

# S Venkata Mohan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

388  
papers

17,421  
citations

72  
h-index

109  
g-index

397  
ext. papers

19,761  
ext. citations

8.9  
avg, IF

7.63  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 388 | Micro/nano-plastics occurrence, identification, risk analysis and mitigation: challenges and perspectives.. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2022</b> , 21, 1-35  | 13.9 | 5         |
| 387 | Bio-waste to hydrogen production technologies <b>2022</b> , 389-407   |      | 0         |
| 386 | Mixotrophic Cultivation of Monoraphidium sp. in Dairy wastewater using Flat-Panel Photobioreactor and Photosynthetic Performance.. <i>Bioresource Technology</i> , <b>2022</b> , 348, 126671  | 11   | 2         |
| 385 | Advances in microalgal research for valorization of industrial wastewater. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126128  | 11   | 7         |
| 384 | Green hydrogen based succinic acid and biopolymer production in a biorefinery: Adding value to CO <sub>2</sub> from acidogenic fermentation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132163                                  | 14.7 | 3         |
| 383 | Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150312                                      | 10.2 | 4         |
| 382 | Progress and Perspectives of Nanomaterials for Bioenergy Production. <i>Clean Energy Production Technologies</i> , <b>2022</b> , 271-285  | 0.8  |           |
| 381 | Polyhydroxybutyrate production by Chlorella Sorokiniana SVMIICT8 under Nutrient-deprived Mixotrophy.. <i>Bioresource Technology</i> , <b>2022</b> , 127135  | 11   | 0         |
| 380 | Design and evaluation of Gas fermentation system for CO reduction to C <sub>2</sub> and C <sub>4</sub> fatty acids: Metabolic regulation with pressure, pH and reaction time.. <i>Bioresource Technology</i> , <b>2022</b> , 126937           | 11   | 1         |
| 379 | Bioelectrocatalytic Reduction of Tellurium Oxyanions toward Their Cathodic Recovery: Concentration Dependence and Anodic Electrogenic Activity. <i>ACS ES&amp;T Water</i> , <b>2022</b> , 2, 40-51  |      | 1         |
| 378 | Synergistic Impact of Gas-Looping, Biocatalyst and Co-substrate on Acidogenic Distributed Metabolism of Spent Wash: Volatile Fatty Acid Enrichment and in situ Biogas Upgradation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136372 | 14.7 | 0         |
| 377 | Dual-stage biorefinery to convert spentwash hydrolysate into oleochemicals using <i>Trichosporon cutaneum</i> and <i>Yarrowia lipolytica</i> .. <i>Bioresource Technology</i> , <b>2022</b> , 127146  | 11   | 0         |
| 376 | Synergy of selective buffering, intermittent pH control and bioreactor configuration on acidogenic volatile fatty acid production from food waste.. <i>Chemosphere</i> , <b>2022</b> , 134755   | 8.4  | 0         |
| 375 | Magnetite-Bacillus subtilis Synergy on the Metabolic Selection of Products in Electrofermentation System.. <i>Bioresource Technology</i> , <b>2022</b> , 127267   | 11   | 0         |
| 374 | Multi-product Biorefinery with Sugarcane Bagasse: Process Development for Nanocellulose, Lignin and Biohydrogen Production and Lifecycle Analysis. <i>Chemical Engineering Journal</i> , <b>2022</b> , 137233                                 | 14.7 | 1         |
| 373 | Fungal Biorefinery for Sustainable Resource Recovery from Waste. <i>Bioresource Technology</i> , <b>2021</b> , 126443   | 11   | 3         |
| 372 | Phycoremediation potential of <i>Tetrademus</i> sp.SVMIICT4 in treating dairy wastewater using Flat-Panel Photobioreactor. <i>Bioresource Technology</i> , <b>2021</b> , 345, 126446  | 11   | 2         |

