

# Pritam Kumar Dikshit

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,052  
citations

471509

17  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in polymeric non-invasive insulin delivery. International Journal of Biological Macromolecules, 2022, 203, 222-243.	7.5	45
2	Green in situ immobilization of gold and silver nanoparticles on bacterial nanocellulose film using Punica granatum peels extract and their application as reusable catalysts. International Journal of Biological Macromolecules, 2022, 205, 169-177.	7.5	23
3	Recent developments in landfill leachate treatment: Aerobic granular reactor and its future prospects. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100689.	2.9	6
4	Recent Developments in Bacterial Nanocellulose Production and its Biomedical Applications. Journal of Polymers and the Environment, 2022, 30, 4040-4067.	5.0	12
5	Recent development in bacterial cellulose production and synthesis of cellulose based conductive polymer nanocomposites. Nano Select, 2021, 2, 1605-1628.	3.7	32
6	Green Synthesis of Metallic Nanoparticles: Applications and Limitations. Catalysts, 2021, 11, 902.	3.5	237
7	Production of 7,10-dihydroxy-8(E)-octadecenoic acid using cell-free supernatant of Pseudomonas aeruginosa. Enzyme and Microbial Technology, 2021, 150, 109892.	3.2	2
8	Recent nanobiotechnological advancements in lignocellulosic biomass valorization: A review. Journal of Environmental Management, 2021, 297, 113422.	7.8	43
9	Current Trends and Future Prospects of Nanotechnology in Biofuel Production. Catalysts, 2021, 11, 1308.	3.5	41
10	Cofe-fermentation of agricultural and industrial waste by <i>Naganishia albida</i> for microbial lipid production in fed-batch fermentation. Journal of Chemical Technology and Biotechnology, 2020, 95, 813-821.	3.2	17
11	Bacterial cellulose production from biodiesel-derived crude glycerol, magnetic functionalization, and its application as carrier for lipase immobilization. International Journal of Biological Macromolecules, 2020, 153, 902-911.	7.5	35
12	Catalytic activity of magnetic iron oxide nanoparticles for hydrogen peroxide decomposition: optimization and characterization. Journal of Chemical Technology and Biotechnology, 2020, 95, 2495-2508.	3.2	12
13	Biological conversion of lignin and its derivatives to fuels and chemicals. Korean Journal of Chemical Engineering, 2020, 37, 387-401.	2.7	24
14	Production, Characterization, and Applications of Biodegradable Polymer: Polyhydroxyalkanoates. Materials Horizons, 2020, , 51-94.	0.6	15
15	Rapid and reusable detection of hydrogen peroxide using polyurethane scaffold incorporated with cerium oxide nanoparticles. Korean Journal of Chemical Engineering, 2019, 36, 2143-2152.	2.7	12
16	Batch and Repeated-Batch Fermentation for 1,3-Dihydroxyacetone Production from Waste Glycerol Using Free, Immobilized and Resting Gluconobacter oxydans Cells. Waste and Biomass Valorization, 2019, 10, 2455-2465.	3.4	15
17	Investigations in sonication-induced intensification of crude glycerol fermentation to dihydroxyacetone by free and immobilized Gluconobacter oxydans. Bioresource Technology, 2018, 256, 302-311.	9.6	36
18	Valorization of Waste Glycerol to Dihydroxyacetone with Biocatalysts Obtained from Gluconobacter oxydans. Applied Sciences (Switzerland), 2018, 8, 2517.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Production, ultrasonic extraction, and characterization of poly (3-hydroxybutyrate) (PHB) using <i>Bacillus megaterium</i> and <i>Cupriavidus necator</i> . <i>Polymers for Advanced Technologies</i> , 2018, 29, 2392-2400.	3.2	82
20	Microbial production, ultrasound-assisted extraction and characterization of biopolymer polyhydroxybutyrate (PHB) from terrestrial ( <i>P. hysterophorus</i> ) and aquatic ( <i>E. crassipes</i> ) invasive weeds. <i>Bioresource Technology</i> , 2017, 242, 304-310.	9.6	81
21	Process optimization and analysis of product inhibition kinetics of crude glycerol fermentation for 1,3-Dihydroxyacetone production. <i>Bioresource Technology</i> , 2017, 244, 362-370.	9.6	32
22	Kinetic analysis of dihydroxyacetone production from crude glycerol by immobilized cells of <i>Gluconobacter oxydans</i> MTCC 904. <i>Bioresource Technology</i> , 2016, 216, 948-957.	9.6	31
23	Physical insight into ultrasound-assisted biodesulfurization using free and immobilized cells of <i>Rhodococcus rhodochrous</i> MTCC 3552. <i>Chemical Engineering Journal</i> , 2016, 295, 254-267.	12.7	45
24	Optimization of 1,3-dihydroxyacetone production from crude glycerol by immobilized <i>Gluconobacter oxydans</i> MTCC 904. <i>Bioresource Technology</i> , 2016, 216, 1058-1065.	9.6	42
25	Bioenergy from rice crop residues: role in developing economies. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 373-394.	4.1	28
26	Ultrasound assisted biodesulfurization of liquid fuel using free and immobilized cells of <i>Rhodococcus rhodochrous</i> MTCC 3552: A mechanistic investigation. <i>Bioresource Technology</i> , 2015, 187, 369-378.	9.6	77
27	Purification and characterization of acidic cellulase from <i>Bacillus amyloliquefaciens</i> SS35 for hydrolyzing <i>Parthenium hysterophorus</i> biomass. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 810-818.	2.3	15
28	Extraction and characterization of lignin from waste invasive weeds with dioxane-based process. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	1