

# Rameshprabu Ramaraj

## List of Publications by Year in descending order

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86  
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1,754  
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#	ARTICLE	IF	CITATIONS
1	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
2	Optimization of ethanol precipitation of schizophyllan from <i>Schizophyllum commune</i> by applied statistical modelling. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2707-2719.	4.6	3
3	<i>Muntingia calabura</i> fruits as sources of bioactive compounds and fermentative ethanol production. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4703-4714.	4.6	3
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Impact and significance of pretreatment on the fermentable sugar production from low-grade longan fruit wastes for bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1605-1617.	4.6	26
12	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
13	Cellulosic-derived bioethanol from <i>Limnocharis flava</i> utilizing alkaline pretreatment. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1737-1743.	4.6	22
14	Sustainability and application of corncob-derived biochar for removal of fluoroquinolones. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 913-923.	4.6	20
15	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
16	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
17	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
18	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

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19	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
20	Effect of biogas sludge meal supplement in feed on growth performance molting period and production cost of giant freshwater prawn culture. <i>Chemosphere</i> , 2022, 301, 134638.	8.2	4
21	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
22	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
23	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
24	Biohydrogen production using algae: Potentiality, economics and challenges. <i>Bioresource Technology</i> , 2022, 360, 127514.	9.6	26
25	Effect of blue light intensity and photoperiods on the growth of diatom <i>Thalassiosira pseudonana</i> . <i>Bioresource Technology Reports</i> , 2022, 19, 101152.	2.7	2
26	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. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1555-1563.	4.6	51
27	Bioethanol production from sunflower stalk: application of chemical and biological pretreatments by response surface methodology (RSM). <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1759-1773.	4.6	75
28	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
29	The immobilization of yeast for fermentation of macroalgae <i>Rhizoclonium</i> sp. for efficient conversion into bioethanol. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 827-835.	4.6	43
30	Sustainability assessment of water hyacinth with swine dung for biogas production, methane enhancement, and biofertilizer. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 849-860.	4.6	32
31	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
32	BIOMETHANE POTENTIAL OF INVASIVE AQUATIC WEED WATER PRIMROSE. , 2021, , 1-5.		1
33	THERMOCHEMICAL PRETREATMENT METHOD FOLLOWED BY ENZYME HYDROLYSIS OF TOBACCO STALKS FOR BIOETHANOL PRODUCTION. , 2021, , 6-10.		0
34	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
35	Biomass generation and biodiesel production from macroalgae grown in the irrigation canal wastewater. <i>Water Science and Technology</i> , 2021, 84, 2695-2702.	2.5	22
36	Stimulation of natural enzymes for germination of mimosa weed seeds to enhanced bioethanol production. <i>3 Biotech</i> , 2021, 11, 307.	2.2	10

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37	Microalgae cultivation in wastewater effluent from tilapia culture pond for enhanced bioethanol production. <i>Water Science and Technology</i> , 2021, 84, 2686-2694.	2.5	33
38	Comparative analysis of fresh and dry free-floating aquatic plant <i>Pistia stratiotes</i> via chemical pretreatment for second-generation (2G) bioethanol production. <i>Bioresource Technology Reports</i> , 2021, 14, 100651.	2.7	21
39	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
40	Chronic ecotoxicology and statistical investigation of ciprofloxacin and ofloxacin to <i>Daphnia magna</i> under extendedly long-term exposure. <i>Environmental Pollution</i> , 2021, 291, 118095.	7.5	24
41	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
42	<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
43	Methane productivity evaluation of an invasive wetland plant, common reed. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 689-695.	4.6	24
44	Statistical optimization of lipid production by the diatom <i>Gyrosigma</i> sp. grown in industrial wastewater. <i>Journal of Applied Phycology</i> , 2020, 32, 375-387.	2.8	24
45	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
46	Exploration of bioactive compounds and antibacterial activity of marine blue-green microalgae ( <i>Oscillatoria</i> sp.) isolated from coastal region of west Malaysia. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	22
47	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
48	Assessment of the effects of anaerobic co-digestion of water primrose and cow dung with swine manure on biogas yield and biodegradability. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	4.6	4
49	Environmental management and valorization of cultivated tobacco stalks by combined pretreatment for potential bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	4.6	27
50	Hydrothermal pretreatment and acid hydrolysis of coconut pulp residue for fermentable sugar production. <i>Food and Bioproducts Processing</i> , 2020, 122, 31-40.	3.6	21
51	Bioethanol production from the comparison between optimization of sorghum stalk and sugarcane leaf for sugar production by chemical pretreatment and enzymatic degradation. <i>Fuel</i> , 2020, 278, 118262.	6.4	59
52	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
53	Enhancement of hydrolysis with <i>Trichoderma harzianum</i> for bioethanol production of sonicated pineapple fruit peel. <i>Fuel</i> , 2020, 279, 118437.	6.4	23
54	The optimization of oil extraction from macroalgae, <i>Rhizoclonium</i> sp. by chemical methods for efficient conversion into biodiesel. <i>Fuel</i> , 2020, 274, 117841.	6.4	78