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| 371 | Duckweed Biorefinery - Potential to Remediate Dairy Wastewater in Integration with Microbial Protein Production. <i>Bioresource Technology</i> , <b>2021</b> , 126499  | 11   | 0  |
| 370 | Low carbon biodegradable polymer matrices for sustainable future. <i>Composites Part C: Open Access</i> , <b>2021</b> , 4, 100111  | 1.6  | 10 |
| 369 | Hydrothermal Liquefaction of Food Waste: A Potential Resource Recovery Strategy <b>2021</b> , 21-46  |      | 0  |
| 368 | Emerging trends in microbial fuel cell diversification-Critical analysis. <i>Bioresource Technology</i> , <b>2021</b> , 326, 124676  | 11   | 12 |
| 367 | Microalgal Cell Biofactory-Therapeutic, Nutraceutical and Functional Food Applications. <i>Plants</i> , <b>2021</b> , 10,  | 4.5  | 21 |
| 366 | Symbiotic integration of bioprocesses to design a self-sustainable life supporting ecosystem in a circular economy framework. <i>Bioresource Technology</i> , <b>2021</b> , 326, 124712                          | 11   | 16 |
| 365 | Augmenting succinic acid production by bioelectrochemical synthesis: Influence of applied potential and CO <sub>2</sub> availability. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128377            | 14.7 | 7  |
| 364 | Surveillance of SARS-CoV-2 spread using wastewater-based epidemiology: Comprehensive study. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144704  | 10.2 | 31 |
| 363 | Green hythane production from food waste: Integration of dark-fermentation and methanogenic process towards biogas up-gradation. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 18832-18843 | 6.7  | 15 |
| 362 | Functionalized conductive activated carbon-polyaniline composite anode for augmented energy recovery in microbial fuel cells. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124340                          | 11   | 8  |
| 361 | Renewable hydrogen production by dark-fermentation: Current status, challenges and perspectives. <i>Bioresource Technology</i> , <b>2021</b> , 321, 124354   | 11   | 42 |
| 360 | Electrotrophy of biocathodes regulates microbial-electro-catalyzation of CO to fatty acids in single chambered system. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124272                                 | 11   | 10 |
| 359 | Impregnated thermoset pre-pressurized carbon composite electrodes in microbial fuel cell: Compositional functionalities influence on ORR with reference to graphite. <i>Fuel</i> , <b>2021</b> , 285, 119273     | 7.1  | 4  |
| 358 | Low carbon hydrogen production from a waste-based biorefinery system and environmental sustainability assessment. <i>Green Chemistry</i> , <b>2021</b> , 23, 561-574   | 10   | 41 |
| 357 | SARS-CoV-2 in environmental perspective: Occurrence, persistence, surveillance, inactivation and challenges. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126893                                     | 14.7 | 64 |
| 356 | A critical view on the environmental sustainability of biorefinery systems. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 27, 100392   | 7.9  | 24 |
| 355 | Bioconversion Technologies: Hydrolytic Enzyme Treatment of Food Waste <b>2021</b> , 257-277  |      |    |
| 354 | Defining the methodological approach for wastewater-based epidemiological studies-Surveillance of SARS-CoV-2. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 23, 101696                          | 7    | 5  |

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| 353 | Polyhydroxybutyrate production from dark-fermentative effluent and composite grafting with bagasse derived $\beta$ -cellulose in a biorefinery approach. <i>Chemosphere</i> , <b>2021</b> , 279, 130563          | 8.4  | 5  |
| 352 | Bio-electrocatalytic remediation of hydrocarbons contaminated soil with integrated natural attenuation and chemical oxidant. <i>Chemosphere</i> , <b>2021</b> , 280, 130649                                      | 8.4  | 10 |
| 351 | Selective enrichment of mixed consortia towards enhanced 1,3-Propanediol production from glycerol. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101337                             | 4.7  | 1  |
| 350 | Green Hydrogen-Compressed natural gas (bio-H-CNG) production from food waste: Organic load influence on hydrogen and methane fusion. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125643                   | 11   | 4  |
| 349 | Photosynthetic transients in <i>Chlorella sorokiniana</i> during phycoremediation of dairy wastewater under distinct light intensities. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125593                | 11   | 7  |
| 348 | Refining of vegetable waste to renewable sugars for ethanol production: Depolymerization and fermentation optimization. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125650                                | 11   | 8  |
| 347 | Lutein and $\beta$ -carotene biosynthesis in <i>Scenedesmus</i> sp. SVMIICT1 through differential light intensities. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125814                                   | 11   | 1  |
| 346 | Simultaneous production of green hydrogen and bioethanol from segregated sugarcane bagasse hydrolysate streams with circular biorefinery design. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130386 | 14.7 | 5  |
| 345 | Simultaneous biosynthesis of bacterial polyhydroxybutyrate (PHB) and extracellular polymeric substances (EPS): Process optimization and Scale-up. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125735      | 11   | 6  |
| 344 | Metabolic flux of <i>Bacillus subtilis</i> under poised potential in electrofermentation system: Gene expression vs product formation. <i>Bioresource Technology</i> , <b>2021</b> , 342, 125854                 | 11   | 4  |
| 343 | Draft genome analysis, poly-phasic study and lipid biosynthesis pathway of <i>Scenedesmus</i> sp. SVMIICT1. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125809  | 11   | 1  |
| 342 | Mixotrophic cultivation of isolated <i>Messastrum gracile</i> SVMIICT7: Photosynthetic response and product profiling. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125798                                 | 11   | 2  |
| 341 | Status of biogas production and biogas upgrading: A global scenario <b>2021</b> , 3-26   |      | 1  |
| 340 | Decentralized Urban Farming Through Keyhole Garden: a Case Study with Circular Economy and Regenerative Perspective. <i>Materials Circular Economy</i> , <b>2020</b> , 2, 1                                      | 4.3  | 4  |
| 339 | Salinity induced acidogenic fermentation of food waste regulates biohydrogen production and volatile fatty acids profile. <i>Fuel</i> , <b>2020</b> , 276, 117794  | 7.1  | 13 |
| 338 | Microbial Electro-Remediation (MER) of hazardous waste in aid of sustainable energy generation and resource recovery. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100997                  | 7    | 20 |
| 337 | Urban biocycles - Closing metabolic loops for resilient and regenerative ecosystem: A perspective. <i>Bioresource Technology</i> , <b>2020</b> , 306, 123098   | 11   | 27 |
| 336 | CO <sub>2</sub> fermentation to short chain fatty acids using selectively enriched chemolithoautotrophic acetogenic bacteria. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124759                    | 14.7 | 19 |

