

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 | Multifarious Responses of Forest Soil Microbial Community Toward Climate Change. <i>Microbial Ecology</i> , 2023, 86, 49-74. | 1.4 | 11 |
| 2 | Outlooks of Nanotechnology in Organic Farming Management. <i>Defence Life Science Journal</i> , 2022, 7, 52-60. | 0.1 | 2 |
| 3 | 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 |
| 4 | 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 |
| 5 | Plant viruses as an engineered nanovehicle (PVENVs). , 2021, , 525-536. | | 1 |
| 6 | 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 |
| 7 | Molecular Docking Studies of Coronavirus Proteins with Medicinal Plant Based Phytochemicals. <i>Defence Life Science Journal</i> , 2021, 6, 57-63. | 0.1 | 3 |
| 8 | 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 |
| 9 | Endophytic Nanotechnology: An Approach to Study Scope and Potential Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 613343. | 1.8 | 35 |
| 10 | 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 |
| 11 | Application of Nanotechnology in Management of Various Plant Diseases. , 2021, , 1-17. | | 0 |
| 12 | Nanosensors for the Detection of Chemical Food Adulterants. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 25-53. | 0.3 | 1 |
| 13 | 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 |
| 14 | Phylogenetic and Recombination Analyses of Sugarcane yellow leaf virus isolates. <i>Sugar Tech</i> , 2020, 22, 540-545. | 0.9 | 0 |
| 15 | 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 |
| 16 | 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 |
| 17 | Identification, genetic diversity and recombination analysis of Watermelon Mosaic Virus isolates. <i>3 Biotech</i> , 2020, 10, 257. | 1.1 | 7 |
| 18 | Molecular diversity of begomoviruses and DNA satellite molecules infecting ornamental plants in India. , 2020, , 475-491. | | 4 |

