

# Rameshprabu Ramaraj

## List of Publications by Year in descending order

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86  
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304743  
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times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of silver nanoparticles using marine macroalgae <i>Padina</i> sp. and its antibacterial activity towards pathogenic bacteria. Beni-Suef University Journal of Basic and Applied Sciences, 2020, 9, .	2.0	155
2	Fermentation of pineapple fruit peel wastes for bioethanol production. Biomass Conversion and Biorefinery, 2019, 9, 761-765.	4.6	81
3	The optimization of oil extraction from macroalgae, <i>Rhizoclonium</i> sp. by chemical methods for efficient conversion into biodiesel. Fuel, 2020, 274, 117841.	6.4	78
4	Bioethanol production from sunflower stalk: application of chemical and biological pretreatments by response surface methodology (RSM). Biomass Conversion and Biorefinery, 2021, 11, 1759-1773.	4.6	75
5	Bioethanol production from the comparison between optimization of sorghum stalk and sugarcane leaf for sugar production by chemical pretreatment and enzymatic degradation. Fuel, 2020, 278, 118262.	6.4	59
6	Impact and significance of alkaline-oxidant pretreatment on the enzymatic digestibility of <i>Sphenoclea zeylanica</i> for bioethanol production. Bioresource Technology, 2018, 247, 125-130.	9.6	55
7	The potential of carbon dioxide capture and sequestration with algae. Ecological Engineering, 2017, 98, 17-23.	3.6	54
8	Microalgae cultivation using palm oil mill effluent as growth medium for lipid production with the effect of CO <sub>2</sub> supply and light intensity. Biomass Conversion and Biorefinery, 2021, 11, 1555-1563.	4.6	51
9	The immobilization of yeast for fermentation of macroalgae <i>Rhizoclonium</i> sp. for efficient conversion into bioethanol. Biomass Conversion and Biorefinery, 2021, 11, 827-835.	4.6	43
10	Carbon dioxide fixation of freshwater microalgae growth on natural water medium. Ecological Engineering, 2015, 75, 86-92.	3.6	40
11	Potential development of compressed bio-methane gas production from pig farms and elephant grass silage for transportation in Thailand. Bioresource Technology, 2014, 155, 438-441.	9.6	38
12	Freshwater microalgae niche of air carbon dioxide mitigation. Ecological Engineering, 2014, 68, 47-52.	3.6	35
13	Sustainability assessment of biogas production from buffalo grass and dung: biogas purification and bio-fertilizer. 3 Biotech, 2018, 8, 151.	2.2	35
14	Optimization of pretreatment condition for ethanol production from <i>Cyperus difformis</i> by response surface methodology. 3 Biotech, 2019, 9, 218.	2.2	35
15	Growth condition study of algae function in ecosystem for CO <sub>2</sub> bio-fixation. Journal of Photochemistry and Photobiology B: Biology, 2012, 107, 27-34.	3.8	34
16	Microalgae cultivation in wastewater effluent from tilapia culture pond for enhanced bioethanol production. Water Science and Technology, 2021, 84, 2686-2694.	2.5	33
17	Sustainability assessment of water hyacinth with swine dung for biogas production, methane enhancement, and biofertilizer. Biomass Conversion and Biorefinery, 2021, 11, 849-860.	4.6	32
18	Biotechnological application of sustainable biogas production through dry anaerobic digestion of Napier grass. 3 Biotech, 2017, 7, 47.	2.2	28

