

# Achuit K Singh

## List of Publications by Year in descending order

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41  
papers

1,103  
citations

394421

19  
h-index

414414

32  
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all docs

41  
docs citations

41  
times ranked

831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Secondary Metabolites as Defense Tools against Herbivores for Sustainable Crop Protection. International Journal of Molecular Sciences, 2022, 23, 2690.	4.1	126
2	Biotechnological Innovations in Cucumber ( <i>Cucumis sativus</i> L.) Development—Current Scenario and Future Perspectives. Compendium of Plant Genomes, 2022, , 185-199.	0.5	2
3	Genome Editing and Its Applications for Improvement. Compendium of Plant Genomes, 2022, , 15-23.	0.5	1
4	A novel monopartite begomovirus and satellites associated with yellow mosaic disease of <i>Sida</i> spp. in India. Archives of Virology, 2021, 166, 299-302.	2.1	4
5	Bhendi yellow vein mosaic virus and bhendi yellow vein mosaic betasatellite cause enation leaf curl disease and alter host phytochemical contents in okra. Plant Disease, 2021, 105, 2595-2600.	1.4	9
6	Characterization of high-temperature stress-tolerant tomato ( <i>Solanum lycopersicum</i> L.) genotypes by biochemical analysis and expression profiling of heat-responsive genes. 3 Biotech, 2021, 11, 45.	2.2	12
7	Co-overexpression of AtDREB1A and BcZAT12 increases drought tolerance and fruit production in double transgenic tomato ( <i>Solanum lycopersicum</i> ) plants. Environmental and Experimental Botany, 2021, 184, 104396.	4.2	14
8	Two distinct monopartite begomovirus-betasatellite complexes in western India cause tomato leaf curl disease. Virus Research, 2021, 295, 198319.	2.2	6
9	Overexpression of AtDREB1 and BcZAT12 genes confers drought tolerance by reducing oxidative stress in double transgenic tomato ( <i>Solanum lycopersicum</i> L.). Plant Cell Reports, 2021, 40, 2173-2190.	5.6	12
10	Engineering Plastid Pathways: An Environment-Friendly Alternative for in Planta Transformation. , 2020, , 287-311.		0
11	Distribution of Geminivirus in the Indian Subcontinent. , 2019, , 39-64.		0
12	First Report of Tomato Leaf Curl Joydebpur Virus Infecting Chilli ( <i>Capsicum annuum</i> ) in Andaman and Nicobar Islands. Plant Disease, 2019, 103, 2974-2974.	1.4	3
13	Silencing of tomato CTR1 provides enhanced tolerance against Tomato leaf curl virus infection. Plant Signaling and Behavior, 2019, 14, e1565595.	2.4	15
14	First Report of Natural Occurrence of Watermelon Bud Necrosis Virus in Round Melon ( <i>Pracitrullus fistulosus</i> ) in India. Plant Disease, 2019, 103, 781-781.	1.4	4
15	First report of natural occurrence of groundnut bud necrosis virus in <i>Solanum torvum</i> Sw. in India. Journal of Plant Pathology, 2019, 101, 185-185.	1.2	1
16	Heterologous expression of the AtDREB1A gene in tomato confers tolerance to chilling stress. Biologia Plantarum, 2019, 63, 268-277.	1.9	19
17	Diversity of Potyviruses and Their Extent in Vegetable Pathosystem. , 2019, , 409-426.		0
18	Biology and Molecular Epidemiology of Begomovirus Infection on Cucurbit Crops. , 2019, , 385-408.		0

