

# Imran Amin

## List of Publications by Year in descending order

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75  
papers

3,138  
citations

186265

28  
h-index

161849

54  
g-index

78  
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78  
docs citations

78  
times ranked

2135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Soybean; A Way Forward Transition from Genetic Engineering to New Plant Breeding Technologies. <i>Molecular Biotechnology</i> , 2023, 65, 162-180.	2.4	24
2	Mini CRISPR-Cas12f1: a new genome editing tool. <i>Trends in Plant Science</i> , 2022, 27, 110-112.	8.8	8
3	Virus detection using nanobiosensors. , 2022, , 547-572.		3
4	Methods for design and fabrication of nanosensors. , 2022, , 53-79.		1
5	Dominance of Asia II 1 species of <i>Bemisia tabaci</i> in Pakistan and beyond. <i>Scientific Reports</i> , 2022, 12, 1528.	3.3	9
6	Analysis of a tetraploid cotton line Mac7 transcriptome reveals mechanisms underlying resistance against the whitefly <i>Bemisia tabaci</i> . <i>Gene</i> , 2022, 820, 146200.	2.2	8
7	Cotton Leaf Curl Disease ( <i>Geminiviridae</i> ). , 2021, , 355-363.		0
8	Diversity and recombination analysis of Cotton leaf curl Multan betasatellite associated with cotton leaf curl begomovirus disease complex. <i>Australasian Plant Pathology</i> , 2021, 50, 13-16.	1.0	0
9	Development of a LAMP assay using a portable device for the real-time detection of cotton leaf curl disease in field conditions. <i>Biology Methods and Protocols</i> , 2021, 6, bpab010.	2.2	9
10	Biologically prepared copper-graphene nanohybrid as the interface of microchips for sensitive detection of crop viruses. <i>Journal of Materials Research and Technology</i> , 2021, 12, 727-738.	5.8	4
11	Amplicon-based RNAi construct targeting beta-C1 gene gives enhanced resistance against cotton leaf curl disease. <i>3 Biotech</i> , 2021, 11, 256.	2.2	4
12	Bioaugmentation-Enhanced Remediation of Crude Oil Polluted Water in Pilot-Scale Floating Treatment Wetlands. <i>Water (Switzerland)</i> , 2021, 13, 2882.	2.7	9
13	Transgenic Expression of Synthetic Coat Protein and Synthetic Replication Associated Protein Produces Mild Symptoms and Reduce Begomovirus-Betasatellite Accumulation in <i>Nicotiana benthamiana</i> . <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	1
14	Molecular insight into cotton leaf curl geminivirus disease resistance in cultivated cotton ( <i>Gossypium hirsutum</i> ). <i>Plant Biotechnology Journal</i> , 2020, 18, 691-706.	8.3	44
15	The Cotton Wall-Associated Kinase GhWAK7A Mediates Responses to Fungal Wilt Pathogens by Complexing with the Chitin Sensory Receptors. <i>Plant Cell</i> , 2020, 32, 3978-4001.	6.6	80
16	Cotton leaf curl Kokhran virus in association with Chili leaf curl betasatellite infecting mungbean ( <i>Vigna radiata</i> .) and black gram ( <i>Vigna mungo</i> .) in Pakistan. <i>Australasian Plant Pathology</i> , 2020, 49, 461-465.	1.0	0
17	Transgenic expression of the <i>Agrobacterium tumefaciens</i> single-stranded DNA binding protein VirE2 provides resistance to both bipartite and monopartite betasatellite-associated begomoviruses in <i>Nicotiana benthamiana</i> . <i>Physiological and Molecular Plant Pathology</i> , 2020, 112, 101516.	2.5	0
18	Precise CRISPR-Cas9 Mediated Genome Editing in Super Basmati Rice for Resistance Against Bacterial Blight by Targeting the Major Susceptibility Gene. <i>Frontiers in Plant Science</i> , 2020, 11, 575.	3.6	70

