

Avinash Marwal

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

867
citations

687220

13
h-index

580701

25
g-index

81
all docs

81
docs citations

81
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	PGPR-mediated induction of systemic resistance and physiochemical alterations in plants against the pathogens: Current perspectives. <i>Journal of Basic Microbiology</i> , 2020, 60, 828-861.	1.8	157
2	Vital roles of carotenoids in plants and humans to deteriorate stress with its structure, biosynthesis, metabolic engineering and functional aspects. <i>Current Plant Biology</i> , 2021, 26, 100203.	2.3	111
3	Role of elicitors to initiate the induction of systemic resistance in plants to biotic stress. <i>Plant Stress</i> , 2022, 5, 100103.	2.7	36
4	Begomovirus associated with alternative host weeds: a critical appraisal. <i>Archives of Phytopathology and Plant Protection</i> , 2014, 47, 157-170.	0.6	35
5	Endophytic Nanotechnology: An Approach to Study Scope and Potential Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 613343.	1.8	35
6	Complete nucleotide sequence of a new geminivirus isolated from <i>Vitis vinifera</i> in India: a symptomless host of Grapevine red blotch virus. <i>VirusDisease</i> , 2019, 30, 106-111.	1.0	30
7	One-step green synthesis and characterization of plant protein-coated mercuric oxide (HgO) nanoparticles: antimicrobial studies. <i>International Nano Letters</i> , 2015, 5, 125-132.	2.3	23
8	Electronic properties and Compton profiles of molybdenum dichalcogenides. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 187-193.	1.9	20
9	Complete nucleotide sequence of a begomovirus associated with satellites molecules infecting a new host <i>Tagetes patula</i> in India. <i>Virus Genes</i> , 2013, 47, 194-198.	0.7	20
10	Recognition of Errors in the Refinement and Validation of Three-Dimensional Structures of AC1 Proteins of Begomovirus Strains by Using ProSA-Web. <i>Journal of Viruses</i> , 2014, 2014, 1-6.	0.4	20
11	Molecular characterizations of two begomoviruses infecting <i>Vinca rosea</i> and <i>Raphanus sativus</i> in India. <i>Virologica Sinica</i> , 2013, 28, 53-56.	1.2	19
12	Bio-Reductive Synthesis and Characterization of Plant Protein Coated Magnetite Nanoparticles. <i>Nano Hybrids</i> , 0, 7, 69-86.	0.3	19
13	Biology and Interaction of the Natural Occurrence of Distinct Monopartite Begomoviruses Associated With Satellites in <i>Capsicum annum</i> From India. <i>Frontiers in Microbiology</i> , 2020, 11, 512957.	1.5	17
14	First Report of Association of a Begomovirus with the Leaf Curl Disease of a Common Weed, <i>Datura Innoxia</i> . <i>Indian Journal of Virology: an Official Organ of Indian Virological Society</i> , 2012, 23, 83-84.	0.7	16
15	First report of a begomovirus and associated betasatellite in <i>Rosa indica</i> and in India. <i>Australasian Plant Disease Notes</i> , 2014, 9, 1.	0.4	16
16	<i>Papaya yellow leaf curl virus</i> : A newly identified begomovirus infecting <i>Carica papaya</i> L. from the Indian Subcontinent. <i>Journal of Horticultural Science and Biotechnology</i> , 2019, 94, 475-480.	0.9	12
17	First report on the association of a begomovirus with <i>chrysanthemum indicum</i> exhibiting yellowing of leaf vein disease characterized by molecular studies. <i>Journal of Horticultural Research</i> , 2013, 21, 17-21.	0.4	11
18	First report of airborne begomovirus infection in <i>Melia azedarach</i> (Pride of India), an ornamental tree in India. <i>Aerobiologia</i> , 2014, 30, 211-215.	0.7	11

