

# Reena Gupta

## List of Publications by Year in descending order

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53  
papers

2,197  
citations

394421

19  
h-index

223800

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial pectinolytic enzymes: A review. <i>Process Biochemistry</i> , 2005, 40, 2931-2944.	3.7	831
2	Production, purification, and characterization of lipase from thermophilic and alkaliphilic <i>Bacillus coagulans</i> BTS-3. <i>Protein Expression and Purification</i> , 2005, 41, 38-44.	1.3	200
3	Polyhydroxyalkanoate (PHA): Properties and Modifications. <i>Polymer</i> , 2021, 212, 123161.	3.8	136
4	Glutaraldehyde activation of polymer Nylon-6 for lipase immobilization: Enzyme characteristics and stability. <i>Bioresource Technology</i> , 2008, 99, 2566-2570.	9.6	100
5	Alkaline pectinases: A review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 279-285.	3.1	98
6	Biodiesel production by transesterification using immobilized lipase. <i>Biotechnology Letters</i> , 2013, 35, 479-490.	2.2	85
7	Screening of Bacterial Strains for Polygalacturonase Activity: Its Production by <i>Bacillus sphaericus</i> (MTCC 7542). <i>Enzyme Research</i> , 2010, 2010, 1-5.	1.8	52
8	Synthesis of a PEGylated Dopamine Ester with Enhanced Antibacterial and Antifungal Activity. <i>ACS Omega</i> , 2018, 3, 7925-7933.	3.5	47
9	Production, Purification, and Characterization of Polygalacturonase from <i>Mucor circinelloides</i> ITCC 6025. <i>Enzyme Research</i> , 2010, 2010, 1-7.	1.8	44
10	Blends and composites of polyhydroxyalkanoates (PHAs) and their applications. <i>European Polymer Journal</i> , 2021, 161, 110824.	5.4	38
11	Production and Characterization of Biodiesel Using Nonedible Castor Oil by Immobilized Lipase from <i>Bacillus aeruginosa</i> . <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	33
12	Thermal adaptation of $\alpha$ -amylases: a review. <i>Extremophiles</i> , 2014, 18, 937-944.	2.3	31
13	Synthesis of geranyl butyrate with the poly(acrylic acid-co-hydroxy propyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 207 <i>aeruginosa</i> MTCC 4713. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2681-2692.	2.6	30
14	Polyhydroxyalkanoate and its efficient production: an eco-friendly approach towards development. <i>3 Biotech</i> , 2020, 10, 549.	2.2	30
15	Immobilization of lipase on hydrogels: Structural aspects of polymeric matrices as determinants of enzyme activity in different physical environments. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3135-3143.	2.6	29
16	Immobilization of Commercial Pectinase (Polygalacturonase) on Celite and Its Application in Juice Clarification. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 2135-2141.	2.0	27
17	Effect of Solvents and Kinetic Parameters on Synthesis of Ethyl Propionate Catalysed by Poly (AAc-co-HPMA-cl-MBAm)-Matrix-Immobilized Lipase of <i>Pseudomonas aeruginosa</i> BTS-2.. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1037-1044.	3.6	26
18	Application of calcium alginate immobilized and crude pectin lyase from <i>Bacillus cereus</i> in degumming of plant fibres. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 341-348.	2.0	22

