

# Devendra Jain

## List of Publications by Year in descending order

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64  
papers

826  
citations

567247

15  
h-index

610883

24  
g-index

66  
all docs

66  
docs citations

66  
times ranked

693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Agricultural Significance of Silica Nanoparticles Synthesized from a Silica Solubilizing Bacteria. Comments on Inorganic Chemistry, 2022, 42, 209-225.	5.2	4
2	Early selective strategies for higher yielding bio-economic Indian ginseng based on genotypic study through metabolic and molecular markers. Saudi Journal of Biological Sciences, 2022, 29, 3051-3061.	3.8	2
3	Genetic diversity among local mango ( <i>Mangifera indica</i> L.) germplasm using morphological, biochemical and chloroplast DNA barcodes analyses. Molecular Biology Reports, 2022, 49, 3491-3501.	2.3	4
4	Potassium solubilizing microorganisms as soil health engineers: An insight into molecular mechanism. , 2022, , 199-214.		2
5	NaNbO <sub>3</sub> Nanorods: Photopiezocatalysts for Elevated Bacterial Disinfection and Wastewater Treatment. ACS Omega, 2022, 7, 7595-7605.	3.5	35
6	Biogenic Synthesis of Silver Nanoparticles (AgNPs) Using Aqueous Leaf Extract of <i>Buchanania lanzan</i> Spreng and Evaluation of Their Antifungal Activity against Phytopathogenic Fungi. Bioinorganic Chemistry and Applications, 2022, 2022, 1-9.	4.1	13
7	Functional silver nanozymes regulate cell inflammatory cytokines expression in mouse macrophages. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129294.	4.7	5
8	Polyphasic Characterization of Plant Growth Promoting Cellulose Degrading Bacteria Isolated from Organic Manures. Current Microbiology, 2021, 78, 739-748.	2.2	9
9	Exploring Therapeutic Advancement and Strategies Associated with Drug Delivery in Brain-Tumor Targeting. Critical Reviews in Therapeutic Drug Carrier Systems, 2021, 38, 1-25.	2.2	2
10	Effect of Phospho Enriched Compost and Zinc on Productivity and Nutrient Uptake of Blackgram ( <i>Vigna mungo</i> L.) in Sub-humid Southern Hills and Aravalli Region of Rajasthan. Legume Research, 2021, , ,	0.1	1
11	Isolation and assessment of genetic diversity of plant growth promoting and abiotic stress tolerant chickpea mesorhizobia. Agricultural Research Journal, 2021, 58, 425-433.	0.2	0
12	Phenetic Characterization of Nitrogen Fixing <i>Azotobacter</i> from Rhizospheric Soil of Southern Rajasthan. Journal of Pure and Applied Microbiology, 2021, 15, 428-436.	0.9	5
13	Impact of foliar application of different nano-fertilizers on soil microbial properties and yield of wheat. Journal of Environmental Biology, 2021, 42, 302-308.	0.5	10
14	Screening and Optimization of Zinc Removal Potential in <i>Pseudomonas aeruginosa</i> -HMR1 and its Plant Growth-Promoting Attributes. Bulletin of Environmental Contamination and Toxicology, 2021, , 1.	2.7	24
15	PLGA-Based Nanoparticulate Systems. , 2021, , 73-96.		1
16	Effect of microbial consortia on growth and yield of wheat under typical haplustepts. Plant Physiology Reports, 2021, 26, 570-580.	1.5	4
17	Phenetic and Molecular Diversity of Nitrogen Fixating Plant Growth Promoting <i>Azotobacter</i> Isolated from Semiarid Regions of India. BioMed Research International, 2021, 2021, 1-9.	1.9	17
18	Biogenic synthesized nanoparticles a boon to human health. Materials Today: Proceedings, 2021, 43, 3211-3213.	1.8	3