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|----|--|-----|-----------|
| 19 | Host Plant Strategies to Combat Against Viruses Effector Proteins. <i>Current Genomics</i> , 2020, 21, 401-410. | 0.7 | 8 |
| 20 | Improved plant tolerance to biotic stress for agronomic management. <i>Agrica</i> , 2020, 9, 84-100. | 0.2 | 3 |
| 21 | Disease-Causing Seed Pathogenic Microorganisms and Their Management Practices. , 2020, , 185-200. | | 0 |
| 22 | 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 |
| 23 | Molecular Characterization of Begomoviruses DNA-A and Associated Beta Satellites with New Host <i>Ocimum sanctum</i> in India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 903-910. | 0.4 | 8 |
| 24 | Mastreviruses in the African World: Harboring Both Monocot and Dicot Species. , 2019, , 85-102. | | 3 |
| 25 | <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 |
| 26 | Bioengineered Plants Can Be an Alternative Source of Omega-3 Fatty Acids for Human Health. , 2019, , 361-382. | | 4 |
| 27 | 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 |
| 28 | Genomics and Molecular Mechanisms of Plant's Response to Abiotic and Biotic Stresses. , 2019, , 131-146. | | 1 |
| 29 | In Silico Study of the Geminiviruses Infecting Ornamental Plants. , 2018, , 69-90. | | 2 |
| 30 | Molecular Interactions between Plant Viruses and Their Biological Vectors. , 2018, , 205-216. | | 2 |
| 31 | Possible Approaches for Developing Different Strategies to Prevent Transmission of Geminiviruses to Important Crops. , 2018, , 301-320. | | 1 |
| 32 | Fascinating Fungal Endophytes Role and Possible Beneficial Applications: An Overview. , 2017, , 255-273. | | 8 |
| 33 | Understanding Functional Genomics of PTGS Silencing Mechanisms for Tobacco Streak Virus and Other Ilarviruses Mediated by RNAi and VIGS. , 2017, , 489-499. | | 3 |
| 34 | 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 |
| 35 | Crop Genetic Engineering: An Approach to Improve Fungal Resistance in Plant System. , 2017, , 581-591. | | 4 |
| 36 | Identification of Potential Reference miRNA for qRT-PCR Studies in Cancers Using miRNA-seq Data. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017, 6, 1327-1333. | 0.0 | 0 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | First report of a begomovirus associated with betasatellites infecting spinach (<i>Spinacia oleracea</i>) in India. <i>Journal of General Plant Pathology</i> , 2015, 81, 146-150. | 0.6 | 10 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Transmission and host interaction of Geminivirus in weeds. , 2014, , 143-161. | | 9 |
| 43 | 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 |
| 44 | Begomovirus associated with alternative host weeds: a critical appraisal. <i>Archives of Phytopathology and Plant Protection</i> , 2014, 47, 157-170. | 0.6 | 35 |
| 45 | 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 |
| 46 | Molecular Markers. , 2014, , 289-305. | | 11 |
| 47 | 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 |
| 48 | 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 |
| 49 | In Silico Characterization of Hemagglutinin Protein of Influenza a Virus | | |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Metabolomics and its Role in Study of Plant Abiotic Stress Responses. , 2013, , 148-158. | | 0 |
| 58 | Molecular Characterization of Begomoviruses and DNA Satellites Associated with a New Host Spanish Flag (<i>Lantana camara</i>) in India. <i>ISRN Virology</i> , 2013, 2013, 1-5. | 0.5 | 9 |
| 59 | Evidence of the Association of <i>Solanum</i> leaf curl lakshmanarh virus with a Weed Plant <i>Solanum nigrum</i> in Rajasthan, India. <i>Science International</i> , 2013, 1, 379-383. | 0.4 | 4 |
| 60 | First Report of Begomovirus Infecting <i>Sonchus asper</i> in India. <i>Science International</i> , 2013, 1, 108-110. | 0.4 | 3 |
| 61 | 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. <i>Science International</i> , 2013, 1, 51-56. | 0.4 | 7 |
| 62 | Molecular and in silico Characterization of Two Coat Proteins of Weed Associated Begomovirus Isolates. <i>Science International</i> , 2013, 1, 408-414. | 0.4 | 1 |
| 63 | Molecular in silico structure and recombination analysis of betasatellite in <i>Calotropis procera</i> associated with begomovirus. <i>Archives of Phytopathology and Plant Protection</i> , 2012, 45, 1980-1990. | 0.6 | 7 |
| 64 | 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 |
| 65 | Computational Characterization of Begomovirus Infecting Two Ornamental Plants: <i>Jasminum sambac</i> and <i>Millingtonia hortensis</i> . <i>Asian Journal of Biological Sciences</i> , 2012, 5, 240-249. | 0.2 | 10 |
| 66 | Current Status of Geminivirus in India: RNAi Technology, A Challenging Cure. <i>Asian Journal of Biological Sciences</i> , 2012, 5, 273-293. | 0.2 | 8 |
| 67 | Geminivirus Database (GVDB): First Database of Family Geminiviridae and its genera Begomovirus. <i>Pakistan Journal of Biological Sciences</i> , 2012, 15, 702-706. | 0.2 | 9 |
| 68 | RNA Silencing Suppressor Encoded by Betasatellite DNA Associated With <i>Croton</i> Yellow Vein Mosaic Virus. <i>Journal of Plant Pathology & Microbiology</i> , 2012, 01, . | 0.3 | 2 |
| 69 | 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 |
| 70 | In Silico Characterization of Tomato leaf curl Joydebpur virus (ToLCJV) DNA-A Proteins. <i>Nature Precedings</i> , 2011, , . | 0.1 | 0 |
| 71 | Phylogenetics and in silico Docking Studies Between Coat Protein of Mimosa Yellow Vein Virus and Whey β -lactalbumin. <i>American Journal of Biochemistry and Molecular Biology</i> , 2011, 1, 265-274. | 0.6 | 10 |
| 72 | Homology Modeling and Docking Studies Between AC1 Rep Protein of Begomovirus and Whey β -lactalbumin. <i>Asian Journal of Biological Sciences</i> , 2011, 4, 352-361. | 0.2 | 9 |

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|----|--|-----|-----------|
| 73 | In silico Recombination Analysis: A Study for Geminivirus Host Mobility. Asian Journal of Biological Sciences, 2011, 5, 1-8. | 0.2 | 6 |
| 74 | Electronic properties and Compton profiles of molybdenum dichalcogenides. Journal of Physics and Chemistry of Solids, 2010, 71, 187-193. | 1.9 | 20 |
| 75 | Genomics and Proteomics Characterization of Alphasatellite in Weed Associated with Begomovirus. International Journal of Plant Pathology, 2010, 2, 1-14. | 0.2 | 10 |
| 76 | Bio-Reductive Synthesis and Characterization of Plant Protein Coated Magnetite Nanoparticles. Nano Hybrids, 0, 7, 69-86. | 0.3 | 19 |
| 77 | Surface Engineering of Magnetite Nanoparticles by Plant Protein: Investigation into Magnetic Properties. Nano Hybrids and Composites, 0, 11, 38-44. | 0.8 | 2 |
| 78 | Nanophytovirology: An Emerging Field for Disease Management. , 0, , . | | 1 |