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| 335 | Obscure yet Promising Oleaginous Yeasts for Fuel and Chemical Production. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 873-887   | 15.1 | 25 |
| 334 | Synergy of anoxic microenvironment and facultative anaerobes on acidogenic metabolism in a self-induced electrofermentation system. <i>Bioresource Technology</i> , <b>2020</b> , 313, 123604  | 11   | 14 |
| 333 | Controlling Voltage Reversal in Microbial Fuel Cells. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 667-678   | 15.1 | 38 |
| 332 | Eco-Electrogenic Engineered Flow through Wetland System for Tertiary Treatment of Acidogenic Effluents from Biohydrogen Production. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , <b>2020</b> , 24, 04020020             | 2.3  | 6  |
| 331 | Anodic metabolic activity regulates the desalination efficiency in microbial catalysed electrochemical system. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123334   | 11   | 1  |
| 330 | Monitoring metabolic pathway alterations in <i>Escherichia coli</i> due to applied potentials in microbial electrochemical system. <i>Bioelectrochemistry</i> , <b>2020</b> , 134, 107530  | 5.6  | 9  |
| 329 | Sequential and consolidated bioprocessing of biogenic municipal solid waste: A strategic pairing of thermophilic anaerobe and mesophilic microaerobe for ethanol production. <i>Bioresource Technology</i> , <b>2020</b> , 308, 123260 | 11   | 11 |
| 328 | Self-induced bioelectro-potential influence on sulfate removal and desalination in microbial fuel cell. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123326  | 11   | 14 |
| 327 | Hydrothermal liquefaction of biogenic municipal solid waste under reduced H atmosphere in biorefinery format. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123369  | 11   | 22 |
| 326 | Cathodic selenium recovery in bioelectrochemical system: Regulatory influence on anodic electrogenic activity. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122843   | 12.8 | 11 |
| 325 | Deoiled algal biomass derived renewable sugars for bioethanol and biopolymer production in biorefinery framework. <i>Bioresource Technology</i> , <b>2020</b> , 296, 122315  | 11   | 32 |
| 324 | Electron-regulated flux towards biogas upgradation triggering catabolism for an augmented methanogenic activity. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 700-712  | 5.8  | 19 |
| 323 | Microcrystalline cellulose production from sugarcane bagasse: Sustainable process development and life cycle assessment. <i>Journal of Cleaner Production</i> , <b>2020</b> , 249, 119342  | 10.3 | 44 |
| 322 | Concomitant use of <i>Azolla</i> derived bioelectrode as anode and hydrolysate as substrate for microbial fuel cell and electro-fermentation applications. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135851         | 10.2 | 13 |
| 321 | Regulated surface potential impacts bioelectrogenic activity, interfacial electron transfer and microbial dynamics in microbial fuel cell. <i>Renewable Energy</i> , <b>2020</b> , 149, 424-434  | 8.1  | 22 |
| 320 | Small/Medium scale textile processing industries: case study, sustainable interventions and remediation. <i>Indian Chemical Engineer</i> , <b>2020</b> , 1-19  | 1    | 1  |
| 319 | Biobased Products and Life Cycle Assessment in the Context of Circular Economy and Sustainability. <i>Materials Circular Economy</i> , <b>2020</b> , 2, 1  | 4.3  | 34 |
| 318 | Algal biorefinery models with self-sustainable closed loop approach: Trends and prospective for blue-bioeconomy. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122128   | 11   | 69 |