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19	Zinc tolerant plant growth promoting bacteria alleviates phytotoxic effects of zinc on maize through zinc immobilization. <i>Scientific Reports</i> , 2020, 10, 13865.	3.3	51
20	Microbial Fabrication of Zinc Oxide Nanoparticles and Evaluation of Their Antimicrobial and Photocatalytic Properties. <i>Frontiers in Chemistry</i> , 2020, 8, 778.	3.6	84
21	Nitrification under the influence of long-term fertilizer application in a tropical vertisol. <i>Archives of Agronomy and Soil Science</i> , 2020, , 1-15.	2.6	2
22	Biochemical, functional and molecular characterization of pigeon pea rhizobia isolated from semi-arid regions of India. <i>Archives of Microbiology</i> , 2020, 202, 1809-1816.	2.2	6
23	Molecular Diversity Analysis and Metabolic Profiling of Seed Oil in <i>Lepidium sativum</i> L. Genotypes. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 641-654.	1.8	6
24	Molecular Diversity Analysis of Plant Growth Promoting Rhizobium Isolated from Groundnut and Evaluation of Their Field Efficacy. <i>Current Microbiology</i> , 2020, 77, 1550-1557.	2.2	12
25	Evaluation of Native Isolates of <i>Bacillus thuringiensis</i> against the Cotton Bollworm, <i>Helicoverpa armigera</i> (H <sup>14</sup> bner). <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 3450-3456.	0.1	0
26	Characterization of Chickpea ( <i>Cicer arietinum</i> L.) Genotypes through RAPD Analysis. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 1366-1372.	0.1	0
27	Highly efficient and selective antimicrobial isonicotinyhydrazide-coated polyoxometalate-functionalized silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110522.	5.0	29
28	Zinc biosorption, biochemical and molecular characterization of plant growth-promoting zinc-tolerant bacteria. <i>3 Biotech</i> , 2019, 9, 421.	2.2	32
29	Single step formation of biocompatible bimetallic alloy nanoparticles of gold and silver using isonicotinyhydrazide. <i>Materials Science and Engineering C</i> , 2019, 96, 286-294.	7.3	36
30	ISSR-Based Molecular Characterization of Opium poppy ( <i>Papaver somniferum</i> L.) Genotypes. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2019, 8, 2540-2545.	0.1	0
31	Insight into the composition and surface corona reliant biological behaviour of quercetin engineered nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 548, 1-9.	4.7	21
32	Gene Silencing in Horticultural Transgenic Crops. , 2018, , 47-61.		2
33	SSR-Marker assisted evaluation of Genetic Diversity in Mungbean ( <i>Vigna radiata</i> (L.) Wilczek) genotypes. <i>Brazilian Archives of Biology and Technology</i> , 2018, 61, .	0.5	10
34	Simplistic approach in extracellular synthesis of silver nanoparticles via bioreducing potential of <i>Planococcus plankortidis</i> strain BGCCâ€51 isolated from dye industry effluent soil. <i>IET Nanobiotechnology</i> , 2018, 12, 613-618.	3.8	4
35	Impact of Physicochemical Properties and Surface Chemistry of Nanomaterials on Toxicity. , 2018, , 35-61.		5
36	RAPD Analysis of Mustard ( <i>Brassica juncea</i> L.) Genotypes Differing in Response to Water Stress. <i>The Journal of Plant Science Research</i> , 2018, 34, 107-113.	0.1	1