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19	Effects of the transient expression of heterologous RNA virus-encoded silencing suppressors on the infectivity and systemic movement of tomato leaf curl New Delhi virus. <i>Australasian Plant Pathology</i> , 2020, 49, 531-540.	1.0	1
20	First report of pepper leaf curl Bangladesh virus (PepLCBV) associated with cotton leaf curl Multan betasatellite on kidney bean ( <i>Phaseolus vulgaris</i> ) in Pakistan. <i>Journal of Plant Pathology</i> , 2020, 102, 917-918.	1.2	1
21	Whole genome sequencing of Asia II 1 species of whitefly reveals that genes involved in virus transmission and insecticide resistance have genetic variances between Asia II 1 and MEAM1 species. <i>BMC Genomics</i> , 2019, 20, 507.	2.8	25
22	Multiple alphasatellites associated with Papaya leaf curl virus and Croton yellow mosaic betasatellite in <i>Croton bonplandianus</i> : first identification of Ageratum yellow vein Singapore alphasatellite in Pakistan. <i>European Journal of Plant Pathology</i> , 2019, 155, 1353-1361.	1.7	0
23	In silico Prediction and Validations of Domains Involved in <i>Gossypium hirsutum</i> SnRK1 Protein Interaction With Cotton Leaf Curl Multan Betasatellite Encoded $\text{I}^2\text{C1}$ . <i>Frontiers in Plant Science</i> , 2019, 10, 656.	3.6	15
24	Non-cultivated Cotton Species ( <i>Gossypium</i> spp.) Act as a Reservoir for Cotton Leaf Curl Begomoviruses and Associated Satellites. <i>Plants</i> , 2019, 8, 127.	3.5	5
25	Targeting Plant ssDNA Viruses with Engineered Miniature CRISPR-Cas14a. <i>Trends in Biotechnology</i> , 2019, 37, 800-804.	9.3	54
26	Transcriptomic analysis of cultivated cotton <i>Gossypium hirsutum</i> provides insights into host responses upon whitefly-mediated transmission of cotton leaf curl disease. <i>PLoS ONE</i> , 2019, 14, e0210011.	2.5	28
27	$\text{I}^2\text{C1}$ , pathogenicity determinant encoded by Cotton leaf curl Multan betasatellite, interacts with calmodulin-like protein 11 (Gh-CML11) in <i>Gossypium hirsutum</i> . <i>PLoS ONE</i> , 2019, 14, e0225876.	2.5	10
28	Identification of <i>Malvastrum</i> yellow vein Lahore virus—a proposed new species of begomovirus in association with cotton leaf curl Multan betasatellite infecting green bean ( <i>Phaseolus vulgaris</i> ) in Pakistan. <i>Australasian Plant Disease Notes</i> , 2019, 14, 1.	0.7	4
29	Enhancement of oil field-produced wastewater remediation by bacterially-augmented floating treatment wetlands. <i>Chemosphere</i> , 2019, 217, 576-583.	8.2	66
30	The Rep proteins encoded by alphasatellites restore expression of a transcriptionally silenced green fluorescent protein transgene in <i>Nicotiana benthamiana</i> . <i>VirusDisease</i> , 2019, 30, 101-105.	2.0	35
31	Successful phytoremediation of crude-oil contaminated soil at an oil exploration and production company by plants-bacterial synergism. <i>International Journal of Phytoremediation</i> , 2018, 20, 675-681.	3.1	70
32	Evaluation of carbon nanotube based copper nanoparticle composite for the efficient detection of agroviruses. <i>Journal of Hazardous Materials</i> , 2018, 346, 27-35.	12.4	24
33	In silico identification of conserved miRNAs and their selective target gene prediction in indicine ( <i>Bos</i> ) Tj ETQq1 1 0,784314 rgBT /Overl	2.5	15
34	Infectivity of okra enation leaf curl virus and the role of its V2 protein in pathogenicity. <i>Virus Research</i> , 2018, 255, 90-94.	2.2	8
35	Identification of a dicot infecting mastrevirus along with alpha- and betasatellite associated with leaf curl disease of spinach ( <i>Spinacia oleracea</i> ) in Pakistan. <i>Virus Research</i> , 2018, 256, 174-182.	2.2	18
36	CRISPR-Cas13a: Prospects for Plant Virus Resistance. <i>Trends in Biotechnology</i> , 2018, 36, 1207-1210.	9.3	31

