <i>Vitex negundo</i> Leaf Extract to Inhibit Lipopolysaccharide-Induced Inflammation Through In Vitro and In Vivo. <i>Journal of Cluster Science</i> , 2020, 31, 463-477.	1.7	31
23	Hepatoprotective and cytoprotective properties of <i>Hyptis suaveolens</i> against oxidative stress-induced damage by CCl ₄ and H ₂ O ₂ . <i>Asian Pacific Journal of Tropical Medicine</i> , 2012, 5, 868-874.	0.4	30
24	Rhizobacteria-mediated resistance against the blackeye cowpea mosaic strain of bean common mosaic virus in cowpea (<i>Vigna unguiculata</i>). <i>Pest Management Science</i> , 2009, 65, 1059-1064.	1.7	27
25	Identification of Taxol-producing endophytic fungi isolated from <i>Salacia oblonga</i> through genomic mining approach. <i>Journal of Genetic Engineering and Biotechnology</i> , 2015, 13, 119-127.	1.5	27
26	Specific PCR-based detection of <i>Alternaria helianthi</i> : the cause of blight and leaf spot in sunflower. <i>Archives of Microbiology</i> , 2012, 194, 923-932.	1.0	23
27	Dravya, a product of seaweed extract (<i>Sargassum wightii</i>), induces resistance in cotton against <i>Xanthomonas campestris</i> pv. <i>malsvacearum</i> . <i>Phytoparasitica</i> , 2007, 35, 442-449.	0.6	20
28	Discovery, cloning and characterisation of proline specific prolyl endopeptidase, a gluten degrading thermo-stable enzyme from <i>Sphaerobacter thermophiles</i> . <i>Enzyme and Microbial Technology</i> , 2017, 107, 57-63.	1.6	20
29	Attenuation of reactive oxygen/nitrogen species with suppression of inducible nitric oxide synthase expression in RAW 264.7 macrophages by bark extract of <i>Buchanania lanzan</i> . <i>Pharmacognosy Magazine</i> , 2015, 11, 283.	0.3	19
30	Antioxidant and hepatoprotective effects of <i>Solanum xanthocarpum</i> leaf extracts against CCl ₄ -induced liver injury in rats. <i>Pharmaceutical Biology</i> , 2014, 52, 1060-1068.	1.3	17
31	First Report of <i>Bean common mosaic virus</i> Infecting <i>Lablab purpureus</i> in India. <i>Plant Disease</i> , 2011, 95, 881-881.	0.7	15
32	Elicitation of resistance and defense related proteins by Î²-amino butyric acid in sunflower against downy mildew pathogen <i>Plasmopara halstedii</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2009, 42, 1020-1032.	0.6	14
33	Hepatoprotective action of <i>Orthosiphon diffusus</i> (Benth.) methanol active fraction through antioxidant mechanisms: An in vivo and in vitro evaluation. <i>Journal of Ethnopharmacology</i> , 2013, 149, 737-744.	2.0	14
34	Trichovariability in rhizosphere soil samples and their biocontrol potential against downy mildew pathogen in pearl millet. <i>Scientific Reports</i> , 2021, 11, 9517.	1.6	14
35	Induction of resistance against downy mildew on sunflower by rhizobacteria. <i>Journal of Plant Interactions</i> , 2008, 3, 255-262.	1.0	13
36	Antioxidative properties of phenolic compounds isolated from the fungal endophytes of <i>Zingiber nimmonii</i> (J. Graham) Dalzell. <i>Frontiers in Biology</i> , 2017, 12, 151-162.	0.7	13

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37	Strobilurins Seed Treatment Enhances Resistance of Common Bean Against <i>Bean common mosaic virus</i> . <i>Journal of Phytopathology</i> , 2012, 160, 710-716.	0.5	12
38	Bioactive potential of endophytic <i>Myrothecium</i> sp. isolate M1-CA-102, associated with <i>Calophyllum apetalum</i> . <i>Pharmaceutical Biology</i> , 2014, 52, 665-676.	1.3	11
39	Total crude protein extract of <i>Trichoderma</i> spp. induces systemic resistance in pearl millet against the downy mildew pathogen. <i>3 Biotech</i> , 2017, 7, 183.	1.1	11
40	Inhibition of TMV multiplication by siRNA constructs against TOM1 and TOM3 genes of <i>Capsicum annum</i> . <i>Journal of Virological Methods</i> , 2012, 186, 78-85.	1.0	10
41	Detection of <i>tobacco mosaic virus</i> and <i>tomato mosaic virus</i> in pepper seeds by enzyme linked immunosorbent assay (ELISA). <i>Archives of Phytopathology and Plant Protection</i> , 2016, 49, 59-63.	0.6	10
42	First report of the occurrence of <i>Myrothecium verrucaria</i> in watermelon seeds from India. <i>Australasian Plant Disease Notes</i> , 2006, 1, 3.	0.4	9
43	Genetic diversity and antimicrobial activity of endophytic <i>Myrothecium</i> spp. isolated from <i>Calophyllum apetalum</i> and <i>Garcinia morella</i> . <i>Molecular Biology Reports</i> , 2015, 42, 1533-1543.	1.0	8
44	In silico docking studies of α -amylase inhibitors from the anti-diabetic plant <i>Leucas ciliata</i> Benth. and an endophyte, <i>Streptomyces longisporoflavus</i> . <i>3 Biotech</i> , 2021, 11, 51.	1.1	8
45	Bioactive Potential of Medicinal Plants from Western Ghats Region, India. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2014, 20, 221-234.	0.5	7
