

Details of Patents, Publications and Book Chapters

Research Publications/Patents/Book chapters Summary

• Research papers published in Journals	:	289*
• Cover page articles	:	7
• Chapters contributed for books	:	31
• Review articles	:	14
• Article in periodicals (popular)	:	9
• Articles published in Conference Proceedings	:	270
• Patents	:	9
• Co-editor (Guest) of special issues of Journals	:	3

*Citation Analysis

- H-index of **52**, with over **9202** citations [Ref. Google Scholar, August 2016].
- Citations *per year*: 1559 in the year 2015 [Ref. Google Scholar].

Sequence Data Submitted to EMBL-GenBank

• Culture isolation (1500 bp)	:	22
• Culture isolation (photosynthetic bacteria) (850 bp)	:	5
• Culture isolation (algae) (450 bp)	:	1
• DGGE (180 bp)	:	258

Patents

1. N.Srivastava, **S.Venkata Mohan**, M.Kumar, M.Yadav, J.K.Chauhan, O.Sarkar, A. N.Kumar. (2015). Low Cost Electrolyte Membranes for Microbial Fuel Cell Application Synthesized by complexing Starch (Wheat, Corn and Rice) with Salt. Application no: 201611006732, Date/26/02/2016.
2. **S.Venkata Mohan**, M.L.Babu, G.Velvizhi, R.K.Goud, Y.V.Swamy. A Novel Multi-electrode membrane-less biocatalyzed fuel cell for bioelectricity production from wastewater treatment (278/DEL/2014 dated 30-01-2014).
3. A G Rao, J.Joseph, Y.V.Swamy, **S.Venkata Mohan**. Development of biological filter for the removal of odour causing inorganic and volatile organic compounds emanating from tanneries (0089NF2012).
4. **S.Venkata Mohan**, P.N Sarma, N.C.Rao, K.K Prasad, K.V Raghavan. 2004. Sequential batch reactor with biofilm configuration for treating complex chemical and pharmaceutical effluents (244493 (8-12-2010, India; WO2004/087,583 A1; AU2003226637; CN1771202; DE10394217T).
5. K.S.R.Rao, S.S.Kumar, P.N.Sarma, K.K. Prasad, **S.Venkata Mohan**. 2004. Process for the preparation of highly efficient silver deposited on carbon covered alumina catalyst in controlling microorganisms in water. (File No: NF-500/04; US No 20060254989, 2006).
6. R.S.Prakasham, P.N.Sarma, **S.Venkata Mohan**, K.V.Raghavan. 2004. Process for production of ethanol using stable yeast crystals in modified conventional batch reactor (P WO2004058983-A1; AU2002348689-A1; BR200215982-A; MX2005006992-A1; CN1717491-A; CN100406565-C; MX270517-B; US2004185543-A1; US2006188968-A1)
7. S.V.Ramakrishna, **S.Venkata Mohan**, R.S.Prakasham, K.V.Raghavan. 2004. Method for the preparation of stable and reusable biosensing granules (US 20060188968, 2006; USA- PCT International App No. PCT/IN00/00082).

8. S.V.Ramakrishna, P.Komariaha, R.S.Prakasham, **S.Venkata Mohan**, K.V.Raghavan. Fixing microorganism on polymer particles. (WO200218563-A; EP1313847-A; WO200218563-A1; AU200130484-A; EP1313847-A1; DE10085484-T; CN1454255-A; DE10085484-B4; IN200300469-P1; US7252981-B1).
9. S.V.Ramakrishna, **S.Venkata Mohan**, P.Komariaha, R.S.Prakasham, K.V.Raghavan. Development of biosensing granules for wastewater characterization (NF-317/99(1999)).

Guest Editor

1. Special Issue on 'Microbial Fuel cell', Bioresource Technology (Vol 195, Nov., 2015; Pages 1-288)
2. Special Issue on 'Waste Biorefinery', Bioresource Technology (Vol 215, Sept., 2016, Page 1-396)
3. Special issue on Research Topic 'Sustainable Waste Remediation: Enabling processes and technologies for a Circular Bioeconomy', *Frontiers in Environmental Science(Wastewater Management)* (In progress, August 2016-)

Research Articles in Referred Journals (Primary Literature publications; (* corresponding author)

