Gudasalamani Ravikanth

List of Publications by Year
in descending order

99 papers	2,646 citations	201674 27 h-index	223800 46 g-index
103 all docs	103 docs citations	103 times ranked	2676 citing authors

#	Article	IF	Citations
1	A review of research and conservation of Myristica swamps, a threatened freshwater swamp of the Western Ghats, India. Wetlands Ecology and Management, 2022, 30, 171-189.	1.5	4
2	Distribution mapping of Bauhinia vahlii Wight & Arn. in India using ecological niche modelling. Tropical Ecology, 2022, 63, 286-299.	1.2	4
3	Ecological niche modelling for predicting the habitat suitability of endangered tree species Taxus contorta Griff. in Himachal Pradesh (Western Himalayas, India). Tropical Ecology, 2022, 63, 300-313.	1.2	4
4	Ecological niche modelling to identify suitable sites for cultivation of two important medicinal lianas of the Western Ghats, India. Tropical Ecology, 2022, 63, 423-432.	1.2	2
5	Framework For a Collective Definition of Regenerative Agriculture in India. Ecology, Economy and Society, 2022, 5, .	0.2	0
6	Tropical and subtropical Asia's valued tree species under threat. Conservation Biology, 2022, 36, .	4.7	17
7	The flooded habitat adaptation, niche differentiation, and evolution of Myristicaceae trees in the Western Ghats biodiversity hotspot in India. Biotropica, 2022, 54, 1349-1362.	1.6	2
8	Identifying the potential global distribution and conservation areas for Terminalia chebula, an important medicinal tree species under changing climate scenario. Tropical Ecology, 2022, 63, 584-595.	1.2	5
9	Variation in seedling vigour and camptothecin content of Pyrenacantha volubilis Wight: insights for domestication. Genetic Resources and Crop Evolution, 2021, 68, 1061-1071.	1.6	1
10	Inhibition of plant pathogenic fungi by endophytic Trichoderma spp. through mycoparasitism and volatile organic compounds. Microbiological Research, 2021, 242, 126595.	5.3	107
11	eDNA metabarcoding reveals dietary niche overlap among herbivores in an Indian wildlife sanctuary. Environmental DNA, 2021, 3, 681-696.	5.8	9
12	Securing biodiversity, securing our future: A national mission on biodiversity and human well-being for India. Biological Conservation, 2021, 253, 108867.	4.1	17
13	Can species distribution models and molecular tools help unravel disjunct distribution of Rhododendron arboreum?. Journal of Genetics, 2021, 100, 1.	0.7	0
14	Influence of microhabitat on the distribution of tadpoles of three endemic Nyctibatrachus species (Nyctibatrachidae) from the Western Ghats, India. Biotropica, 2021, 53, 1475-1485.	1.6	2
15	Large-scale whole-genome resequencing unravels the domestication history of Cannabis sativa. Science Advances, 2021, 7, .	10.3	79
16	Approaches for the amelioration of adverse effects of drought stress on crop plants. Frontiers in Bioscience, 2021, 26, 928.	2.1	18
17	Ecological niche modeling for assessing potential distribution of Pterocarpus marsupium Roxb. In Ranchi, eastern India. Ecological Research, 2020, 35, 1095-1105.	1.5	14
18	DNA barcoding of Momordica species and assessment of adulteration in Momordica herbal products, an anti-diabetic drug. Plant Gene, 2020, 22, 100227.	2.3	9

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19	An endophyte from salt-adapted Pokkali rice confers salt-tolerance to a salt-sensitive rice variety and targets a unique pattern of genes in its new host. Scientific Reports, 2020, 10, 3237.	3.3	58
20	Development and Characterization of Microsatellite Markers for the Endemic Frog Nyctibatrachus kempholeyensis and Cross Amplification with Other Nyctibatrachus Species from the Western Ghats, India. Current Herpetology, 2020, 39, 196.	0.5	1