46	<i>Drosophila Agumdensis</i> , sp. nov. from Karnataka, South India (Diptera : Drosophilidae). <i>Oriental Insects</i> , 1978, 12, 259-263.	0.1	6
47	<i>Drosophila</i> fauna of Sahyadri Hills (Western Ghats) with description of a new species. <i>Proceedings: Animal Sciences</i> , 1979, 88, 65-72.	0.0	6
48	<i>Drosophila</i> fauna of Nagarhole, South India, including description of a new species (Diptera:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 302 T</i>	0.0	6
49	ANTIOXIDATIVE AND ANTIBACTERIAL POTENTIALS OF FUNGAL ENDOPHYTES FROM <i>JUSTICIA WYNAADENSIS</i> HEYNE: AN ETHNOMEDICINAL RAIN FOREST SPECIES OF WESTERN GHATS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 203.	0.3	6
50	Two New Species of <i>Drosophila</i> (<i>Melanogaster</i> Species Group) (Diptera : Drosophilidae). <i>Oriental Insects</i> , 1977, 11, 597-604.	0.1	5
51	Changes in peroxidase activity in sunflower during infection by necrotrophic pathogen <i>Alternaria helianthi</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2008, 41, 586-596.	0.6	5
52	First report of the seed-borne nature of root and collar rot disease caused by <i>Rhizoctonia solani</i> in sunflower from India. <i>Australasian Plant Disease Notes</i> , 2010, 5, 11.	0.4	5
53	Evaluation of genetic stability using FRAPD markers as novel method along with antioxidant and anti-diabetic properties of micropropagated <i>Salacia chinensis</i> L.. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	5
54	Antibacterial metabolites from <i>Bipolaris specifera</i> , an endophytic fungus from the endemic medicinal plant, <i>Zingiber nimmonii</i> (J. Graham) Dalzell. <i>3 Biotech</i> , 2020, 10, 317.	1.1	5

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55	Seasonality and population fluctuations in the <i>Drosophila</i> of Western Ghats. <i>Proceedings: Animal Sciences</i> , 1979, 88, 193-204.	0.0	4
56	Arachidonic acid-induced hypersensitive cell death as an assay of downy mildew resistance in pearl millet. <i>Annals of Applied Biology</i> , 1996, 129, 91-96.	1.3	4
57	Rapid Mass Propagation of <i>Salacia Chinensis</i> L., an Endangered Valuable Medicinal Plant through Direct Organogenesis. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	4
58	Specific PCR-based detection of <i>Phomopsis vexans</i> the cause of leaf blight and fruit rot pathogen of <i>Solanum melongena</i> L.. <i>Letters in Applied Microbiology</i> , 2019, 69, 358-365.	1.0	4
59	Influence of seed mycoflora and harvesting conditions on milling, popping and malting qualities of sorghum (<i>Sorghum bicolor</i>). <i>Journal of the Science of Food and Agriculture</i> , 1991, 55, 617-625.	1.7	3
60	<i>Sclerospora graminicola</i> - and arachidonic acid-induced autofluorescence in downy mildew resistant and susceptible genotypes of pearl millet. <i>Annals of Applied Biology</i> , 1998, 133, 219-226.	1.3	3
61	Genetic variation in <i>Fusarium oxysporum</i> f.sp. <i>cubense</i> isolates based on random amplified polymorphic DNA and intergenic spacer. <i>Archives of Phytopathology and Plant Protection</i> , 2006, 39, 151-160.	0.6	3
62	Differential expression of sunflower peroxidase isoforms and transcripts during necrotrophic interaction with <i>Alternaria helianthi</i> . <i>Russian Journal of Plant Physiology</i> , 2007, 54, 513-517.	0.5	3
63	Efficiency of RAPD, ISSR and ITS markers in detecting genetic variability among <i>Salacia</i> species sampled from the Western Ghats of Karnataka. <i>Molecular Biology Reports</i> , 2018, 45, 931-941.	1.0	3
64	Fungal Endophytes Associated with <i>Gloriosa superba</i> (L.). <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 1335-1342.	0.4	3
65	Osmopriming enhances pearl millet growth and induces downy mildew disease resistance. <i>Archives of Phytopathology and Plant Protection</i> , 2009, 42, 979-987.	0.6	2
66	Inhibition of virus infection by transient expression of short hairpin RNA targeting the methyltransferase domain of Tobacco mosaic virus replicase. <i>Phytoparasitica</i> , 2013, 41, 9-15.	0.6	1
67	Biochemical events involved in downy mildew disease resistance in pearl millet in relation to H ⁺ -ATPase. <i>Archives of Phytopathology and Plant Protection</i> , 2011, 44, 17-27.	0.6	0
68	Identification and characterization of Memecylon species using isozyme profiling. <i>Pharmacognosy Research (discontinued)</i> , 2017, 9, 408.	0.3	0
69	Characterisation of gluten-degrading prolyl endoprotease from <i>Thermococcus kodakarensis</i> . <i>FEMS Microbiology Letters</i> , 2022, , .	0.7	0
70	A novel approach to the establishment of dual cultures of pearl millet and <i>Sclerospora graminicola</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1992, 31, 203-206.	1.2	0