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| 317 | Steering acidogenesis towards selective propionic acid production using co-factors and evaluating environmental sustainability. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122135          | 14.7 | 20 |
| 316 | Tunable production of succinic acid at elevated pressures of CO in a high pressure gas fermentation reactor. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123327                                   | 11   | 10 |
| 315 | Fixation of CO, electron donor and redox microenvironment regulate succinic acid production in <i>Citrobacter amalonaticus</i> . <i>Science of the Total Environment</i> , <b>2019</b> , 695, 133838     | 10.2 | 19 |
| 314 | Sustainable Hydrogen Production <b>2019</b> , 1-23   |      | 5  |
| 313 | Algal oils as biodiesel <b>2019</b> , 287-323  |      | 8  |
| 312 | Acidogenic Biohydrogen Production From Wastewater <b>2019</b> , 279-320  |      | 6  |
| 311 | Acidogenic Biohydrogen Production Integrated With Biorefinery Approach <b>2019</b> , 369-381   |      | 0  |
| 310 | Exploring chemically reduced graphene oxide electrode for power generation in microbial fuel cell. <i>Materials Science for Energy Technologies</i> , <b>2019</b> , 2, 600-606                           | 5.2  | 15 |
| 309 | Fabrication of three-dimensional graphene anode for augmenting performance in microbial fuel cells. <i>Carbon Resources Conversion</i> , <b>2019</b> , 2, 134-140  | 4.7  | 21 |
| 308 | Microbial electro-hydrolysis of sewage sludge for acidogenic production of biohydrogen and volatile fatty acids along with struvite. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 1264-1274  | 14.7 | 20 |
| 307 | Purification and Characterization of NDH-2 Protein and Elucidating Its Role in Extracellular Electron Transport and Bioelectrogenic Activity. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 880   | 5.7  | 15 |
| 306 | Graphene modified electrodes for bioelectricity generation in mediator-less microbial fuel cell. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 11604-11617                                     | 4.3  | 13 |
| 305 | Understanding the interdependence of operating parameters in microbial electrosynthesis: a numerical investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 10761-10772           | 3.6  | 16 |
| 304 | Valorization of paper and pulp waste: Opportunities and prospects of biorefinery <b>2019</b> , 623-656   |      | 3  |
| 303 | Valorization of sugarcane waste: Prospects of a biorefinery <b>2019</b> , 47-60  |      | 9  |
| 302 | Modified conductive polyaniline-carbon nanotube composite electrodes for bioelectricity generation and waste remediation. <i>Bioresource Technology</i> , <b>2019</b> , 284, 148-154                     | 11   | 50 |
| 301 | Microalgae-biorefinery with cascading resource recovery design associated to dairy wastewater treatment. <i>Bioresource Technology</i> , <b>2019</b> , 284, 424-429                                      | 11   | 81 |
| 300 | Non-lethal nitrate supplementation enhances photosystem II efficiency in mixotrophic microalgae towards the synthesis of proteins and lipids. <i>Bioresource Technology</i> , <b>2019</b> , 283, 373-377 | 11   | 13 |