21	Sequestration of the plant secondary metabolite, colchicine, by the noctuid moth PolytelaÂgloriosae (Fab.). Chemoecology, 2019, 29, 135-142.	1.1	4
22	Assessing Forest Structure and Composition along the Altitudinal Gradient in the State of Sikkim, Eastern Himalayas, India. Forests, 2019, 10, 633.	2.1	17
23	Origin and evolution of the genus Piper in Peninsular India. Molecular Phylogenetics and Evolution, 2019, 138, 102-113.	2.7	15
24	Exploring DNA quantity and quality from raw materials to botanical extracts. Heliyon, 2019, 5, e01935.	3.2	12
25	How and why do endophytes produce plant secondary metabolites?. Symbiosis, 2019, 78, 193-201.	2.3	28
26	Influence of phylogeny and abiotic factors varies across early and late reproductive phenology of Himalayan Rhododendrons. Ecosphere, 2019, 10, e02581.	2.2	13
27	A review on the conservation genetic studies of Indian amphibians and their implications on developing strategies for conservationâ€. Journal of Genetics, 2019, 98, 1.	0.7	3
28	Inhibition of the collar rot fungus, Sclerotium rolfsii Sacc. by an endophytic fungus Alternaria sp.: implications for biocontrol. Plant Physiology Reports, 2019, 24, 521-532.	1.5	5
29	Role of endophytes in early seedling growth of plants: a test using systemic fungicide seed treatment. Plant Physiology Reports, 2019, 24, 86-95.	1.5	13
30	A review on the conservation genetic studies of Indian amphibians and their implications on developing strategies for conservation. Journal of Genetics, 2019, 98, .	0.7	0
31	Assessment of adulteration in raw herbal trade of important medicinal plants of India using DNA barcoding. 3 Biotech, 2018, 8, 135.	2.2	23
32	Thermotolerance of fungal endophytes isolated from plants adapted to the Thar Desert, India. Symbiosis, 2018, 75, 135-147.	2.3	40
33	Direct modelling of limited migration improves projected distributions of Himalayan amphibians under climate change. Biological Conservation, 2018, 227, 352-360.	4.1	33
34	Development of microsatellite markers for the resinâ€yielding, nonâ€timber forest product species Boswellia serrata (Burseraceae). Applications in Plant Sciences, 2018, 6, e01180.	2.1	2
35	Mechanism of Resistance to Camptothecin, a Cytotoxic Plant Secondary Metabolite, by Lymantria sp. Larvae. Journal of Chemical Ecology, 2018, 44, 611-620.	1.8	9
36	Authentication of Garcinia fruits and food supplements using DNA barcoding and NMR spectroscopy. Scientific Reports, 2018, 8, 10561.	3.3	36

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37	Development and characterization of microsatellite markers for Phyllanthus emblica Linn., important nontimber forest product species. Journal of Genetics, 2018, 97, 1001-1006.	0.7	8
38	Recovery of Critically Endangered Plant Species in India:Need for a Comprehensive Approach. Current Science, 2018, 114, 504.	0.8	21
39	Development and characterization of microsatellite markers for Linn., important nontimber forest product species. Journal of Genetics, 2018, 97, 1001-1006.	0.7	3
40	Evaluating realized seed dispersal across fragmented tropical landscapes: a twoâ€fold approach using parentage analysis and the neighbourhood model. New Phytologist, 2017, 214, 1307-1316.	7.3	35
41	Translating Endophyte Research to Applications: Prospects and Challenges. , 2017, , 343-365.		5
42	Species Adulteration in the Herbal Trade: Causes, Consequences and Mitigation. Drug Safety, 2017, 40, 651-661.	3.2	74
43	An endophytic fungus, Gibberella moniliformis from Lawsonia inermis L. produces lawsone, an orange-red pigment. Antonie Van Leeuwenhoek, 2017, 110, 853-862.	1.7	25
