

# Dinesh Yadav

## List of Publications by Year in descending order

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48  
papers

1,227  
citations

430874

18  
h-index

395702

33  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pectin lyase: A review. <i>Process Biochemistry</i> , 2009, 44, 1-10.	3.7	208
2	Insights into structural and functional diversity of Dof (DNA binding with one finger) transcription factor. <i>Planta</i> , 2015, 241, 549-562.	3.2	125
3	From zero to hero: the past, present and future of grain amaranth breeding. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1807-1823.	3.6	99
4	Genome wide identification of Dof transcription factor gene family in sorghum and its comparative phylogenetic analysis with rice and Arabidopsis. <i>Molecular Biology Reports</i> , 2011, 38, 5037-5053.	2.3	92
5	Purification and characterization of an alkaline pectin lyase from <i>Aspergillus flavus</i> . <i>Process Biochemistry</i> , 2008, 43, 547-552.	3.7	56
6	Constitutive overexpression of the <i>TaNF-YB4</i> gene in transgenic wheat significantly improves grain yield. <i>Journal of Experimental Botany</i> , 2015, 66, 6635-6650.	4.8	56
7	Purification and Characterization of Pectin Lyase Produced by <i>Aspergillus terricola</i> and its Application in Retting of Natural Fibers. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 270-283.	2.9	52
8	Production, purification and biochemical characterization of an exo-polygalacturonase from <i>Aspergillus niger</i> MTCC 478 suitable for clarification of orange juice. <i>3 Biotech</i> , 2017, 7, 122.	2.2	44
9	In Silico Characterization of Alkaline Proteases from Different Species of <i>Aspergillus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 243-257.	2.9	37
10	Plant-microbiome interactions for sustainable agriculture: a review. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 165-179.	3.1	37
11	In silico analysis of pectin lyase and pectinase sequences. <i>Biochemistry (Moscow)</i> , 2009, 74, 1049-1055.	1.5	32
12	Genome wide in silico characterization of Dof gene families of pigeonpea ( <i>Cajanus cajan</i> (L) Millsp.). <i>Molecular Biology Reports</i> , 2015, 42, 535-552.	2.3	31
13	Purification and characterization of polygalacturonase from <i>Aspergillus fumigatus</i> MTCC 2584 and elucidating its application in retting of <i>Crotalaria juncea</i> fiber. <i>3 Biotech</i> , 2016, 6, 201.	2.2	25
14	Analysis of genetic diversity in cowpea ( <i>Vigna unguiculata</i> L.Walp.) cultivars with random amplified polymorphic DNA markers. <i>Plant Systematics and Evolution</i> , 2012, 298, 523-526.	0.9	23
15	Purification and characterisation of an acidic pectin lyase produced by <i>Aspergillus ficuum</i> strain MTCC 7591 suitable for clarification of fruit juices. <i>Annals of Microbiology</i> , 2008, 58, 61-65.	2.6	22
16	In Silico Characterization of Pectate Lyase Protein Sequences from Different Source Organisms. <i>Enzyme Research</i> , 2010, 2010, 1-11.	1.8	22
17	Genome-wide characterization of Nuclear Factor Y (NF-Y) gene family of sorghum [ <i>Sorghum bicolor</i> (L.) Moench]: a bioinformatics approach. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 33-49.	3.1	22
18	Purification and biochemical characterization of an alkaline pectin lyase from <i>Fusarium decemcellulare</i> MTCC 2079 suitable for <i>Crotalaria juncea</i> fiber retting. <i>Journal of Basic Microbiology</i> , 2014, 54, S161-9.	3.3	18