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| 299 | Single pot bioprocessing for ethanol production from biogenic municipal solid waste. <i>Bioresource Technology</i> , <b>2019</b> , 283, 159-167   | 11   | 24 |
| 298 | Self-sustainable azolla-biorefinery platform for valorization of biobased products with circular-cascading design. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 1042-1053           | 14.7 | 25 |
| 297 | Efficient resource valorization by co-digestion of food and vegetable waste using three stage integrated bioprocess. <i>Bioresource Technology</i> , <b>2019</b> , 284, 373-380                 | 11   | 15 |
| 296 | Can circular bioeconomy be fueled by waste biorefineries □A closer look. <i>Bioresource Technology Reports</i> , <b>2019</b> , 7, 100277  | 4.1  | 90 |
| 295 | Tri-phasic engineered wetland system for effective treatment of azo dye-based wastewater. <i>Npj Clean Water</i> , <b>2019</b> , 2,   | 11.2 | 6  |
| 294 | Capacitive biocathodes driving electrotrophy towards enhanced CO reduction for microbial electrosynthesis of fatty acids. <i>Bioresource Technology</i> , <b>2019</b> , 294, 122181             | 11   | 13 |
| 293 | Progress in Development of Electrode Materials in Microbial Fuel Cells <b>2019</b> , 165-186  |      | 3  |
| 292 | Selective control of volatile fatty acids production from food waste by regulating biosystem buffering: A comprehensive study. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 787-801 | 14.7 | 38 |
| 291 | Fundamentals of Biophotovoltaics for Conversion of Solar Energy to Bioelectricity <b>2019</b> , 503-523   |      | 1  |
| 290 | Biofilms <b>2019</b> , 295-313  |      | 5  |
| 289 | Plant-Microbial Fuel Cell Technology <b>2019</b> , 549-564  |      | 7  |
| 288 | Electrofermentation <b>2019</b> , 723-737   |      | 5  |
| 287 | Regulating Bioelectrochemical CO2 Sequestration for Platform Chemicals Production <b>2019</b> , 797-824   |      | 1  |
| 286 | Bioelectrocatalyst in Microbial Electrochemical Systems and Extracellular Electron Transport <b>2019</b> , 117-141  |      | 1  |
| 285 | Graphene and Its Applications in Microbial Electrochemical Technology <b>2019</b> , 75-97   |      | 3  |
| 284 | Bioelectrochemical Energy Transitions Persuade Systemic Performance <b>2019</b> , 437-449   |      |    |
| 283 | Biosensing Applications of Microbial Fuel Cell: Approach Toward Miniaturization <b>2019</b> , 977-997   |      | 13 |
| 282 | Microbial Electrochemical Technology <b>2019</b> , 3-18   |      | 13 |

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| 281 | Acidogenic outlet from biohydrogen reactor as phosphate solubilizing agent for integrated organic farming. <i>Journal of Cleaner Production</i> , <b>2019</b> , 208, 490-498   | 10.3 | 12  |
| 280 | Spatial variation of electrode position in bioelectrochemical treatment system: Design consideration for azo dye remediation. <i>Bioresource Technology</i> , <b>2018</b> , 256, 374-383                                 | 11   | 13  |
| 279 | Stacking of microbial fuel cells with continuous mode operation for higher bioelectrogenic activity. <i>Bioresource Technology</i> , <b>2018</b> , 257, 210-216  | 11   | 20  |
| 278 | Effect of food to vegetable waste ratio on acidogenesis and methanogenesis during two-stage integration. <i>Bioresource Technology</i> , <b>2018</b> , 254, 256-263  | 11   | 20  |
| 277 | Microbial lipid production by <i>Cryptococcus curvatus</i> from vegetable waste hydrolysate. <i>Bioresource Technology</i> , <b>2018</b> , 254, 284-289  | 11   | 28  |
| 276 | Medium-Chain Fatty Acids (MCFA) Production Through Anaerobic Fermentation Using <i>Clostridium kluuyveri</i> : Effect of Ethanol and Acetate. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 185, 594-605 | 3.2  | 34  |
| 275 | Self-sustained photocatalytic power generation using eco-electrogenic engineered systems. <i>Bioresource Technology</i> , <b>2018</b> , 260, 23-29   | 11   | 4   |
| 274 | Applied resistance for power generation and energy distribution in microbial fuel cells with rationale for maximum power point. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 267-274                         | 14.7 | 33  |
| 273 | Metabolic phasing of anoxic-PDBR for high rate treatment of azo dye wastewater. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 343, 49-58   | 12.8 | 25  |
| 272 | Photosynthetic and Lipogenic Response Under Elevated CO <sub>2</sub> and H <sub>2</sub> Conditions High Carbon Uptake and Fatty Acids Unsaturation. <i>Frontiers in Energy Research</i> , <b>2018</b> , 6,               | 3.8  | 4   |
| 271 | Defatted algal biomass as feedstock for short chain carboxylic acids and biohydrogen production in the biorefinery format. <i>Bioresource Technology</i> , <b>2018</b> , 269, 408-416                                    | 11   | 21  |
| 270 | Biophotovoltaics: Conversion of Light Energy to Bioelectricity Through Photosynthetic Microbial Fuel Cell Technology <b>2018</b> , 373-387   |      | 3   |
| 269 | Electrofermentation of food waste Regulating acidogenesis towards enhanced volatile fatty acids production. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 1709-1718   | 14.7 | 53  |
| 268 | Sustainable production of medium chain fatty acids (MCFA) with an enriched mixed bacterial culture: microbial characterization using molecular methods. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 372-380   | 5.8  | 22  |
| 267 | Food waste biorefinery: Sustainable strategy for circular bioeconomy. <i>Bioresource Technology</i> , <b>2018</b> , 248, 2-12  | 11   | 347 |
| 266 | Quantum Yield and Fatty Acid Profile Variations With Nutritional Mode During Microalgae Cultivation. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2018</b> , 6, 111   | 5.8  | 26  |
| 265 | Acidogenic Biorefinery: Food Waste Valorization to Biogas and Platform Chemicals <b>2018</b> , 203-218   |      | 11  |
| 264 | Spatio-metabolic stratification of anoxic biofilm in prototype bioelectrogenic system. <i>Bioelectrochemistry</i> , <b>2017</b> , 115, 11-18   | 5.6  | 23  |