44	Assigning conservation value and identifying hotspots of endemic rattan diversity in the Western Ghats, India. Plant Diversity, 2017, 39, 263-272.	3.7	14
45	Camptothecin-producing endophytic bacteria from Pyrenacantha volubilis Hook. (Icacinaceae): A possible role of a plasmid in the production of camptothecin. Phytomedicine, 2017, 36, 160-167.	5.3	29
46	Fine- and local- scale genetic structure of Dysoxylum malabaricum, a late-successional canopy tree species in disturbed forest patches in the Western Ghats, India. Conservation Genetics, 2017, 18, 1-15.	1.5	24
47	Amphibians of the Sikkim Himalaya, India: an annotated checklist. Check List, 2017, 13, 2033.	0.4	5
48	Spatial and Temporal Distribution Pattern of Camptothecin in Seeds and Fruits of <i>Pyrenacantha volubilis</i> Hook. (Icacinaceae) during Different Fruit Developmental Stages. Current Science, 2017, 112, 1034.	0.8	4
49	Development and characterization of microsatellite markers for Dysoxylum binectariferum, a medicinally important tree species in Western Ghats, India. Journal of Genetics, 2016, 93, 85-88.	0.7	5
50	Identification of novel microsatellite markers for Saraca asoca, a medicinally important tree species in India. Journal of Genetics, 2016, 93, 93-95.	0.7	5
51	Integrative Taxonomic Approach for Describing a New Cryptic Species of Bush Frog (Raorchestes:) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	17
52	Microhyla laterite sp. nov., A New Species of Microhyla Tschudi, 1838 (Amphibia: Anura: Microhylidae) from a Laterite Rock Formation in South West India. PLoS ONE, 2016, 11, e0149727.	2.5	16
53	Desorption Electrospray Ionization (DESI) Mass Spectrometric Imaging of the Distribution of Rohitukine in the Seedling of Dysoxylum binectariferum Hook. F. PLoS ONE, 2016, 11, e0158099.	2.5	15
54	Ecological niche modeling for conservation planning of an endemic snail in the verge of becoming a pest in cardamom plantations in the Western Ghats biodiversity hotspot. Ecology and Evolution, 2016, 6, 6510-6523.	1.9	11

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55	Redescription and Range Extension of Microhyla sholigari Dutta & Ray (Amphibia: Anura:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	3
56	DNA barcoding and NMR spectroscopy-based assessment of species adulteration in the raw herbal trade of Saraca asoca (Roxb.) Willd, an important medicinal plant. International Journal of Legal Medicine, 2016, 130, 1457-1470.	2.2	43
57	Modeling the impact of climate change on wild Piper nigrum (Black Pepper) in Western Ghats, India using ecological niche models. Journal of Plant Research, 2016, 129, 1033-1040.	2.4	24
58	Transcriptome analysis of stem wood of Nothapodytes nimmoniana (Graham) Mabb. identifies genes associated with biosynthesis of camptothecin, an anti-carcinogenic molecule. Journal of Biosciences, 2016, 41, 119-131.	1.1	22
59	Establishment and standardization of in vitroÂregeneration protocol in Nothapodytes nimmonianaÂGraham and evaluation of camptothecine (CPT) in tissue culture plants. Indian Journal of Plant Physiology, 2016, 21, 1-7.	0.8	6
60	Modeling impacts of future climate on the distribution of Myristicaceae species in the Western Ghats, India. Ecological Engineering, 2016, 89, 14-23.	3.6	43
61	DNA barcoding to assess species adulteration in raw drug trade of â€œBalaâ€•(genus: Sida L.) herbal products in South India. Biochemical Systematics and Ecology, 2015, 61, 501-509.	1.3	29
