

# Anita Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,069  
citations

394421

19  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced saccharification of rice straw and hull by microwave alkali pretreatment and lignocellulolytic enzyme production. <i>Bioresource Technology</i> , 2011, 102, 1773-1782.	9.6	121
2	Ethanol from lignocellulosic biomass: An in-depth analysis of pre-treatment methods, fermentation approaches and detoxification processes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105798.	6.7	92
3	Comparative study on ethanol production from pretreated sugarcane bagasse using immobilized <i>Saccharomyces cerevisiae</i> on various matrices. <i>Renewable Energy</i> , 2013, 50, 488-493.	8.9	82
4	Enzymatic hydrolysis optimization of microwave alkali pretreated wheat straw and ethanol production by yeast. <i>Bioresource Technology</i> , 2012, 108, 94-101.	9.6	78
5	Lignocellulosic Biomass Valorization for Bioethanol Production: a Circular Bioeconomy Approach. <i>Bioenergy Research</i> , 2022, 15, 1820-1841.	3.9	78
6	Enzymatic hydrolysis of microwave alkali pretreated rice husk for ethanol production by <i>Saccharomyces cerevisiae</i> , <i>Scheffersomyces stipitis</i> and their co-culture. <i>Fuel</i> , 2014, 116, 699-702.	6.4	72
7	Biosorption of Cu (II) using free and immobilized biomass of <i>Penicillium citrinum</i> . <i>Ecological Engineering</i> , 2013, 61, 486-490.	3.6	64
8	An overview on the recent developments in fungal cellulase production and their industrial applications. <i>Bioresource Technology Reports</i> , 2021, 14, 100652.	2.7	59
9	Comparative study of various pretreatment techniques for ethanol production from water hyacinth. <i>Industrial Crops and Products</i> , 2013, 44, 283-289.	5.2	55
10	Optimization of ethanol production from microwave alkali pretreated rice straw using statistical experimental designs by <i>Saccharomyces cerevisiae</i> . <i>Industrial Crops and Products</i> , 2012, 37, 334-341.	5.2	46
11	Ethanol production from pretreated wheat straw hydrolyzate by <i>Saccharomyces cerevisiae</i> via sequential statistical optimization. <i>Industrial Crops and Products</i> , 2013, 41, 221-226.	5.2	42
12	Optimization of enzymatic hydrolysis of pretreated rice straw and ethanol production. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1785-1793.	3.6	40
13	Laccase production by <i>Aspergillus heteromorphus</i> using distillery spent wash and lignocellulosic biomass. <i>Journal of Hazardous Materials</i> , 2010, 176, 1079-1082.	12.4	33
14	Physico-chemical pretreatment and enzymatic hydrolysis of cotton stalk for ethanol production by <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2017, 244, 71-77.	9.6	31
15	Exploration of low-cost agro-industrial waste substrate for cellulase and xylanase production using <i>Aspergillus heteromorphus</i> . <i>Applied Water Science</i> , 2020, 10, 1.	5.6	26
16	Removal of aromatic inhibitors produced from lignocellulosic hydrolysates by <i>Acinetobacter baylyi</i> ADP1 with formation of ethanol by <i>Kluyveromyces marxianus</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 91.	6.2	25
17	COVID-19 and waste management in Indian scenario: challenges and possible solutions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52702-52723.	5.3	25
18	Biogenic sulfides for sequestration of Cr (VI), COD and sulfate from synthetic wastewater. <i>Water Science</i> , 2015, 29, 19-25.	1.6	23

#	ARTICLE	IF	CITATIONS
19	Evaluation and statistical optimization of methane oxidation using rice husk amended dumpsite soil as biocover. Waste Management, 2016, 53, 136-143.	7.4	20
20	Malachite green dye decolorization on immobilized dead yeast cells employing sequential design of experiments. Ecological Engineering, 2012, 47, 291-296.	3.6	18
21	Nanomaterial in liquid biofuel production: applications and current status. Environmental Sustainability, 2021, 4, 343-353.	2.8	13
22	Adding value to agro-industrial waste for cellulase and xylanase production via solid-state bioconversion. Biomass Conversion and Biorefinery, 2023, 13, 7481-7490.	4.6	7
23	Statistical screening and optimization of process variables for xylanase production utilizing alkali-pretreated rice husk. Annals of Microbiology, 2013, 63, 353-361.	2.6	5
24	Evaluation of cellulase production from Aspergillus niger and Aspergillus heteromorphus under submerged and solid-state fermentation. Environmental Sustainability, 2021, 4, 437-442.	2.8	5
25	Suitability assessment of dumpsite soil biocover to reduce methane emission from landfills under interactive influence of nutrients. Environmental Science and Pollution Research, 2021, 28, 1519-1532.	5.3	4
26	Statistical assessment of dumpsite soil suitability to enhance methane bio-oxidation under interactive influence of substrates and temperature. Waste Management, 2017, 63, 188-195.	7.4	3
27	An In-Depth Evaluation of Feedstock, Production Process, Catalyst for Biodiesel Production. Energy, Environment, and Sustainability, 2022, , 515-533.	1.0	2
28	Editorial: Thematic issue “Bio-based materials for biorefineries: innovative processes and concepts” Biomass Conversion and Biorefinery, 0, , 1.	4.6	0