#	ARTICLE	IF	CITATIONS
19	Molecular diversity, recombination and population structure of alphasatellites associated with begomovirus disease complexes. <i>Infection, Genetics and Evolution</i> , 2017, 49, 39-47.	2.3	48
20	The occurrence and distribution of major viruses infecting cucurbits in Tamil Nadu state, India. <i>Crop Protection</i> , 2017, 99, 10-16.	2.1	51
21	Molecular genetic analysis and evolution of begomoviruses and betasatellites causing yellow mosaic disease of bhendi. <i>Virus Genes</i> , 2017, 53, 275-285.	1.6	23
22	Biotechnological Advancements and Begomovirus Management in Okra ( <i>Abelmoschus esculentus</i> L.): Status and Perspectives. <i>Frontiers in Plant Science</i> , 2017, 8, 360.	3.6	45
23	CRISPR/Cas9 Mediated Genome Engineering for Improvement of Horticultural Crops. <i>Frontiers in Plant Science</i> , 2017, 8, 1635.	3.6	77
24	Identification and molecular characterization of a new recombinant begomovirus and associated betasatellite DNA infecting <i>Capsicum annuum</i> in India. <i>Archives of Virology</i> , 2016, 161, 1389-1394.	2.1	13
25	Comparative analysis of microsatellites in chloroplast genomes of lower and higher plants. <i>Current Genetics</i> , 2015, 61, 665-677.	1.7	77
26	Dwarf Mosaic Disease of French Bean in India Caused by <i>Rhynchosia yellow mosaic virus</i> in Association With a Betasatellite. <i>Plant Disease</i> , 2015, 99, 1290.	1.4	2
27	Complexity of begomovirus and betasatellite populations associated with chilli leaf curl disease in India. <i>Journal of General Virology</i> , 2015, 96, 3143-3158.	2.9	82
28	Identification of a disease complex involving a novel monopartite begomovirus with beta- and alphasatellites associated with okra leaf curl disease in Oman. <i>Archives of Virology</i> , 2014, 159, 1199-1205.	2.1	35
29	Recent evolution of a novel begomovirus causing tomato leaf curl disease in the Al-Batinah region of Oman. <i>Archives of Virology</i> , 2014, 159, 445-455.	2.1	27
30	Host-specific adaptation of diverse betasatellites associated with distinct Indian tomato-infecting begomoviruses. <i>Virus Genes</i> , 2014, 48, 334-342.	1.6	29
31	A New Begomovirus Species in Association with Betasatellite Causing Tomato Leaf Curl Disease in Gandhinagar, India. <i>Plant Disease</i> , 2014, 98, 428-428.	1.4	8
32	Genetic diversity and distribution of a distinct strain of Chili leaf curl virus and associated betasatellite infecting tomato and pepper in Oman. <i>Virus Research</i> , 2013, 177, 87-97.	2.2	38
33	A Distinct Strain of <i>Tomato leaf curl Sudan virus</i> Causes Tomato Leaf Curl Disease in Oman. <i>Plant Disease</i> , 2013, 97, 1396-1402.	1.4	23
34	Biology and interactions of two distinct monopartite begomoviruses and betasatellites associated with radish leaf curl disease in India. <i>Virology Journal</i> , 2012, 9, 43.	3.4	54
35	A novel recombinant tomato-infecting begomovirus capable of transcomplementing heterologous DNA-B components. <i>Archives of Virology</i> , 2011, 156, 769-783.	2.1	26
36	A new begomovirus species and betasatellite causing severe tomato leaf curl disease in Ranchi, India. <i>New Disease Reports</i> , 2011, 23, 11-11.	0.8	6

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37	Molecular characterization of a new species of Begomovirus and betasatellite causing leaf curl disease of tomato in India. <i>Virus Research</i> , 2010, 152, 19-29.	2.2	48
38	Biological and molecular characterization of a begomovirus associated with yellow mosaic vein mosaic disease of pumpkin from Northern India. <i>Virus Genes</i> , 2009, 39, 359-370.	1.6	35
39	A New Begomovirus Species Causing Tomato Leaf Curl Disease in Patna, India. <i>Plant Disease</i> , 2009, 93, 545-545.	1.4	12
40	Cultural, morphological, pathogenic and molecular variability amongst tomato isolates of <i>Alternaria solani</i> in India. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1003-1009.	3.6	58
41	Infectivity of the cloned components of a begomovirus: DNA beta complex causing chilli leaf curl disease in India. <i>Archives of Virology</i> , 2008, 153, 533-539.	2.1	58