Bikash Mandal

List of Publications by Year
in descending order

88 papers	1,045 citations	567281 15 h-index	610901 24 g-index
90 all docs	90 docs citations	90 times ranked	775 citing authors

#	Article	IF	Citations
1	Spray application of a cocktail of dsRNAs reduces infection of chilli leaf curl virus in Nicotiana benthamiana. Journal of Plant Diseases and Protection, 2022, 129, 433-438.	2.9	6
2	Simulation of leaf curl disease dynamics in chili for strategic management options. Scientific Reports, 2021, 11, 1010.	3.3	6
3	Progression of Watermelon Bud Necrosis Virus Infection in Its Vector, Thrips palmi. Cells, 2021, 10, 392.	4.1	8
4	Overexpression of an insect virus encoded silencing suppressor does not enhance plantsâ€™ susceptibility to its natural virus. VirusDisease, 2021, 32, 338-342.	2.0	0
5	Secondary siRNAs in Plants: Biosynthesis, Various Functions, and Applications in Virology. Frontiers in Plant Science, 2021, 12, 610283.	3.6	32
6	ICTV Virus Taxonomy Profile: Nanoviridae. Journal of General Virology, 2021, 102, .	2.9	14
7	Sub-cellular localization of suppressor proteins of tomato leaf curl New Delhi virus. VirusDisease, 2021, 32, 298-304.	2.0	3
8	Occurrence of a new cryptic species of Bemisia tabaci (Hemiptera: Aleyrodidae): an updated record of cryptic diversity in India. Phytoparasitica, 2021, 49, 869-882.	1.2	19
9	Detection of the Chilli Leaf Curl Virus Using an Attenuated Total Reflection-Mediated Localized Surface-Plasmon-Resonance-Based Optical Platform. ACS Omega, 2021, 6, 17413-17423.	3.5	15
10	Molecular and biological characterization of soybean yellow mottle mosaic virus severe strain infecting soybean in India. 3 Biotech, 2021, 11, 381.	2.2	1
11	Genomic properties of allamanda leaf mottle distortion virus, a new begomovirus from golden trumpet (Allamanda cathartica) in India. Archives of Virology, 2021, 166, 2905-2909.	2.1	0
12	Identification and Functional Analysis of Four RNA Silencing Suppressors in Begomovirus Croton Yellow Vein Mosaic Virus. Frontiers in Plant Science, 2021, 12, 768800.	3.6	9
13	Direct Foliar Application of dsRNA Derived From the Full-Length Gene of NSs of Groundnut Bud Necrosis Virus Limits Virus Accumulation and Symptom Expression. Frontiers in Plant Science, 2021, 12, 734618.	3.6	10
14	Standardization of Regeneration, Agrobacterium-Mediated Transformation, and Introduction of Nucleocapsid Gene of Watermelon Bud Necrosis Virus in Watermelon. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 623-630.	1.0	2
15	The global emergence of severe acute respiratory syndrome coronavirus 2 in human. VirusDisease, 2020, 31, 67-70.	2.0	1
16	Prediction of putative regulatory elements in the subgenomic promoters of cucumber green mottle mosaic virus and their interactions with the RNA dependent RNA polymerase domain. VirusDisease, 2020, 31, 503-516.	2.0	1
17	Seed transmission of a distinct soybean yellow mottle mosaic virus strain identified from India in natural and experimental hosts. Virus Research, 2020, 280, 197903.	2.2	9
18	Recombinant variants of cotton leaf curl Multan virus is associated with the breakdown of leaf curl resistance in cotton in northwestern India. VirusDisease, 2020, 31, 45-55.	2.0	5