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19	Environmental management and valorization of cultivated tobacco stalks by combined pretreatment for potential bioethanol production. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	27
20	Raffinose family oligosaccharides in seed of <i>Glycine max</i> cv. Chiang Mai60 and potential source of prebiotic substances. International Journal of Food Science and Technology, 2015, 50, 1750-1756.	2.7	26
21	Impact and significance of pretreatment on the fermentable sugar production from low-grade longan fruit wastes for bioethanol production. Biomass Conversion and Biorefinery, 2022, 12, 1605-1617.	4.6	26
22	Biohydrogen production using algae: Potentiality, economics and challenges. Bioresource Technology, 2022, 360, 127514.	9.6	26
23	Potential improvement of biogas production from fallen teak leaves with co-digestion of microalgae. 3 Biotech, 2018, 8, 123.	2.2	25
24	Methane productivity evaluation of an invasive wetland plant, common reed. Biomass Conversion and Biorefinery, 2020, 10, 689-695.	4.6	24
25	Statistical optimization of lipid production by the diatom <i>Gyrodinium aureolum</i> sp. grown in industrial wastewater. Journal of Applied Phycology, 2020, 32, 375-387.	2.8	24
26	Chronic ecotoxicology and statistical investigation of ciprofloxacin and ofloxacin to <i>Daphnia magna</i> under extended long-term exposure. Environmental Pollution, 2021, 291, 118095.	7.5	24
27	Enhancement of hydrolysis with <i>Trichoderma harzianum</i> for bioethanol production of sonicated pineapple fruit peel. Fuel, 2020, 279, 118437.	6.4	23
28	An exploration of the relationships between microalgae biomass growth and related environmental variables. Journal of Photochemistry and Photobiology B: Biology, 2014, 135, 44-47.	3.8	22
29	Carbon dioxide bio-fixation by algae of high rate pond on natural water medium. Ecological Engineering, 2016, 92, 106-110.	3.6	22
30	Exploration of bioactive compounds and antibacterial activity of marine blue-green microalgae ( <i>Oscillatoria</i> sp.) isolated from coastal region of west Malaysia. SN Applied Sciences, 2020, 2, 1.	2.9	22
31	Cellulosic-derived bioethanol from <i>Limncharis flava</i> utilizing alkaline pretreatment. Biomass Conversion and Biorefinery, 2022, 12, 1737-1743.	4.6	22
32	Biomass generation and biodiesel production from macroalgae grown in the irrigation canal wastewater. Water Science and Technology, 2021, 84, 2695-2702.	2.5	22
33	Hydrothermal pretreatment and acid hydrolysis of coconut pulp residue for fermentable sugar production. Food and Bioproducts Processing, 2020, 122, 31-40.	3.6	21
34	Comparative analysis of fresh and dry free-floating aquatic plant <i>Pistia stratiotes</i> via chemical pretreatment for second-generation (2G) bioethanol production. Bioresource Technology Reports, 2021, 14, 100651.	2.7	21
35	Bioethanol production from corn stalk juice using <i>Saccharomyces cerevisiae</i> TISTR 5020. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1615-1621.	2.3	20
36	Sustainability and application of corncob-derived biochar for removal of fluoroquinolones. Biomass Conversion and Biorefinery, 2022, 12, 913-923.	4.6	20

