

# Dipesh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,648  
citations

471509

17  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Latest developments on application of heterogenous basic catalysts for an efficient and eco friendly synthesis of biodiesel: A review. <i>Fuel</i> , 2011, 90, 1309-1324.	6.4	289
2	Advances in synthesis of biodiesel via enzyme catalysis: Novel and sustainable approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1447-1464.	16.4	236
3	Application of an Efficient Nonconventional Heterogeneous Catalyst for Biodiesel Synthesis from <i>Pongamia pinnata</i> Oil. <i>Energy &amp; Fuels</i> , 2010, 24, 3223-3231.	5.1	177
4	Advancements in solid acid catalysts for ecofriendly and economically viable synthesis of biodiesel. <i>Biofuels, Bioproducts and Biorefining</i> , 2011, 5, 69-92.	3.7	170
5	Utilization of lignocellulosic biomass by oleaginous yeast and bacteria for production of biodiesel and renewable diesel. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 654-671.	16.4	102
6	<i>Ricinus communis</i> : A robust plant for bio-energy and phytoremediation of toxic metals from contaminated soil. <i>Ecological Engineering</i> , 2015, 84, 640-652.	3.6	82
7	Algal biorefinery: An integrated approach for sustainable biodiesel production. <i>Biomass and Bioenergy</i> , 2019, 131, 105398.	5.7	70
8	Cement wastes as transesterification catalysts for the production of biodiesel from Karanja oil. <i>Journal of Cleaner Production</i> , 2018, 183, 26-34.	9.3	66
9	High Yield and Conversion of Biodiesel from a Nonedible Feedstock ( <i>Pongamia pinnata</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 242-247.	5.2	64
10	Process optimization of biodiesel production catalyzed by CaO nanocatalyst using response surface methodology. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 269-280.	9.1	60
11	Green tea ( <i>Camellia assamica</i> ) extract as an antioxidant additive to enhance the oxidation stability of biodiesel synthesized from waste cooking oil. <i>Fuel</i> , 2020, 262, 116658.	6.4	59
12	Synthesis of biodiesel from <i>Jatropha curcas</i> oil using waste eggshell and study of its fuel properties. <i>RSC Advances</i> , 2015, 5, 63596-63604.	3.6	49
13	<i>Tinospora cordifolia</i> stem extract as an antioxidant additive for enhanced stability of Karanja biodiesel. <i>Industrial Crops and Products</i> , 2018, 123, 10-16.	5.2	32
14	Biodiesel antioxidants and their impact on the behavior of diesel engines: A comprehensive review. <i>Fuel Processing Technology</i> , 2022, 232, 107264.	7.2	31
15	Effect of winterization and plant phenolic-additives on the cold-flow properties and oxidative stability of Karanja biodiesel. <i>Fuel</i> , 2020, 262, 116631.	6.4	28
16	BaZrO <sub>3</sub> and Cs-BaZrO <sub>3</sub> catalysed transesterification of <i>Millettia Pinnata</i> oil and optimisation of reaction variables by response surface Box-Behnken design. <i>Renewable Energy</i> , 2019, 133, 411-421.	8.9	22
17	Solar irradiation assisted synthesis of biodiesel from waste cooking oil using calcium oxide derived from chicken eggshell. <i>Fuel</i> , 2020, 273, 117778.	6.4	22
18	Role of biomass supply chain management in sustainable bioenergy production. <i>Biofuels</i> , 2019, 10, 109-119.	2.4	16

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19	Passion fruit seed extract as an antioxidant additive for biodiesel; shelf life and consumption kinetics. <i>Fuel</i> , 2021, 289, 119906.	6.4	16
20	COVID-19 driven changes in the air quality; a study of major cities in the Indian state of Uttar Pradesh. <i>Environmental Pollution</i> , 2021, 274, 116512.	7.5	15
21	Biodiesel: Feedstocks, Technologies, Economics and Barriers. , 2019, , .		14
22	Bio-oil and Biodiesel as Biofuels Derived from Microalgal Oil and Their Characterization by Using Instrumental Techniques. , 2015, , 87-95.		5
23	Bioenergy and Phytoremediation Potential of <i>Millettia pinnata</i> . , 2017, , 169-188.		5
24	Life Cycle Assessment of Algal Biofuels. , 2015, , 165-181.		4
25	Assessing the effectiveness of Bael leaf extract towards stabilization of biodiesel during accelerated oxidation tests. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3391-3403.	4.6	4
26	Biodiesel from Algae. , 2019, , 77-112.		3
27	Challenges and Opportunities in Commercialization of Algal Biofuels. , 2017, , 421-450.		2
28	Sustainability of Oil Seed-Bearing Bioenergy Plants in India ( <i>Jatropha</i> , <i>Karanja</i> , and <i>Castor</i> ) for Phytoremediation: A Meta-analysis Study. , 2017, , 409-430.		2
29	Biodiesel from Plant Oil and Waste Cooking Oil. , 2019, , 15-75.		2
30	Biodiesel and an overview of waste utilization at the various production stages. , 2022, , 1-16.		1
31	Greening the Indian Transport Sector: Role of Biodiesel. , 2017, , 91-104.		0
32	Phycoremediation of Nutrients and Valorisation of Microalgal Biomass: An Economic Perspective. , 2019, , 1-15.		0
33	Biocatalysis in industrial biodiesel and bioethanol production. , 2021, , 1-28.		0
34	Sustainable Production of Polyhydroxyalkanoates (PHAs) Using Biomass-Based Growth Substrates. <i>Green Energy and Technology</i> , 2020, , 245-259.	0.6	0