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37	Begomovirus and Associated Satellite Components Infecting Cluster Bean ( <i>Cyamopsis tetragonoloba</i> ) in Pakistan. <i>Journal of Phytopathology</i> , 2017, 165, 115-122.	1.0	9
38	Real-time quantitative PCR assay for the quantification of virus and satellites causing leaf curl disease in cotton in Pakistan. <i>Journal of Virological Methods</i> , 2017, 248, 54-60.	2.1	32
39	Further changes in the cotton leaf curl disease complex: an indication of things to come?. <i>Virus Genes</i> , 2017, 53, 759-761.	1.6	6
40	Multiple begomoviruses found associated with cotton leaf curl disease in Pakistan in early 1990 are back in cultivated cotton. <i>Scientific Reports</i> , 2017, 7, 680.	3.3	48
41	Tobacco Rattle Virus-Based Silencing of Noyl-CoA Reductase Gene and Its Role in Resistance Against Cotton Wilt Disease. <i>Molecular Biotechnology</i> , 2017, 59, 241-250.	2.4	7
42	<i>Tomato leaf curl New Delhi virus</i>: a widespread bipartite begomovirus in the territory of monopartite begomoviruses. <i>Molecular Plant Pathology</i> , 2017, 18, 901-911.	4.2	106
43	An Insight into Cotton Leaf Curl Multan Betasatellite, the Most Important Component of Cotton Leaf Curl Disease Complex. <i>Viruses</i> , 2017, 9, 280.	3.3	37
44	Characterization of a Begomovirus-Betasatellite Complex, Producing Defective Molecules in Spinach ( <i>Spinacia oleracea</i> L.), a New Host for Begomovirus and Betasatellite Complex in Pakistan. <i>Plant Pathology Journal</i> , 2017, 33, 514-521.	1.7	7
45	<i>Sesbania bispinosa</i> , a new host of a begomovirus-betasatellite complex in Pakistan. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 107-111.	1.4	11
46	Amplicon-Based RNA Interference Targeting V2 Gene of Cotton Leaf Curl Kokhran Virus-Burewala Strain Can Provide Resistance in Transgenic Cotton Plants. <i>Molecular Biotechnology</i> , 2016, 58, 807-820.	2.4	19
47	Virus-Induced Gene Silencing in Cultivated Cotton ( <i>Gossypium</i> spp.) Using Tobacco Rattle Virus. <i>Molecular Biotechnology</i> , 2016, 58, 65-72.	2.4	29
48	Frequent Occurrence of Tomato Leaf Curl New Delhi Virus in Cotton Leaf Curl Disease Affected Cotton in Pakistan. <i>PLoS ONE</i> , 2016, 11, e0155520.	2.5	77
49	Recombination Among Begomoviruses on Malvaceous Plants Leads to the Evolution of <i>Okra Enation Leaf Curl Virus</i> in Pakistan. <i>Journal of Phytopathology</i> , 2015, 163, 764-776.	1.0	10
50	<i>Ageratum enation virus</i> —A Begomovirus of Weeds with the Potential to Infect Crops. <i>Viruses</i> , 2015, 7, 647-665.	3.3	29
51	RNA interference-based resistance in transgenic tomato plants against Tomato yellow leaf curl virus-Oman (TYLCV-OM) and its associated betasatellite. <i>Virology Journal</i> , 2015, 12, 38.	3.4	46
52	Association of three begomoviruses and a betasatellite with leaf curl disease of basil in Oman. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 506-513.	1.4	11
53	Regional Changes in the Sequence of Cotton Leaf Curl Multan Betasatellite. <i>Viruses</i> , 2014, 6, 2186-2203.	3.3	17
54	Effects of genetic changes to the begomovirus/betasatellite complex causing cotton leaf curl disease in South Asia post-resistance breaking. <i>Virus Research</i> , 2014, 186, 114-119.	2.2	48