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37	Genetic Diversity Analysis in Ashwagandha [ <i>Withania somnifera</i> (L.) Dunal] Genotypes. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 1574-1583.	0.1	1
38	Assessment of genetic diversity in black gram [ <i>Vigna mungo</i> (L.) Hepper] genotypes based on ISSR. Legume Research, 2018, , .	0.1	0
39	Molecular characterization and PCR-based screening of cry genes from <i>Bacillus thuringiensis</i> strains. 3 Biotech, 2017, 7, 4.	2.2	30
40	Therapeutic Role and Drug Delivery Potential of Neuroinflammation as a Target in Neurodegenerative Disorders. ACS Chemical Neuroscience, 2017, 8, 1645-1655.	3.5	16
41	Biosynthesised silver nanoparticles using aqueous leaf extract of <i>Tagetes patula</i> L. and evaluation of their antifungal activity against phytopathogenic fungi. IET Nanobiotechnology, 2017, 11, 531-537.	3.8	22
42	Molecular Marker based Genetic Diversity Analysis in Soybean [ <i>Glycine max</i> (L.) Merrill] Genotypes. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 1034-1044.	0.1	4
43	Biochemical Characterization of Oil from Groundnut ( <i>Arachis hypogaea</i> L.) Genotypes. International Journal of Plant & Soil Science, 2017, 15, 1-5.	0.2	0
44	Morphological Characterization and Assessment of Genetic Diversity in Soybean [ <i>Glycine max</i> (L.) Merrill] Genotypes. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 2371-2381.	0.1	0
45	RAPD Based Genetic Diversity Analysis in 25 Genotypes of <i>Withania somnifera</i> (L.) Dunal. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 2353-2361.	0.1	0
46	Diversity analysis of green gram ( <i>Vigna radiata</i> (L.) Wilczek) through morphological and molecular markers. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2016, 40, 229-240.	2.1	10
47	Viral, Fungal and Bacterial Disease Resistance in Transgenic Plants. , 2016, , 627-656.		8
48	Current Status of <i>Bacillus thuringiensis</i> : Insecticidal Crystal Proteins and Transgenic Crops. , 2016, , 657-698.		3
49	Assessment of Genetic Diversity in Mungbean Genotypes using ISSR Markers. Vegetos, 2016, 29, 54.	1.5	0
50	Rapid Identification of <i>Helicoverpa armigera</i> and <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) Using Ribosomal RNA Internal Transcribed Spacer 1. Journal of Insect Science, 2015, 15, 155.	1.5	37
51	Visible Light-Induced Photocatalytic and Antibacterial Activity of Li-Doped Bi <sub>0.5</sub> Na <sub>0.45</sub> K <sub>0.5</sub> TiO <sub>3</sub> BaTiO <sub>3</sub> Ferroelectric Ceramics. Journal of Electronic Materials, 2015, 44, 4334-4342.	2.2	23
52	Genetic diversity analysis in different genotypes of black gram [ <i>Vigna mungo</i> (L.) Hepper] using RAPD marker. Legume Research, 2015, , .	0.1	2
53	Assessment of molecular diversity of greengram [ <i>Vigna radiata</i> (L.) Wilczek] through RAPD. Legume Research, 2015, , .	0.1	0
54	Phytofabrication of Iron Oxide Nanoparticles Using <i>Calotropis Gigantea</i> L.. Advanced Science Focus, 2013, 1, 318-321.	0.1	3

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55	In vitro Plant Regeneration from Different Leaf Segments of <i>Verbesina encelioides</i> and Correlation with Endogenous Level of IAA. <i>Plant Tissue Culture and Biotechnology</i> , 2011, 20, 195-201.	0.2	0
56	Adventitious shoot regeneration and in vitro biosynthesis of steroidal lactones in <i>Withania coagulans</i> (Stocks) Dunal. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 135-140.	2.3	37
57	Assessment of genetic and biochemical diversity of ecologically variant ectomycorrhizal <i>Russula</i> sp. from India. <i>African Journal of Biotechnology</i> , 2010, 9, 1758-1763.	0.6	0
58	Novel microbial route to synthesize silver nanoparticles using spore crystal mixture of <i>Bacillus thuringiensis</i> . <i>Indian Journal of Experimental Biology</i> , 2010, 48, 1152-6.	0.0	35
59	Cloning, Characterization, and Expression of a New cry2Ab Gene From <i>Bacillus thuringiensis</i> Strain 14-1. <i>Applied Biochemistry and Biotechnology</i> , 2006, 128, 185-194.	2.9	19
60	Morphological, Biochemical, and Molecular Characterization of Orange-Fleshed Sweet Potato ( <i>Ipomoea batatas</i> [L.] Lam) Germplasm. , 0, , .		1
61	Fabrication of iron oxide nanoparticles from ammonia vapor and their importance in plant growth and dye degradation. <i>Particulate Science and Technology</i> , 0, , 1-7.	2.1	2
62	Genetic Variability Analysis in Local Germplasm of Ivy Gourd ( <i>Coccinia grandis</i> L.) in Southern Rajasthan Conditions. <i>Current Journal of Applied Science and Technology</i> , 0, , 104-111.	0.3	1
63	Root Exudates: Mechanistic Insight of Plant Growth Promoting Rhizobacteria for Sustainable Crop Production. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	74
64	Mechanistic Insights and Potential Use of Siderophores Producing Microbes in Rhizosphere for Mitigation of Stress in Plants Grown in Degraded Land. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	54