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19	An observation on the embryonic development in Thrips palmi (Thysanoptera: Thripidae) eggs obtained by an artificial oviposition setup. Journal of Asia-Pacific Entomology, 2020, 23, 492-497.	0.9	11
20	Multiplexed editing of a begomovirus genome restricts escape mutant formation and disease development. PLoS ONE, 2019, 14, e0223765.	2.5	50
21	Complete genome sequence and phylogenetic relationships of tobacco streak virus causing groundnut stem necrosis disease in India. VirusDisease, 2019, 30, 227-236.	2.0	4
22	Dicer 1 of Candida albicans cleaves plant viral dsRNA in vitro and provides tolerance in plants against virus infection. VirusDisease, 2019, 30, 237-244.	2.0	3
23	Development of Soybean Yellow Mottle Mosaic Virus-Based Expression Vector for Heterologous Protein Expression in French Bean. Molecular Biotechnology, 2019, 61, 181-190.	2.4	3
24	Plant virus diseases and their management in Bangladesh. Crop Protection, 2019, 118, 57-65.	2.1	20
25	Watermelon bud necrosis orthotospovirus - An emerging constraint in the Indian subcontinent: An overview. Crop Protection, 2019, 117, 52-62.	2.1	7
26	Citrullus lanatus (Watermelon). , 2019, , 537-556.		0
27	Amomum subulatum (Large cardamom). , 2019, , 118-120.		0
28	Croton bonplandianum (Ban tulsi). , 2019, , 672-674.		0
29	Arachis hypogaea (Peanut/groundnut). , 2019, , 161-181.		0
30	Cucumis melo (Muskmelon or Cantaloupe). , 2019, , 677-701.		0
31	Ipomoea purpurea (Common morning glory). , 2019, , 1271-1272.		0
32	Solanum lycopersicum (Tomato). , 2019, , 2257-2380.		0
33	Capsicum annuum and Capsicum frutescens (Bell pepper, Chilli, Pepper, Sweet pepper). , 2019, , 372-431.		0
34	Chrysanthemum spp.. , 2019, , 500-514.		0
35	Plumeria spp. (Frangipani). , 2019, , 1899-1901.		0
36	Vicia faba (Broad bean or Faba bean). , 2019, , 2678-2697.		0

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37	Evaluation of watermelon genotypes against bud necrosis disease caused by a distinct watermelon bud necrosis orthotospovirus under field and glasshouse conditions. Scientia Horticulturae, 2018, 235, 106-115.	3.6	4
38	Optimization of a more efficient protocol for mechanical inoculation for watermelon bud necrosis orthotospovirus and its validation with different watermelon genotypes. Crop Protection, 2018, 108, 110-119.	2.1	5
39	PCR based detection of betasatellite associated with the begomoviruses using improved universal primers. Australasian Plant Pathology, 2018, 47, 115-118.	1.0	14
40	Field-usable lateral flow immunoassay for the rapid detection of a macluravirus, large cardamom chirke virus. Journal of Virological Methods, 2018, 253, 43-48.	2.1	11
41	Natural infection of croton yellow vein mosaic virus and its cognate betasatellite in germplasm of different Crambe spp in India. Virus Research, 2018, 243, 60-64.	2.2	5
42	Development and Validation of Marker-Free Constructs Based on Nucleocapsid Protein Gene of Watermelon Bud Necrosis Orthotospovirus in Watermelon. Current Science, 2018, 114, 1742.	0.8	2
43	Diagnostic assays for two closely related tospovirus species, Watermelon bud necrosis virus and Groundnut bud necrosis virus and identification of new natural hosts. Journal of Plant Biochemistry and Biotechnology, 2017, 26, 43-51.	1.7	20
44	A CGMMV genome-replicon vector with partial sequences of coat protein gene efficiently expresses GFP in Nicotiana benthamiana. Virus Research, 2017, 233, 77-85.	2.2	12
45	Rapid demonstration of infectivity of a hybrid strain of potato virus Y occurring in India through overlapping extension PCR. Physiological and Molecular Plant Pathology, 2017, 98, 62-68.	2.5	13
46	Inheritance and mapping of resistance against Cowpea mild mottle virus strain D1 in soybean. Plant Breeding, 2017, 136, 155-160.	1.9	5
47	Genome characterization, infectivity assays of in vitro and in vivo infectious transcripts of soybean yellow mottle mosaic virus from India reveals a novel short mild genotype. Virus Research, 2017, 232, 96-105.	2.2	8
48	Aphids as Vectors of the Plant Viruses in India. , 2017, , 515-536.		8
49	Characterisation of the Macluraviruses Occurring in India. , 2017, , 307-326.		0
50	The Occurrence, Biology and Genomic Properties of Tobamoviruses Infecting Crop Plants in India. , 2017, , 429-444.		13
51	Biology and Molecular Biology of Babuviruses Occurring in India. , 2017, , 27-48.		1
52	The Occurrence, Biology, Serology and Molecular Biology of Tospoviruses in Indian Agriculture. , 2017, , 445-474.		12
53	Begomoviruses and Their Satellites Occurring in India: Distribution, Diversity and Pathogenesis. , 2017, , 75-177.		42
54	First Report of Groundnut bud necrosis virus Infecting Periwinkle (Catharanthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	1.4	5

