

Rahul Kumar Maurya

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,639
citations

430874

18
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen stress triggered biochemical and morphological changes in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2014, 156, 146-154.	9.6	363
2	Salinity induced oxidative stress enhanced biofuel production potential of microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 189, 341-348.	9.6	264
3	Biofuel potential of the newly isolated microalgae <i>Acutodesmus dimorphus</i> under temperature induced oxidative stress conditions. <i>Bioresource Technology</i> , 2015, 180, 162-171.	9.6	132
4	Bicarbonate supplementation enhanced biofuel production potential as well as nutritional stress mitigation in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 193, 315-323.	9.6	96
5	Green synthesis, characterization and antioxidant potential of silver nanoparticles biosynthesized from de-oiled biomass of thermotolerant oleaginous microalgae <i>Acutodesmus dimorphus</i> . <i>RSC Advances</i> , 2016, 6, 72269-72274.	3.6	81
6	Applications of de-oiled microalgal biomass towards development of sustainable biorefinery. <i>Bioresource Technology</i> , 2016, 214, 787-796.	9.6	77
7	Effect of light quality on the C-phycoerythrin production in marine cyanobacteria <i>Pseudanabaena</i> sp. isolated from Gujarat coast, India. <i>Protein Expression and Purification</i> , 2012, 81, 5-10.	1.3	70
8	Selective carotenoid accumulation by varying nutrient media and salinity in <i>Synechocystis</i> sp. CCNM 2501. <i>Bioresource Technology</i> , 2015, 197, 363-368.	9.6	67
9	Microalgal carotenoids: Potential nutraceutical compounds with chemotaxonomic importance. <i>Algal Research</i> , 2016, 15, 24-31.	4.6	66
10	Biosorption of Methylene Blue by De-Oiled Algal Biomass: Equilibrium, Kinetics and Artificial Neural Network Modelling. <i>PLoS ONE</i> , 2014, 9, e109545.	2.5	60
11	Comparative evaluation of chemical and enzymatic saccharification of mixotrophically grown de-oiled microalgal biomass for reducing sugar production. <i>Bioresource Technology</i> , 2016, 204, 9-16.	9.6	53
12	Lipid Extracted Microalgal Biomass Residue as a Fertilizer Substitute for <i>Zea mays</i> L.. <i>Frontiers in Plant Science</i> , 2015, 6, 1266.	3.6	49
13	Non-isothermal pyrolysis of de-oiled microalgal biomass: Kinetics and evolved gas analysis. <i>Bioresource Technology</i> , 2016, 221, 251-261.	9.6	45
14	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer. <i>Bioresource Technology</i> , 2016, 207, 197-204.	9.6	36
15	Antioxidant, Anti-Nephrolithe Activities and in Vitro Digestibility Studies of Three Different Cyanobacterial Pigment Extracts. <i>Marine Drugs</i> , 2015, 13, 5384-5401.	4.6	31
16	Solar driven mass cultivation and the extraction of lipids from <i>Chlorella variabilis</i> : A case study. <i>Algal Research</i> , 2016, 14, 137-142.	4.6	30
17	Advances in microalgal research for valorization of industrial wastewater. <i>Bioresource Technology</i> , 2022, 343, 126128.	9.6	28
18	Cyanobacterial Pigments as Natural Anti-Hyperglycemic Agents: An In vitro Study. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	27

#	ARTICLE	IF	CITATIONS
19	Growth medium standardization and thermotolerance study of the freshwater microalga <i>Acutodesmus dimorphus</i> a potential strain for biofuel production. <i>Journal of Applied Phycology</i> , 2016, 28, 2687-2696.	2.8	18
20	Recent Advances and Future Prospective of Biogas Production. , 2019, , 159-178.		14
21	Physiological responses of the green microalga <i>Acutodesmus dimorphus</i> to temperature induced oxidative stress conditions. <i>Physiologia Plantarum</i> , 2020, 170, 462-473.	5.2	14
22	Microalgal Rainbow Colours for Nutraceutical and Pharmaceutical Applications. , 2015, , 777-791.		10
23	Draft Genome Sequence of <i>Halomonas hydrothermalis</i> MTCC 5445, Isolated from the West Coast of India. <i>Genome Announcements</i> , 2015, 3, .	0.8	8