

# Vinod Saharan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

1,671  
citations

16  
h-index

40  
g-index

54  
ext. papers

2,016  
ext. citations

3.7  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
51	Chitosan nanomaterials: A prelim of next-generation fertilizers; existing and future prospects.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 288, 119356	10.3	2
50	Antioxidant properties and free radicals scavenging activities of pomegranate (Punica granatum L.) peels: An in-vitro study. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2022</b> , 42, 102368	4.2	0
49	Nano-strategies as Oral Drug Delivery Platforms for Treatment of Cancer: Challenges and Future Perspectives. <i>AAPS PharmSciTech</i> , <b>2022</b> , 23,	3.9	0
48	: An Insight to Nanomedicine. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 3367-3378	1.3	3
47	Slow-release Zn application through Zn-chitosan nanoparticles in wheat to intensify source activity and sink strength. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 168, 272-281	5.4	2
46	Physio-biochemical responses of wheat plant towards salicylic acid-chitosan nanoparticles. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 162, 699-705	5.4	8
45	Chitosan-silicon nanofertilizer to enhance plant growth and yield in maize (Zea mays L.). <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 159, 53-66	5.4	31
44	Mechanism of nanotoxicity in exposed to zinc and iron oxide. <i>Toxicology Reports</i> , <b>2021</b> , 8, 724-731	4.8	3
43	Smart Nano-Chitosan for Fungal Disease Control <b>2020</b> , 23-47		
42	Cu-chitosan nano-net improves keeping quality of tomato by modulating physio-biochemical responses. <i>Scientific Reports</i> , <b>2020</b> , 10, 21914	4.9	15
41	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 145, 226-234	7.9	37
40	Characterization Methods for Chitosan-Based Nanomaterials. <i>Nanotechnology in the Life Sciences</i> , <b>2019</b> , 103-116	1.1	3
39	Zinc-functionalized thymol nanoemulsion for promoting soybean yield. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 145, 64-74	5.4	8
38	Nanomaterials Synthesis and Characterization <b>2019</b> , 1-10		
37	Thymol Based Nanoemulsions <b>2019</b> , 164-182		
36	Simultaneous Estimation of Twenty Eight Phenolic Compounds by a Novel and Expeditious Method Developed on Quaternary Ultra-Performance Liquid Chromatography System with a Photodiode Array Detector. <i>Biomolecules</i> , <b>2019</b> , 10,	5.9	2
35	Zinc encapsulated chitosan nanoparticle to promote maize crop yield. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 127, 126-135	7.9	78

34	Salicylic acid functionalized chitosan nanoparticle: A sustainable biostimulant for plant. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 123, 59-69	7.9	66
33	Engineered chitosan based nanomaterials: Bioactivities, mechanisms and perspectives in plant protection and growth. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 494-506	7.9	113
32	Thymol nanoemulsion exhibits potential antibacterial activity against bacterial pustule disease and growth promotory effect on soybean. <i>Scientific Reports</i> , <b>2018</b> , 8, 6650	4.9	58
31	Extraction and Evaluation of Antioxidant and Free Radical Scavenging Potential Correlated with Biochemical Components of Red Rose Petals <b>2018</b> , 42, 1027-1036		4
30	Nanofertilizer for Precision and Sustainable Agriculture: Current State and Future Perspectives. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 6487-6503	5.7	236
29	Cu-chitosan nanoparticle boost defense responses and plant growth in maize ( <i>Zea mays</i> L.). <i>Scientific Reports</i> , <b>2017</b> , 7, 9754	4.9	165
28	Chitosan Metal Nanocomposites: Synthesis, Characterization, and Applications <b>2017</b> , 451-464		
27	In vitro Propagation of <i>Stevia rebaudiana</i> (Bertoni): An Overview. <i>International Journal of Current Microbiology and Applied Sciences</i> , <b>2017</b> , 6, 1010-1022	1.3	3
26	Effect of Laboratory Synthesized Cu-Chitosan Nanocomposites on Control of PFSR Disease of Maize caused by <i>Fusarium verticillioides</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> , <b>2017</b> , 6, 1656-1664	1.3	8
25	Assessment of Cu- Chitosan Nanoparticles for its Antibacterial Activity against <i>Pseudomonas syringae</i> pv. <i>glycinea</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> , <b>2017</b> , 6, 1335-1350	1.3	4
24	Ashwagandha Root Extract Inhibits Acetylcholine Esterase, Protein Modification and Ameliorates H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Stress in Rat Lymphocytes. <i>Pharmacognosy Journal</i> , <b>2017</b> , 9, 302-309	1.6	5
23	Synthesis, Characterization, and Application of Chitosan Nanomaterials Loaded with Zinc and Copper for Plant Growth and Protection <b>2017</b> , 227-247		16
22	Thidiazuron Induced Direct Shoot Organogenesis in <i>Stevia rebaudiana</i> and Assessment of Clonal Fidelity of Regenerated Plants by RAPD and ISSR. <i>International Journal of Current Microbiology and Applied Sciences</i> , <b>2017</b> , 6, 1690-1702	1.3	2
21	Cu-Chitosan Nanoparticle Mediated Sustainable Approach To Enhance Seedling Growth in Maize by Mobilizing Reserved Food. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 6148-55	5.7	127
20	Chitosan Based Nanomaterials in Plant Growth and Protection. <i>SpringerBriefs in Plant Science</i> , <b>2016</b> ,	0.3	13
19	Intervention of Fungi in Nano-Particle Technology and Applications. <i>Fungal Biology</i> , <b>2016</b> , 241-251	2.3	1
18	Properties and Types of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , <b>2016</b> , 23-32	0.3	5
17	Current and Future Prospects of Chitosan-Based Nanomaterials in Plant Protection and Growth. <i>SpringerBriefs in Plant Science</i> , <b>2016</b> , 43-48	0.3	3