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19	Genome Wide In Silico Characterization of Dof Transcription Factor Gene Family of Sugarcane and Its Comparative Phylogenetic Analysis with Arabidopsis, Rice and Sorghum. Sugar Tech, 2014, 16, 372-384.	1.8	16
20	Comparative assessment of methods for metagenomic DNA isolation from soils of different crop growing fields. 3 Biotech, 2016, 6, 220.	2.2	16
21	Genome-wide bioinformatics analysis of Dof transcription factor gene family of chickpea and its comparative phylogenetic assessment with Arabidopsis and rice. Plant Systematics and Evolution, 2016, 302, 1009-1026.	0.9	16
22	Purification and characterization of pectin lyase secreted by <i>Penicillium citrinum</i> . Biochemistry (Moscow), 2009, 74, 800-806.	1.5	15
23	Characterization of a neutral pectin lyase produced by <i>Oidiodendron echinulatum</i> MTCC 1356 in solid state fermentation. Journal of Basic Microbiology, 2012, 52, 713-720.	3.3	14
24	Purification and biochemical characterization of an exo-polygalacturonase from <i>Aspergillus flavus</i> MTCC 7589. Biocatalysis and Agricultural Biotechnology, 2017, 10, 264-269.	3.1	13
25	Purification, characterization and retting of <i>Crotalaria juncea</i> fibres by an alkaline pectin lyase from <i>Fusarium oxysporum</i> MTCC 1755. 3 Biotech, 2017, 7, 136.	2.2	12
26	Cloning, In Silico Characterization and Prediction of Three Dimensional Structure of SbDof1, SbDof19, SbDof23 and SbDof24 Proteins from Sorghum [ <i>Sorghum bicolor</i> (L.) Moench]. Molecular Biotechnology, 2013, 54, 1-12.	2.4	11
27	Assessment of genetic diversity among cereals and millets based on PCR amplification using Dof (DNA) Tj ETQq1 1 0.784314 rgBT /Oy... 2015, 301, 833-840.	0.9	11
28	Pectinases: from microbes to industries. , 2020, , 287-313.		11
29	Molecular cloning and expression profiling of multiple Dof genes of <i>Sorghum bicolor</i> (L) Moench. Molecular Biology Reports, 2016, 43, 767-774.	2.3	10
30	Determination of arsenic extraction by <i>Vetiveria zizanioides</i> (L.) Nash plant for phytoremediation application. Chemistry and Ecology, 2016, 32, 1-11.	1.6	10
31	Potential of Microbial Enzymes in Retting of Natural Fibers: A Review. Current Biochemical Engineering, 2016, 3, 89-99.	1.3	9
32	Purification and characterization of a highly alkaline pectin lyase from <i>Fusarium lateritium</i> MTCC 8794. Biologia (Poland), 2017, 72, 245-251.	1.5	8
33	Purification and characterization of an exo-polygalacturonase secreted by <i>Rhizopus oryzae</i> MTCC 1987 and its role in retting of <i>Crotalaria juncea</i> fibre. Biologia (Poland), 2012, 67, 1069-1074.	1.5	7
34	<i>In-silico</i> Analysis of Manganese Peroxidases from Different Fungal Sources. Current Proteomics, 2017, 14, .	0.3	7
35	Purification and characterization of pectin lyase secreted by <i>Aspergillus flavus</i> MTCC 10938. Applied Biochemistry and Microbiology, 2013, 49, 400-405.	0.9	6
36	Active Site Characterization of Proteases Sequences from Different Species of <i>Aspergillus</i> . Cell Biochemistry and Biophysics, 2016, 74, 327-335.	1.8	6

#	ARTICLE	IF	CITATIONS
37	Patents in the Era of Genomics: An Overview. Recent Patents on DNA & Gene Sequences, 2012, 6, 127-144.	0.7	5
38	Genome-Wide Assessment of Polygalacturonases-Like (PGL) Genes of Medicago truncatula, Sorghum bicolor, Vitis vinifera and Oryza sativa Using Comparative Genomics Approach. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 704-721.	3.6	5
39	Molecular Biology, Genomics and Bioinformatics Insights into Fungal Pectin Lyase: An overview. , 2017, , 51-64.		4
40	Molecular Cloning and Structural Insights into Pectin Lyase Proteins from Different Strains of Fusarium. Current Proteomics, 2021, 18, 326-337.	0.3	3
41	Assessment of In vitro Multiple Shoot Bud Induction from Leaf Explants among Eleven Indian Cultivars of Pigeon Pea (Cajanus cajan L. Mill sp.). Biotechnology, 2011, 10, 534-539.	0.1	3
42	Biotechnological Intervention for Sugarcane Improvement Under Salinity. Sugar Tech, 2023, 25, 15-31.	1.8	3
43	Purification and Characterization of Pectin Lyase Secreted by Aspergillus flavus MTCC 10938. Prikladnaia Biokhimiia I Mikrobiologiia, 2013, 49, 396-401.	0.4	2
44	PCR Amplification, Sequencing, and In Silico Characterization of Pectin Lyase Genes from Aspergillus flavus NIICC8142. , 2014, , 413-421.		2
45	Deciphering soil microbiota using metagenomic approach for sustainable agriculture: an overview. , 2022, , 439-454.		1
46	Intellectual Property Rights in Plant Biotechnology. , 2013, , 621-670.		0
47	Bioinformatics Insights Into Microbial Xylanase Protein Sequences. Biosciences, Biotechnology Research Asia, 2018, 15, 275-294.	0.5	0
48	Genome-wide predictions, structural and functional annotations of plant transcription factor gene families: a bioinformatics approach. , 2022, , 79-106.		0