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19	Molecular Markers. , 2014, , 289-305.		11
20	Multifarious Responses of Forest Soil Microbial Community Toward Climate Change. Microbial Ecology, 2023, 86, 49-74.	1.4	11
21	First report of a begomovirus associated with betasatellites infecting spinach (<i>Spinacia oleracea</i>) in India. Journal of General Plant Pathology, 2015, 81, 146-150.	0.6	10
22	Phylogenetics and in silico Docking Studies Between Coat Protein of Mimosa Yellow Vein Virus and Whey Î±-lactalbumin. American Journal of Biochemistry and Molecular Biology, 2011, 1, 265-274.	0.6	10
23	Computational Characterization of Begomovirus Infecting Two Ornamental Plants: <i>Jasminum sambac</i> and <i>Millingtonia hortensis</i> . Asian Journal of Biological Sciences, 2012, 5, 240-249.	0.2	10
24	Genomics and Proteomics Characterization of Alphasatellite in Weed Associated with Begomovirus. International Journal of Plant Pathology, 2010, 2, 1-14.	0.2	10
25	Molecular Characterization of Begomoviruses and DNA Satellites Associated with a New Host Spanish Flag (<i>Lantana camara</i>) in India. ISRN Virology, 2013, 2013, 1-5.	0.5	9
26	Transmission and host interaction of Geminivirus in weeds. , 2014, , 143-161.		9
27	Homology Modeling and Docking Studies Between AC1 Rep Protein of Begomovirus and Whey Î±-lactalbumin. Asian Journal of Biological Sciences, 2011, 4, 352-361.	0.2	9
28	Geminivirus Database (GVDB): First Database of Family Geminiviridae and its genera Begomovirus. Pakistan Journal of Biological Sciences, 2012, 15, 702-706.	0.2	9
29	Natural occurrence of <i>Clerodendron yellow mosaic virus</i> on <i>Bougainvillea</i> in India. New Disease Reports, 2014, 30, 19-19.	0.4	9
30	Fascinating Fungal Endophytes Role and Possible Beneficial Applications: An Overview. , 2017, , 255-273.		8
31	Molecular Characterization of Begomoviruses DNA-A and Associated Beta Satellites with New Host <i>Ocimum sanctum</i> in India. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2019, 89, 903-910.	0.4	8
32	Current Status of Geminivirus in India: RNAi Technology, A Challenging Cure. Asian Journal of Biological Sciences, 2012, 5, 273-293.	0.2	8
33	Host Plant Strategies to Combat Against Viruses Effector Proteins. Current Genomics, 2020, 21, 401-410.	0.7	8
34	Molecular in silico structure and recombination analysis of betasatellite in <i>Calotropis procera</i> associated with begomovirus. Archives of Phytopathology and Plant Protection, 2012, 45, 1980-1990.	0.6	7
35	Identification, genetic diversity and recombination analysis of Watermelon Mosaic Virus isolates. 3 Biotech, 2020, 10, 257.	1.1	7
36	Molecular and Recombinational Characterization of Begomovirus Infecting an Ornamental Plant <i>Alternanthera sessilis</i> : A New Host of Tomato Leaf Curl Kerala Virus Reported in India. Science International, 2013, 1, 51-56.	0.4	7

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37	RNAi mediated gene silencing against betasatellite associated with Croton yellow vein mosaic begomovirus. <i>Molecular Biology Reports</i> , 2014, 41, 7631-7638.	1.0	6
38	In silico Recombination Analysis: A Study for Geminivirus Host Mobility. <i>Asian Journal of Biological Sciences</i> , 2011, 5, 1-8.	0.2	6
39	Prediction of Binding Site in Eight Protein Molecules of Begomovirus and its Satellite Components i.e. Betasatellite and Alphasatellite Isolated from Infected Ornamental Plant. <i>Plant Pathology Journal</i> , 2016, 15, 1-4.	0.7	6
40	Computational Analysis and Predicting Ligand Binding Site in the Rose leaf curl virus and Its Betasatellite Proteins: A Step Forward for Antiviral Agent Designing. , 2017, , 157-168.		5
41	First Report of Recombination Analysis of Betasatellite and Alphasatellite Sequence Isolated from an Ornamental Plant Marigold in India: An in silico Approach. <i>International Journal of Virology</i> , 2015, 12, 10-17.	0.4	5
42	Crop Genetic Engineering: An Approach to Improve Fungal Resistance in Plant System. , 2017, , 581-591.		4
43	Bioengineered Plants Can Be an Alternative Source of Omega-3 Fatty Acids for Human Health. , 2019, , 361-382.		4
44	Molecular diversity of begomoviruses and DNA satellite molecules infecting ornamental plants in India. , 2020, , 475-491.		4
45	Evidence of the Association of Solanum leaf curl lakshmangarh virus with a Weed Plant Solanum nigrum in Rajasthan, India. <i>Science International</i> , 2013, 1, 379-383.	0.4	4
46	Understanding Functional Genomics of PTGS Silencing Mechanisms for Tobacco Streak Virus and Other Ilarviruses Mediated by RNAi and VIGS. , 2017, , 489-499.		3
47	Mastreviruses in the African World: Harboring Both Monocot and Dicot Species. , 2019, , 85-102.		3
48	Genome of a known but distinct begomovirus associated with a novel satellite molecule infecting a new host bitter melon (<i>Momordica charantia</i>). <i>3 Biotech</i> , 2019, 9, 247.	1.1	3
49	Gene Expression-Based Supervised Classification Models for Discriminating Early- and Late-Stage Prostate Cancer. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 541-565.	0.4	3
50	Molecular Docking Studies of Coronavirus Proteins with Medicinal Plant Based Phytochemicals. <i>Defence Life Science Journal</i> , 2021, 6, 57-63.	0.1	3
51	First report of papaya leaf curl virus and its associated papaya leaf curl betasatellite infecting <i>Catharanthus roseus</i> plants in India. <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 808-813.	0.9	3
52	Datura leaf curl betasatellite associated for the first time with Datura innoxia leaf curl syndrome in India. <i>Journal of Advances in Biotechnology</i> , 2014, 1, 1-7.	0.1	3
53	First Report of Begomovirus Infecting <i>Sonchus asper</i> in India. <i>Science International</i> , 2013, 1, 108-110.	0.4	3
54	Improved plant tolerance to biotic stress for agronomic management. <i>Agrica</i> , 2020, 9, 84-100.	0.2	3