62	Ambient ionization mass spectrometry imaging of rohitukine, a chromone anti-cancer alkaloid, during seed development in Dysoxylum binectariferum Hook.f (Meliaceae). Phytochemistry, 2015, 116, 104-110.	2.9	38
63	Morphology, natural history and molecular identification of tadpoles of three endemic frog species ofNyctibatrachusBoulenger, 1882 (Anura: Nyctibatrachidae) from Central Western Ghats, India. Journal of Natural History, 2015, 49, 2667-2681.	0.5	8
64	Restoration of camptothecine production in attenuated endophytic fungus on re-inoculation into host plant and treatment with DNA methyltransferase inhibitor. World Journal of Microbiology and Biotechnology, 2015, 31, 1629-1639.	3.6	41
65	Assessing product adulteration in natural health products for laxative yielding plants, Cassia, Senna, and Chamaecrista, in Southern India using DNA barcoding. International Journal of Legal Medicine, 2015, 129, 693-700.	2.2	101
66	Forest Trees in Human Modified Landscapes: Ecological and Genetic Drivers of Recruitment Failure in Dysoxylum malabaricum (Meliaceae). PLoS ONE, 2014, 9, e89437.	2.5	29
67	Are mini DNA-barcodes sufficiently informative to resolve species identities? An in silico analysis using Phyllanthus. Journal of Genetics, 2014, 93, 823-829.	0.7	10
68	Endophytes and Plant Secondary Metabolite Synthesis: Molecular and Evolutionary Perspective. , 2014, , 177-190.		19
69	Mud-packing frog: A novel breeding behaviour and parental care in a stream dwelling new species of Nyctibatrachus (Amphibia, Anura, Nyctibatrachidae). Zootaxa, 2014, 3796, 33.	0.5	28
70	Fragmentation Genetics of Vateria indica: implications for management of forest genetic resources of an endemic dipterocarp. Conservation Genetics, 2014, 15, 533-545.	1.5	20
71	Genetic structure and diversity of Coscinium fenestratum: a critically endangered liana of Western Ghats, India. Plant Systematics and Evolution, 2014, 300, 403-413.	0.9	9
72	Rohitukine, a chromone alkaloid and a precursor of flavopiridol, is produced by endophytic fungi isolated from Dysoxylum binectariferum Hook.f and Amoora rohituka (Roxb).Wight & Arn. Phytomedicine, 2014, 21, 541-546.	5.3	68

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73	Pyrenacantha volubilis Wight, (Icacinaceae) a rich source of camptothecine and its derivatives, from the Coromandel Coast forests of India. FÃ¬toterapÃ¬Ã¢, 2014, 97, 105-110.	2.2	18
74	Genetic Structure, Diversity and Long Term Viability of a Medicinal Plant, Nothapodytes nimmoniana Graham. (Icacinaceae), in Protected and Non-Protected Areas in the Western Ghats Biodiversity Hotspot. PLoS ONE, 2014, 9, e112769.	2.5	13
75	Development of polymorphic microsatellite markers for the critically endangered and endemic Indian dipterocarp, Vateria indica L. (Dipterocarpaceae). Conservation Genetics Resources, 2013, 5, 465-467.	0.8	3
76	Changes in genetic diversity parameters in unimproved and improved populations of teak (Tectona) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	8
77	Isolation of endophytic bacteria producing the anti-cancer alkaloid camptothecine from Miquelia dentata Bedd. (Icacinaceae). Phytomedicine, 2013, 20, 913-917.	5.3	76
78	New plant sources of the anti-cancer alkaloid, camptothecine from the Icacinaceae taxa, India. Phytomedicine, 2013, 20, 521-527.	5.3	53
79	Endophytic fungi from Miquelia dentata Bedd., produce the anti-cancer alkaloid, camptothecine. Phytomedicine, 2013, 20, 337-342.	5.3	86
80	Morphological parameters and genetic diversity of progenies from seed production areas and unimproved stands of teak (Tectona grandis L.f.) in India. Journal of Forestry Research, 2013, 24, 653-658.	3.6	1