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55	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
56	Enhanced fermentable sugar production from low grade and damaged longan fruits using cellulase with algal enzymes for bioethanol production. Emergent Life Sciences Research, 2020, 06, 26-31.	0.1	5
57	EXTRACTION OF ANTHOCYANIN PIGMENTS FROM MALABAR SPINACH FRUITS AS A POTENTIAL PHOTOSENSITIZER FOR DYE-SENSITIZED SOLAR CELL. , 2020, , 5-9.		5
58	POTENTIAL EVALUATION OF YELLOW COTTON ( <i>COCHLOSPERMUM REGIUM</i> ) PIGMENTS FOR DYE SENSITIZED SOLAR CELLS APPLICATION. , 2020, , 16-21.		5
59	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
60	Fermentation of pineapple fruit peel wastes for bioethanol production. Biomass Conversion and Biorefinery, 2019, 9, 761-765.	4.6	81
61	Optimization of pretreatment condition for ethanol production from <i>Cyperus difformis</i> by response surface methodology. 3 Biotech, 2019, 9, 218.	2.2	35
62	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
63	Effects of Co-substrate Concentrations on the Anaerobic Co-Digestion of Common Reed and Cow Dung. AJARCDE   Asian Journal of Applied Research for Community Development and Empowerment, 2019, 3, 28-32.	0.1	5
64	Sustainability assessment of biogas production from buffalo grass and dung: biogas purification and bio-fertilizer. 3 Biotech, 2018, 8, 151.	2.2	35
65	Potential improvement of biogas production from fallen teak leaves with co-digestion of microalgae. 3 Biotech, 2018, 8, 123.	2.2	25
66	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
67	Role of sulphide reduction by magnesium hydroxide on the sediment of the eutrophic closed bay. Aquaculture Research, 2018, 49, 462-470.	1.8	2
68	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
69	Biotechnological application of sustainable biogas production through dry anaerobic digestion of Napier grass. 3 Biotech, 2017, 7, 47.	2.2	28
70	The potential of carbon dioxide capture and sequestration with algae. Ecological Engineering, 2017, 98, 17-23.	3.6	54
71	Carbon dioxide bio-fixation by algae of high rate pond on natural water medium. Ecological Engineering, 2016, 92, 106-110.	3.6	22
72	Carbon sequestration by alga ecosystems. Ecological Engineering, 2015, 84, 386-389.	3.6	17

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73	Raffinose family oligosaccharides in seed of <i>Glycine max</i> cv. Chiang Mai60 and potential source of prebiotic substances. <i>International Journal of Food Science and Technology</i> , 2015, 50, 1750-1756.	2.7	26
74	Biomass of algae growth on natural water medium. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 124-128.	3.8	15
75	Carbon dioxide fixation of freshwater microalgae growth on natural water medium. <i>Ecological Engineering</i> , 2015, 75, 86-92.	3.6	40
76	Potential development of compressed bio-methane gas production from pig farms and elephant grass silage for transportation in Thailand. <i>Bioresource Technology</i> , 2014, 155, 438-441.	9.6	38
77	An exploration of the relationships between microalgae biomass growth and related environmental variables. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 135, 44-47.	3.8	22
78	Freshwater microalgae niche of air carbon dioxide mitigation. <i>Ecological Engineering</i> , 2014, 68, 47-52.	3.6	35
79	A Method of Short-Circuiting Comparison. <i>Water Resources Management</i> , 2012, 26, 2689-2702.	3.9	10
80	Growth condition study of algae function in ecosystem for CO <sub>2</sub> bio-fixation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 107, 27-34.	3.8	34
81	A method of short-circuiting comparison with mixing indexes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2011, 60, 502-510.	1.4	1
82	Grass Silage for Biogas Production. , 0, , .		7
83	Antimicrobial Study of Algal Enzymes Extracted from Microalgae by Ultrasonication. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
84	Ethanol production from corn stalk juice by <i>Saccharomyces cerevisiae</i> immobilized yeast using a green method. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	4
85	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
86	Enhancement of Fermentable Sugars Obtained from <i>Amorphophallus</i> Spp. Tuber for Bioethanol Production by Optimizing Temperature and Pretreatment Concentration. <i>Materials Science Forum</i> , 0, 1056, 185-190.	0.3	0