#	ARTICLE	IF	CITATIONS
19	The lipases and their applications with emphasis on food industry. , 2021, , 143-164.		21
20	Lipases in Medicine: An Overview. Mini-Reviews in Medicinal Chemistry, 2015, 15, 1209-1216.	2.4	21
21	Synthesis of Chirally Pure Enantiomers by Lipase. Journal of Oleo Science, 2017, 66, 1073-1084.	1.4	19
22	Characterization and Catalytic Properties of Free and Silica-Bound Lipase: a Comparative Study. Journal of Oleo Science, 2014, 63, 599-605.	1.4	18
23	Comparative Study of Free and Immobilized Lipase from <i>Bacillus aerius</i> and its Application in Synthesis of Ethyl Ferulate. Journal of Oleo Science, 2014, 63, 911-919.	1.4	17
24	Purification of lipase from <i>Aspergillus fumigatus</i> using Octyl Sepharose column chromatography and its characterization. Journal of Basic Microbiology, 2018, 58, 857-866.	3.3	17
25	Enhanced Thermostability of Silica-immobilized Lipase from <i>Bacillus coagulans</i> BTS-3 and Synthesis of Ethyl Propionate. Acta Microbiologica Et Immunologica Hungarica, 2006, 53, 219-231.	0.8	16
26	Application of lipase immobilized on nylon for the synthesis of butyl acetate by transesterification reaction in n-heptane. Journal of Applied Polymer Science, 2007, 106, 2724-2729.	2.6	16
27	Immobilization of polygalacturonase from <i>Aspergillus niger</i> onto activated polyethylene and its application in apple juice clarification. Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 33-51.	0.8	16
28	Green synthesis of isoamyl acetate via silica immobilized novel thermophilic lipase from <i>Bacillus aerius</i> . Russian Journal of Bioorganic Chemistry, 2016, 42, 69-73.	1.0	16
29	Isolation of a novel lipase producing fungal isolate <i>Aspergillus fumigatus</i> and production optimization of enzyme. Biocatalysis and Biotransformation, 2018, 36, 450-457.	2.0	16
30	Immobilization of Lipase from <i>Geobacillus</i> sp. and Its Application in Synthesis of Methyl Salicylate. Journal of Oleo Science, 2017, 66, 391-398.	1.4	14
31	Isolation of lipase producing thermophilic bacteria: Optimization of production and reaction conditions for lipase from <i>Geobacillus</i> sp.. Acta Microbiologica Et Immunologica Hungarica, 2012, 59, 435-450.	0.8	13
32	Thermostability and esterification of a polyethylene-immobilized lipase from <i>Bacillus coagulans</i> BTS-3. Journal of Applied Polymer Science, 2006, 102, 3986-3993.	2.6	12
33	Synthesis of 4-nitrophenyl acetate using molecular sieve-immobilized lipase from <i>Bacillus coagulans</i> . Journal of Industrial Microbiology and Biotechnology, 2009, 36, 401-407.	3.0	11
34	Application of Lipase Purified from <i>Aspergillus fumigatus</i> in the Syntheses of Ethyl Acetate and Ethyl Lactate. Journal of Oleo Science, 2020, 69, 23-29.	1.4	11
35	Purification and Physicochemical Properties of Lipase from Thermophilic <i>Bacillus aerius</i> . Journal of Oleo Science, 2014, 63, 1261-1268.	1.4	10
36	Isolation, characterization and identification of pesticide degrading bacteria from contaminated soil for bioremediation. Biologia Futura, 2021, 72, 317-323.	1.4	10

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37	Statistical optimization of production conditions of alkaline pectin lyase from <i>Bacillus cereus</i> using response surface methodology. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 417-426.	2.0	8
38	Trends in PHA Production by Microbially Diverse and Functionally Distinct Communities. <i>Microbial Ecology</i> , 2023, 85, 572-585.	2.8	7
39	Purification of Pectin Methylesterase from <i>Lycopersicon esculentum</i> and its Application. <i>Protein and Peptide Letters</i> , 2012, 19, 1205-1211.	0.9	6
40	Influence of Culture Conditions on the Production of Extracellular Esterase from <i>Bacillus licheniformis</i> and Its Characterization. <i>Journal of Oleo Science</i> , 2020, 69, 467-477.	1.4	5
41	Immobilization and applications of esterases. <i>Biocatalysis and Biotransformation</i> , 0, , 1-16.	2.0	5
42	Optimization of production and reaction conditions of polygalacturonase from <i>Byssoschlamys fulva</i> . <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2011, 58, 339-349.	0.8	4
43	Synthesis of Methyl Butyrate Catalyzed by Lipase from <i>Aspergillus fumigatus</i> . <i>Journal of Oleo Science</i> , 2019, 68, 989-993.	1.4	4
44	Purification of high molecular weight thermotolerant esterase from <i>Serratia</i> sp. and its characterization. <i>3 Biotech</i> , 2021, 11, 308.	2.2	4
45	Reactions of Oxidobis(quinolin-8-olato)vanadium(IV) with Hydroxamate Ligands: A Route Providing Mixed Ligand and Quinolin-8-olato-Free Vanadium(IV) Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 1310-1317.	3.2	3
46	Indian entrepreneurship in biotechnology comes of age. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 90-99.	1.7	3
47	Bionanomaterials from Agricultural Wastes. <i>Advanced Structured Materials</i> , 2020, , 243-260.	0.5	3
48	A Purified Alkaline and Detergent-Tolerant Lipase from <i>Aspergillus fumigatus</i> with Potential Application in Removal of Mustard Oil Stains from Cotton Fabric. <i>Tenside, Surfactants, Detergents</i> , 2021, 58, 442-451.	1.2	3
49	Effect of immobilized polygalacturonase from <i>Mucor circinelloides</i> ITCC-6025 on wine fermentation. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 196-202.	3.1	1
50	Designing a cost-effective and dual-functional muslin-based anion exchanger for defluoridation. <i>Desalination and Water Treatment</i> , 2014, 52, 6792-6801.	1.0	1
51	Purification of Pectin Lyase from <i>Byssoschlamys fulva</i> : Its Application in Wine Fermentation. <i>Journal of Food Processing and Preservation</i> , 2016, 40, 615-623.	2.0	1
52	Polyhydroxyalkanoates-based bionanocomposites for food packaging applications. , 2022, , 247-272.		1
53	Statistical Approach to Enhance $\alpha$ -Amylase Production from <i>Bacillus licheniformis</i> and Purification of the Enzyme. <i>Current Biotechnology</i> , 2022, 11, 60-70.	0.4	0