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55	Agroinfection of tobacco by croton yellow vein mosaic virus and designing of a replicon vector for expression of foreign gene in plant. VirusDisease, 2016, 27, 277-286.	2.0	11
56	Identification, distribution and temporal occurrence of aphids infesting large cardamom and their efficiency in transmitting large cardamom viruses in northeastern sub-Himalayan region. Australasian Plant Pathology, 2016, 45, 533-536.	1.0	8
57	Cardamom Bushy Dwarf Virus Infection in Large Cardamom Alters Plant Selection Preference, Life Stages, and Fecundity of Aphid Vector,Micromyzus kalimpongensis(Hemiptera: Aphididae). Environmental Entomology, 2016, 45, 178-184.	1.4	22
58	Engineered single-chain variable fragment antibody for immunodiagnosis of groundnut bud necrosis virus infection. Archives of Virology, 2015, 160, 1297-1301.	2.1	4
59	Engineered Antibody Fragments for Immunodiagnosis of Papaya ringspot virus. Molecular Biotechnology, 2015, 57, 644-652.	2.4	4
60	Characterisation and diagnosis of frangipani mosaic virus from India. Virus Genes, 2015, 51, 310-314.	1.6	8
61	Diagnosis of a new variant of soybean yellow mottle mosaic virus with extended host-range in India. VirusDisease, 2015, 26, 304-314.	2.0	14
62	A recombinant Tobacco curly shoot virus causes leaf curl disease in tomato in a north-eastern state of India and has potentiality to trans-replicate a non-cognate betasatellite. Virus Genes, 2015, 50, 87-96.	1.6	14
63	Simultaneous detection of potato viruses Y and X by DAC-ELISA using polyclonal antibodies raised against fused coat proteins expressed in Escherichia coli. Journal of Plant Biochemistry and Biotechnology, 2014, 23, 332-335.	1.7	5
64	Fusion coat protein of pumpkin yellow vein mosaic virus with maltose binding protein: Applications in immunodiagnosis of begomoviruses. VirusDisease, 2014, 25, 390-393.	2.0	2
65	Production of cocktail of polyclonal antibodies using bacterial expressed recombinant protein for multiple virus detection. Journal of Virological Methods, 2014, 196, 7-14.	2.1	12
66	Molecular characterization of Indian isolate of peanut mottle virus and immunodiagnosis using bacterial expressed core capsid protein. VirusDisease, 2014, 25, 331-337.	2.0	6
67	First Report of Zucchini yellow mosaic virus Infecting Gherkin (Cucumis anguira) in India. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2013, 24, 289-290.	0.7	9
68	Factors affecting sap transmission of Tomato leaf curl New Delhi begomovirus infecting sponge gourd in India. Phytoparasitica, 2013, 41, 591-592.	1.2	5
69	Role of sponge gourd in apical leaf curl disease of potato in Northern India. Phytoparasitica, 2013, 41, 403-410.	1.2	10
70	Host range and genetic diversity of croton yellow vein mosaic virus, a weed-infecting monopartite begomovirus causing leaf curl disease in tomato. Archives of Virology, 2013, 158, 531-542.	2.1	29
71	Natural association of two different betasatellites with Sweet potato leaf curl virus in wild morning glory (Ipomoea purpurea) in India. Virus Genes, 2013, 47, 184-188.	1.6	15
72	Spectral reflectance pattern in soybean for assessing yellow mosaic disease. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2013, 24, 242-249.	0.7	54