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| 263 | Microbial Electrochemical Platform: Biofactory with Diverse Applications. <i>Green Energy and Technology</i> , <b>2017</b> , 35-50   | 0.6  | 2  |
| 262 | Impact of selectively enriched microbial communities on long-term fermentative biohydrogen production. <i>Bioresource Technology</i> , <b>2017</b> , 242, 253-264  | 11   | 31 |
| 261 | Microbial mediated desalination for ground water softening with simultaneous power generation. <i>Bioresource Technology</i> , <b>2017</b> , 242, 28-35  | 11   | 18 |
| 260 | Diverse acidogenic effluents as feedstock for microalgae cultivation: Dual phase metabolic transition on biomass growth and lipid synthesis. <i>Bioresource Technology</i> , <b>2017</b> , 242, 191-196              | 11   | 22 |
| 259 | Multi-electrode bioelectrochemical system for the treatment of high total dissolved solids bearing chemical based wastewater. <i>Bioresource Technology</i> , <b>2017</b> , 242, 77-86                               | 11   | 18 |
| 258 | Microalgae-Based Carotenoids Production <b>2017</b> , 139-147  |      | 8  |
| 257 | Phasic availability of terminal electron acceptor on oxygen reduction reaction in microbial fuel cell. <i>Bioresource Technology</i> , <b>2017</b> , 242, 101-108  | 11   | 21 |
| 256 | Pre-aeration of food waste to augment acidogenic process at higher organic load: Valorizing biohydrogen, volatile fatty acids and biohythane. <i>Bioresource Technology</i> , <b>2017</b> , 242, 68-76               | 11   | 55 |
| 255 | Photosynthetic Synergism for Sustained Power Production with Microalgae and Photobacteria in a Biophotovoltaic Cell. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 7635-7644   | 4.1  | 19 |
| 254 | Regulatory effect of Fe-EDTA on mixotrophic cultivation of <i>Chlorella</i> sp. towards biomass growth and metabolite production. <i>Bioresource Technology</i> , <b>2017</b> , 244, 1227-1234                       | 11   | 13 |
| 253 | Energy-positive nitrogen removal of pharmaceutical wastewater by coupling heterotrophic nitrification and electrotrophic denitrification. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 715-720           | 14.7 | 14 |
| 252 | Integrated ecotechnology approach towards treatment of complex wastewater with simultaneous bioenergy production. <i>Bioresource Technology</i> , <b>2017</b> , 242, 60-67   | 11   | 11 |
| 251 | Acidogenesis driven by hydrogen partial pressure towards bioethanol production through fatty acids reduction. <i>Energy</i> , <b>2017</b> , 118, 425-434   | 7.9  | 35 |
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| 108 | Influence of carbohydrates and proteins concentration on fermentative hydrogen production using canteen based waste under acidophilic microenvironment. <i>Journal of Biotechnology</i> , <b>2011</b> , 155, 387-95                                  | 3.7  | 51 |
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| 3  | Understanding SARS-CoV-2 Infection and Dynamics with Long Term Wastewater based Epidemiological Surveillance  |      | 2   |
| 2  | Comprehensive and Temporal Surveillance of SARS-CoV-2 in Urban Water Bodies: Early Signal of Second Wave Onset  |      | 1   |
| 1  | Methodological Approach for Wastewater Based Epidemiological Studies for SARS-CoV-2   |      | 3   |