81	Genetic structure and demographic history of the endangered tree species <scp>D</scp>ysoxylum malabaricum (<scp>M</scp>eliaceae) in <scp>W</scp>estern <scp>G</scp>hats, <scp>I</scp>ndia: implications for conservation in a biodiversity hotspot. Ecology and Evolution, 2013, 3, 3233-3248.	1.9	23
82	Do Ecological Niche Model Predictions Reflect the Adaptive Landscape of Species?: A Test Using Myristica malabarica Lam., an Endemic Tree in the Western Ghats, India. PLoS ONE, 2013, 8, e82066.	2.5	41
83	Hepatoprotective activity of IndianPhyllanthus. Pharmaceutical Biology, 2012, 50, 948-953.	2.9	38
84	Does longâ€distance pollen dispersal preclude inbreeding in tropical trees? Fragmentation genetics of <scp>D</scp>ysoxylum malabaricum in an agroâ€forest landscape. Molecular Ecology, 2012, 21, 5484-5496.	3.9	70
85	Isolation and characterization of polymorphic microsatellite loci from the invasive plant Lantana camara L.. Conservation Genetics Resources, 2012, 4, 171-173.	0.8	7
86	Fusarium proliferatum, an endophytic fungus from Dysoxylum binectariferum Hook.f, produces rohitukine, a chromane alkaloid possessing anti-cancer activity. Antonie Van Leeuwenhoek, 2012, 101, 323-329.	1.7	114
87	Influence of geographic distance and genetic dissimilarity among clones on flowering synchrony in a Teak (Tectona grandis Linn. f) clonal seed orchard. Silvae Genetica, 2012, 61, 10-18.	0.8	8
88	Sequestration of Camptothecin, an Anticancer Alkaloid, by Chrysomelid Beetles. Journal of Chemical Ecology, 2011, 37, 533-536.	1.8	15
89	Development of eleven microsatellite markers in the red-listed tree species Myristica malabarica. Conservation Genetics Resources, 2010, 2, 305-307.	0.8	4
90	Dysoxylum binectariferum Hook.f (Meliaceae), a rich source of rohitukine. FÃ¬toterapÃ¬Ã¢, 2010, 81, 145-148.	2.2	52

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91	Endophytic fungal strains of Fusarium solani, from Apodytes dimidiata E. Mey. ex Arn (Icacinaceae) produce camptothecin, 10-hydroxycamptothecin and 9-methoxycamptothecin. Phytochemistry, 2010, 71, 117-122.	2.9	256
92	Assessing species admixtures in raw drug trade of Phyllanthus, a hepato-protective plant using molecular tools. Journal of Ethnopharmacology, 2010, 130, 208-215.	4.1	97
93	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2009â€“30 November 2009. Molecular Ecology Resources, 2010, 10, 404-408.	4.8	84
94	Development of micro satellite markers for a critically endangered species, Ceropegia fantastica from the Western Ghats, India. Conservation Genetics, 2009, 10, 1825-1827.	1.5	2
95	Development of polymorphic microsatellite loci in Nothapodytes nimmoniana, a medicinally important tree from the Western Ghats, India. Molecular Ecology Resources, 2009, 9, 365-367.	4.8	2
96	Prospecting for Camptothecines from Nothapodytes nimmoniana in the Western Ghats, South India: Identification of High-Yielding Sources of Camptothecin and New Families of Camptothecines. Journal of Chromatographic Science, 2008, 46, 362-368.	1.4	60
97	Chemical Profiling of Nothapodytes nimmoniana for Camptothecin, an Important Anticancer Alkaloid: Towards the Development of a Sustainable Production System. , 2008, , 197-213.		25
98	Patterns of species discovery in the Western Ghats, a megadiversity hot spot in India. Journal of Biosciences, 2007, 32, 781-790.	1.1	9
99	Genetic structure of the rattan Calamus thwaitesii in core, buffer and peripheral regions of three protected areas in central Western Ghats, India: do protected areas serve as refugia for genetic resources of economically important plants?. Journal of Genetics, 2007, 86, 9-18.	0.7	17