16	Biological Activities of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , <b>2016</b> , 33-41	0.3	2
15	Synthesis of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , <b>2016</b> , 5-21	0.3	
14	Viral, Fungal and Bacterial Disease Resistance in Transgenic Plants <b>2016</b> , 627-656		7
13	Current Status of <i>Bacillus thuringiensis</i> : Insecticidal Crystal Proteins and Transgenic Crops <b>2016</b> , 657-698		2
12	Inactivation thermodynamics and iso-kinetic profiling for evaluating operational suitability of milk clotting enzyme immobilized in composite polymer matrix. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 317-28	7.9	7
11	Synthesis and in vitro antifungal efficacy of Cu-chitosan nanoparticles against pathogenic fungi of tomato. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 346-53	7.9	242
10	MgO Nanoparticles Biosynthesis and Its Effect on Chlorophyll Contents in the Leaves of Clusterbean ( <i>Cyamopsis tetragonoloba</i> L.). <i>Advanced Science, Engineering and Medicine</i> , <b>2014</b> , 6, 538-545 <sup>0.6</sup>		31
9	Nano-materials for plant protection with special reference to Nano-chitosan <b>2014</b> ,		4
8	Synthesis of chitosan based nanoparticles and their in vitro evaluation against phytopathogenic fungi. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 677-83	7.9	229
7	Protein landmarks for diversity assessment in wheat genotypes. <i>African Journal of Biotechnology</i> , <b>2013</b> , 12, 4640-4647	0.6	4
6	A high level of transgenic viral small RNA is associated with broad potyvirus resistance in cucurbits. <i>Molecular Plant-Microbe Interactions</i> , <b>2011</b> , 24, 1220-38	3.6	42
5	Effect of gibberellic acid combined with saponin on shoot elongation of <i>Asparagus officinalis</i> . <i>Biologia Plantarum</i> , <b>2010</b> , 54, 740-742	2.1	5
4	Larvicidal activity of saponins from <i>Balanites aegyptiaca</i> callus against <i>Aedes aegypti</i> mosquito. <i>Bioresource Technology</i> , <b>2008</b> , 99, 1165-8	11	49
3	Bioproduction of Diosgenin in Callus Cultures of <i>Balanites aegyptiaca</i> : Effect of Growth Regulators, Explants and Somatic Embryogenesis. <i>Natural Product Communications</i> , <b>2006</b> , 1, 1934578X0600100	0.9	1
2	High frequency plant regeneration from desiccated calli of indica rice ( <i>Oryza Sativa</i> l.). <i>African Journal of Biotechnology</i> , <b>2004</b> , 3, 256-259	0.6	23
1	Differential stem reserve food mobilization and sink strength in rice cultivars grown under submerged and aerobic conditions. <i>Journal of Plant Biochemistry and Biotechnology</i> , 1	1.6	