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37	Liquid hot water extraction as a chemical-free pretreatment approach for biobutanol production from <i>Cassia fistula</i> pods. <i>Fuel</i> , 2020, 279, 118393.	6.4	18
38	Advancement of fermentable sugars from fresh elephant ear plant weed for efficient bioethanol production. <i>Environment, Development and Sustainability</i> , 2022, 24, 7377-7387.	5.0	18
39	Carbon sequestration by alga ecosystems. <i>Ecological Engineering</i> , 2015, 84, 386-389.	3.6	17
40	Optimization of combined pre-treatments on sugarcane leaves for bioethanol production. <i>Maejo International Journal of Energy and Environmental Communication</i> , 2021, 1, 30-39.	0.6	16
41	Biomass of algae growth on natural water medium. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 124-128.	3.8	15
42	Effects of substrate concentration and hydraulic retention time on hydrogen production from common reed by enriched mixed culture in continuous anaerobic bioreactor. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14036-14044.	7.1	15
43	A biorefinery approach for the production of bioethanol from alkaline-pretreated, enzymatically hydrolyzed <i>Nicotiana tabacum</i> stalks as feedstock for the bio-based industry. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 891-899.	4.6	14
44	Potential evaluation of biogas production through the exploitation of naturally growing freshwater macroalgae <i>Spirogyra varians</i> . <i>Environment, Development and Sustainability</i> , 0, , .	5.0	13
45	Simultaneous carbon dioxide reduction and methane generation in biogas for rural household use via anaerobic digestion of wetland grass with cow dung. <i>Fuel</i> , 2022, 317, 123487.	6.4	13
46	Bioethanol production from coconut pulp residue using hydrothermal and postalkaline pretreatment. <i>International Journal of Energy Research</i> , 2021, 45, 8140-8150.	4.5	11
47	Fabrication and performance evaluation of dye-sensitized solar cell integrated with natural dye from <i>Strobilanthes cusia</i> under different counter-electrode materials. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 1073-1083.	3.1	11
48	A Method of Short-Circuiting Comparison. <i>Water Resources Management</i> , 2012, 26, 2689-2702.	3.9	10
49	Stimulation of natural enzymes for germination of mimosa weed seeds to enhanced bioethanol production. <i>3 Biotech</i> , 2021, 11, 307.	2.2	10
50	Anthocyanin pigment-based dye-sensitized solar cells with improved pH-dependent photovoltaic properties. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101971.	2.7	10
51	Comparative studies of the longan leaf pigment extraction as a photosensitizer for dye-sensitized solar cells's purpose. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1619-1626.	4.6	9
52	Innovative biorefinery concept for biogas-based digestate with rice bran protein-rich feed ingredient for tilapia production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1639-1645.	4.6	9
53	Appropriateness of waste jasmine flower for bioethanol conversion with enzymatic hydrolysis: sustainable development on green fuel production. <i>3 Biotech</i> , 2021, 11, 216.	2.2	9
54	Improvement of fermentable sugar for enhanced bioethanol production from <i>Amorphophallus</i> spp. tuber obtained from northern Thailand. <i>Environment, Development and Sustainability</i> , 2022, 24, 8351-8362.	5.0	9

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55	Advancements of fermentable sugar yield by pretreatment and steam explosion during enzymatic saccharification of <i>Amorphophallus</i> sp. starchy tuber for bioethanol production. <i>Fuel</i> , 2022, 323, 124406.	6.4	9
56	Physical pretreatment and algal enzyme hydrolysis of dried low-grade and waste longan fruits to enhance its fermentable sugar production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1669-1677.	4.6	8
57	Development of sustainable approaches for converting the agro-weeds <i>Ludwigia hyssopifolia</i> to biogas production. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	4.6	8
58	Sustainable valorization of water primrose with cow dung for enhanced biogas production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1647-1655.	4.6	8
59	Sustainable development of feed formulation for farmed tilapia enriched with fermented pig manure to reduce production costs. <i>Science of the Total Environment</i> , 2021, 801, 149614.	8.0	8
60	Adsorption performances of corn cob-derived biochar in saturated and semi-saturated vertical-flow constructed wetlands for nutrient removal under erratic oxygen supply. <i>Environmental Chemistry and Ecotoxicology</i> , 2022, 4, 155-163.	9.1	8
61	Grass Silage for Biogas Production. , 0, , .		7
62	Modeling and implementing the use of aeration to increase water temperature and dissolved oxygen in greenhouse aquaculture cages. <i>Aquacultural Engineering</i> , 2020, 91, 102119.	3.1	7
63	Natural dyes extracted from <i>Inthanin bok</i> leaves as light-harvesting units for dye-sensitized solar cells. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 391-403.	3.1	7
64	Valorization and biorefinery of kaffir lime peels waste for antifungal activity and sustainable control of mango fruit anthracnose. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10735-10749.	4.6	7
65	<i>Spirogyra</i> cultured in fishpond wastewater for biomass generation. <i>Maejo International Journal of Energy and Environmental Communication</i> , 2021, 2, 58-65.	0.6	7
66	Physiological response of <i>Simocephalus vetulus</i> to five antibiotics and their mixture under 48-h acute exposure. <i>Science of the Total Environment</i> , 2022, 829, 154585.	8.0	7
67	Effects of Co-substrate Concentrations on the Anaerobic Co-Digestion of Common Reed and Cow Dung. <i>AJARCODE   Asian Journal of Applied Research for Community Development and Empowerment</i> , 2019, 3, 28-32.	0.1	5
68	Enhanced fermentable sugar production from low grade and damaged longan fruits using cellulase with algal enzymes for bioethanol production. <i>Emergent Life Sciences Research</i> , 2020, 06, 26-31.	0.1	5
69	EXTRACTION OF ANTHOCYANIN PIGMENTS FROM MALABAR SPINACH FRUITS AS A POTENTIAL PHOTSENSITIZER FOR DYE-SENSITIZED SOLAR CELL. , 2020, , 5-9.		5
70	POTENTIAL EVALUATION OF YELLOW COTTON ( <i>COCHLOSPERMUM REGIUM</i> ) PIGMENTS FOR DYE SENSITIZED SOLAR CELLS APPLICATION. , 2020, , 16-21.		5
71	Effect of hot water extraction process on schizophyllan from split gill mushroom. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1017-1026.	4.6	5
72	The effect of various pretreatments conditions on the distribution of fermentable sugar from dried elephant ear plant. <i>Fuel</i> , 2022, 324, 124624.	6.4	5