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55	Nutrients Can Enhance the Abundance and Expression of Alkane Hydroxylase CYP153 Gene in the Rhizosphere of Ryegrass Planted in Hydrocarbon-Polluted Soil. <i>PLoS ONE</i> , 2014, 9, e111208.	2.5	75
56	Artificial microRNA-mediated resistance against the monopartite begomovirus Cotton leaf curl Burewala virus. <i>Virology Journal</i> , 2013, 10, 231.	3.4	74
57	Molecular characterization of a new synthetic cry2ab gene in <i>Nicotiana tabacum</i> . <i>Biotechnology Letters</i> , 2013, 35, 969-974.	2.2	2
58	Suppressors of RNA Silencing Encoded by the Components of the Cotton Leaf Curl Begomovirus-BetaSatellite Complex. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 973-983.	2.6	133
59	The Merging of Two Dynasties—Identification of an African Cotton Leaf Curl Disease-Associated Begomovirus with Cotton in Pakistan. <i>PLoS ONE</i> , 2011, 6, e20366.	2.5	61
60	Characterization of resistance gene analogs from <i>Gossypium arboreum</i> and their evolutionary relationships with homologs from tetraploid cottons. <i>Euphytica</i> , 2011, 178, 351-362.	1.2	7
61	Identification of a major pathogenicity determinant and suppressors of RNA silencing encoded by a South Pacific isolate of Banana bunchy top virus originating from Pakistan. <i>Virus Genes</i> , 2011, 42, 272-281.	1.6	25
62	A common set of developmental miRNAs are upregulated in <i>Nicotiana benthamiana</i> by diverse begomoviruses. <i>Virology Journal</i> , 2011, 8, 143.	3.4	86
63	Comparison of phenotypes produced in response to transient expression of genes encoded by four distinct begomoviruses in <i>Nicotiana benthamiana</i> and their correlation with the levels of developmental miRNAs. <i>Virology Journal</i> , 2011, 8, 238.	3.4	51
64	RNA interference-based resistance against a legume mastrevirus. <i>Virology Journal</i> , 2011, 8, 499.	3.4	23
65	Both malvaceous and non-malvaceous betasatellites are associated with two wild cotton species grown under field conditions in Pakistan. <i>Virus Genes</i> , 2010, 41, 417-424.	1.6	17
66	The hypersensitive response induced by the V2 protein of a monopartite begomovirus is countered by the C2 protein. <i>Molecular Plant Pathology</i> , 2010, 11, 245-254.	4.2	74
67	Cotton leaf curl disease in resistant cotton is associated with a single begomovirus that lacks an intact transcriptional activator protein. <i>Virus Research</i> , 2010, 152, 153-163.	2.2	104
68	Cotton leaf curl disease in Sindh province of Pakistan is associated with recombinant begomovirus components. <i>Virus Research</i> , 2010, 153, 161-165.	2.2	51
69	Molecular characterisation of Banana bunchy top virus (BBTV) from Pakistan. <i>Virus Genes</i> , 2008, 36, 191-198.	1.6	31
70	Contribution of the satellite encoded gene $\hat{C}1$ to cotton leaf curl disease symptoms. <i>Virus Research</i> , 2007, 128, 135-139.	2.2	95
71	Engineering novel traits in plants through RNA interference. <i>Trends in Plant Science</i> , 2006, 11, 559-565.	8.8	148
72	Molecular characterization of geminivirus-derived small RNAs in different plant species. <i>Nucleic Acids Research</i> , 2006, 34, 462-471.	14.5	249

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73	Diversity of DNA 1: a satellite-like molecule associated with monopartite begomovirusâ€“DNA 1 <sup>2</sup> complexes. <i>Virology</i> , 2004, 324, 462-474.	2.4	203
74	Diversity of DNA 1 <sup>2</sup> , a satellite molecule associated with some monopartite begomoviruses. <i>Virology</i> , 2003, 312, 106-121.	2.4	391
75	Functional identification of <i>G. hirsutum</i> genes for their role in normal plant development and resistance against <i>Verticillium dahliae</i> using virus-induced gene silencing. <i>European Journal of Plant Pathology</i> , 0, , 1.	1.7	1