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55	First complete genome sequence of Tomato leaf curl virus (ToLCV) from <i>Salvia splendens</i> in India. <i>Journal of Phytopathology</i> , 2022, 170, 479-491.	0.5	3
56	Surface Engineering of Magnetite Nanoparticles by Plant Protein: Investigation into Magnetic Properties. <i>Nano Hybrids and Composites</i> , 0, 11, 38-44.	0.8	2
57	In Silico Study of the Geminiviruses Infecting Ornamental Plants. , 2018, , 69-90.		2
58	Molecular Interactions between Plant Viruses and Their Biological Vectors. , 2018, , 205-216.		2
59	RNA Silencing Suppressor Encoded by Betasatellite DNA Associated With Croton Yellow Vein Mosaic Virus. <i>Journal of Plant Pathology & Microbiology</i> , 2012, 01, .	0.3	2
60	In vitro Study of Antidermatophytic Activity of Mint (<i>Mentha Piperita</i>) Against <i>Trichophyton rubrum</i> and <i>Microsporum canis</i> . <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2012, 12, 182-187.	0.0	2
61	Outlooks of Nanotechnology in Organic Farming Management. <i>Defence Life Science Journal</i> , 2022, 7, 52-60.	0.1	2
62	Nanophytovirology: An Emerging Field for Disease Management. , 0, , .		1
63	Plant viruses as an engineered nanovehicle (PVENVs). , 2021, , 525-536.		1
64	Development and screening of byproduct for its secondary metabolites, antioxidant and anti-diabetic potential from anthracnose-infected fruits of pomegranate: a sustainable approach. <i>3 Biotech</i> , 2021, 11, 74.	1.1	1
65	Nanosensors for the Detection of Chemical Food Adulterants. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 25-53.	0.3	1
66	Possible Approaches for Developing Different Strategies to Prevent Transmission of Geminiviruses to Important Crops. , 2018, , 301-320.		1
67	In Silico Characterization of Ageratum Enation Virus, Ageratum Leaf Curl Betasatellite and Marigold Leaf Curl Alphasatellite Infecting an Important Ornamental Plant Marigold (<i>Tagetes Patula</i>) in Indian Subcontinent.. <i>Journal of Advances in Biotechnology</i> , 2014, 1, 8-21.	0.1	1
68	In Silico Characterization of Hemagglutinin Protein of Influenza a Virus		

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73	In Silico Characterization of Tomato leaf curl Joydebpur virus (ToLCJV) DNA-A Proteins. Nature Precedings, 2011, , .	0.1	0
74	Metabolomics and its Role in Study of Plant Abiotic Stress Responses. , 2013, , 148-158.		0
75	Phylogenetic and Recombination Analyses of Sugarcane yellow leaf virus isolates. Sugar Tech, 2020, 22, 540-545.	0.9	0
76	Application of Nanotechnology in Management of Various Plant Diseases. , 2021, , 1-17.		0
77	Identification of Potential Reference miRNA for qRT-PCR Studies in Cancers Using miRNA-seq Data. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 1327-1333.	0.0	0
78	Disease-Causing Seed Pathogenic Microorganisms and Their Management Practices. , 2020, , 185-200.		0