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73	Assessment of the effects of anaerobic co-digestion of water primrose and cow dung with swine manure on biogas yield and biodegradability. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	4
74	Ethanol production from corn stalk juice by <i>Saccharomyces cerevisiae</i> immobilized yeast using a green method. Biomass Conversion and Biorefinery, 0, , 1.	4.6	4
75	Effect of biogas sludge meal supplement in feed on growth performance molting period and production cost of giant freshwater prawn culture. Chemosphere, 2022, 301, 134638.	8.2	4
76	Optimization of ethanol precipitation of schizophyllan from <i>Schizophyllum commune</i> by applied statistical modelling. Biomass Conversion and Biorefinery, 2024, 14, 2707-2719.	4.6	3
77	Muntingia calabura fruits as sources of bioactive compounds and fermentative ethanol production. Biomass Conversion and Biorefinery, 2024, 14, 4703-4714.	4.6	3
78	Role of sulphide reduction by magnesium hydroxide on the sediment of the eutrophic closed bay. Aquaculture Research, 2018, 49, 462-470.	1.8	2
79	Antimicrobial Study of Algal Enzymes Extracted from Microalgae by Ultrasonication. SSRN Electronic Journal, 0, , .	0.4	2
80	THE EFFECTS OF MAGNESIUM HYDROXIDE FOR THE MICROBIAL COMMUNITY IN THE SEDIMENTS OF A EUTROPHIC CLOSED BAY. International Journal of GEOMATE, 2018, 14, .	0.3	2
81	Effect of blue light intensity and photoperiods on the growth of diatom <i>Thalassiosira pseudonana</i> . Bioresource Technology Reports, 2022, 19, 101152.	2.7	2
82	A method of short-circuiting comparison with mixing indexes. Journal of Water Supply: Research and Technology - AQUA, 2011, 60, 502-510.	1.4	1
83	BIOMETHANE POTENTIAL OF INVASIVE AQUATIC WEED WATER PRIMROSE. , 2021, , 1-5.		1
84	THERMOCHEMICAL PRETREATMENT METHOD FOLLOWED BY ENZYME HYDROLYSIS OF TOBACCO STALKS FOR BIOETHANOL PRODUCTION. , 2021, , 6-10.		0
85	IMPROVEMENT OF BIOETHANOL PRODUCTION FROM LOW GRADE AND DAMAGED LONGAN FRUITS WITH THERMAL PRETREATMENT AND DIFFERENT TYPES OF THE ENZYMATIC HYDROLYSIS. , 2020, , 6-11.		0
86	Enhancement of Fermentable Sugars Obtained from&lt;i>Amorphophallus&/i> Spp. Tuber for Bioethanol Production by Optimizing Temperature and Pretreatment Concentration. Materials Science Forum, 0, 1056, 185-190.	0.3	0