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73	A new begomovirusâ€“betasatellite complex is associated with chilli leaf curl disease in Sri Lanka. Virus Genes, 2013, 46, 128-139.	1.6	15
74	Nine novel DNA components associated with the foorkey disease of large cardamom: Evidence of a distinct babuvirus species in Nanoviridae. Virus Research, 2013, 178, 297-305.	2.2	17
75	Highly efficient immunodiagnosis of Large cardamom chirke virus using the polyclonal antiserum against Escherichia coli expressed recombinant coat protein. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2013, 24, 227-234.	0.7	11
76	A Leaf Curl Disease in Germplasm of Rapeseedâ€Mustard in <scp>I</scp>ndia: Molecular Evidence of a Weedâ€Infecting Begomovirusâ€“Betasatellite Complex Emerging in a New Crop. Journal of Phytopathology, 2013, 161, 522-535.	1.0	13
77	Immunodiagnostics of cucumber mosaic virus using antisera developed against recombinant coat protein. Archives of Phytopathology and Plant Protection, 2012, 45, 561-569.	1.3	7
78	Complete Genome Sequence, Phylogenetic Relationships and Molecular Diagnosis of an Indian Isolate of Potato Virus X. Journal of Phytopathology, 2012, 160, 1-5.	1.0	21
79	Virusâ€“vector Relationships, Host Range, Detection and Sequence Comparison of Chilli leaf curl virus Associated with an Epidemic of Leaf Curl Disease of Chilli in Jodhpur, India. Journal of Phytopathology, 2012, 160, 146-155.	1.0	48
80	Screening ofLuffa cylindricaRoem. for resistance againstTomato Leaf Curl New Delhi Virus, inheritance of resistance, and identification of SRAP markers linked to the single dominant resistance gene. Journal of Horticultural Science and Biotechnology, 2011, 86, 661-667.	1.9	32
81	Biological and Molecular Characterization of Two Distinct Tomato Strains of Cucumber mosaic virus Based on Complete RNA-3 Genome and Subgroup Specific Diagnosis. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2011, 22, 117-126.	0.7	15
82	Global Emergence and Spread of Whitefly (Bemisia tabaci) Transmitted Geminiviruses. , 2011, , 205-292.		58
83	Advances in Small Isometric Multicomponent ssDNA Viruses Infecting Plants. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2010, 21, 18-30.	0.7	24
84	Can Plant Virus Infect Human Being?. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2010, 21, 92-93.	0.7	12
85	Genetics of resistance in Luffa cylindrica Roem. against Tomato leaf curl New Delhi virus. Euphytica, 2010, 174, 83-89.	1.2	45
86	Genetics of resistance to Cucumber mosaic virus in Cucumis sativus var. hardwickii R. Alef. Euphytica, 2008, 164, 501-507.	1.2	24
87	Immunodiagnosis of groundnut and watermelon bud necrosis viruses using polyclonal antiserum to recombinant nucleocapsid protein of Groundnut bud necrosis virus. Journal of Virological Methods, 2005, 130, 162-164.	2.1	41
88	Putative Location of Common Region and Coat Protein Gene of Blackgram Isolate of Mungbean Yellow Mosaic Geminivirus. Journal of Plant Biochemistry and Biotechnology, 1998, 7, 7-12.	1.7	11