1. P.Chiranjeevi and **S.Venkata Mohan***. (2016). Optimizing the Critical Factors for Lipid Productivity during Stress Phased Heterotrophic Microalgae Cultivation. *Front. Energy Res.*4:26. doi: 10.3389/fenrg.2016.00026 (**Invited article for inaugural issue**).
2. **S.Venkata Mohan***, B.Sai Kishore, K.Amulya, S.Dahiya, J.A.Modestra. (2016). Waste Biorefinery: A New Paradigm for a Sustainable Bioelectro Economy, *Trends in Biotechnology*, <http://dx.doi.org/10.1016/j.tibtech.2016.06.006> (**Forum Article**).
3. B.Shah, A.K.Jain, A.H.Jiyani, **S.Venkata Mohan***, D.Madamwar. (2016). Microaerophilic Symmetric Reductive Cleavage of Reactive Azo Dye-Remazole Brilliant Violet 5R by Consortium VIE6: Community Synergism. *J Applied Biochemistry and Biotechnology*. doi.org/10.1007/s12010-016-2150-4.
4. S.Dahiya, **S.Venkata Mohan***. (2016). Strategic Design of Synthetic Consortium with embedded Wastewater Treatment Potential: Deciphering the Competence of Isolates from Diverse Microbiome. *Front. Environ. Sci.* 4:30. doi: 10.3389/fenvs.2016.00030 (**Invited article for inaugural issue**).
5. O.Sarkar, **S.Venkata Mohan**. (2016). Deciphering acidogenic process towards biohydrogen, biohythane, and short chain fatty acids production: multi-output optimization strategy. *Biofuel Research Journal* 11 (2016) 458-469 (**Invited article**).
6. P.Chiranjeevi, **S.Venkata Mohan***. (2016). Critical parametric influence on microalgae cultivation towards maximizing biomass growth with simultaneous lipid productivity, *Renewable Energy*, 98, 64-71.
7. J.A.Modestra, P.Chiranjeevi, **S.Venkata Mohan***. (2016). Cathodic material effect on electron acceptance towards bioelectricity generation and wastewater treatment. *Renewable Energy*, 98, 178-187.
8. C.N.Reddy and **S.Venkata Mohan***. (2016). Integrated bio-electrogenic process for bioelectricity production and cathodic nutrient recovery from azo dye wastewater, *Renewable Energy*, 98, 188-196.
9. D.K.Yeruva, G.Velvizhi, **S.Venkata Mohan***. (2016). Coupling of aerobic/anoxic and bioelectrogenic processes for treatment of pharmaceutical wastewater associated with bioelectricity generation, *Renewable Energy*, 98, 171-177.
10. M.V.Rohit, **S.Venkata Mohan***. (2016). Tropho-metabolic transition during *Chlorella* sp. cultivation on synthesis of biodiesel. *Renewable Energy*, 98, 84-91.
11. S. Sreelatha, G. Velvizhi, A. Naresh Kumar, **S. Venkata Mohan***. (2016). Functional behaviour and treatment efficiency of bio-electrochemical treatment system with increasing azo dye concentration: Synergistic interactions of biocatalyst and electrode assembly, *Bioresource Technology*, 213:11-20.
12. J. S.Sravan, A.N.Kumar, **S.Venkata Mohan***. (2016). Multi-pollutant treatment of micro-crystalline cellulosic effluent: Function of dissolved oxygen on process control, *Bioresource Technology*, 217, 245-251.
13. K.V.Krishna, **S.Venkata Mohan***. (2016). Selective enrichment of electrogenic bacteria for fuel cell application: Enumerating microbial dynamics using MiSeq platform, *Bioresource Technology*, 213, 146-154.
14. **S.Venkata Mohan***. (2016). Reengineering 'Waste remediation' to 'Waste biorefinery' advocating sustainable biotechnology: New paradigm to frugal innovation. *Annals of the Indian National Academy of Engineering*, XIII, 300-311.
15. M.V.Reddy, Y.Mawatari, Y.Yajima, K.Satoh, **S.Venkata Mohan**, Y.Chang. (2016). Production of poly-3-hydroxybutyrate (P3HB) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) P(3HB-co-3HV) from synthetic wastewater using *Hydrogenophaga palleronii*, *Bioresource Technology*, 215, 155-162.
16. Y.V.Nancharaiah, S.Venkata Mohan, P.N.L.Lens. (2016). Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems, *Bioresource Technology*, 215, 173-185.
17. G.N.Nikhil, Y.D.Kumar, **S.Venkata Mohan***, Y.V.Swamy. (2016). Assessing potential cathodes for resource recovery through wastewater treatment and salinity removal using non-buffered microbial electrochemical systems, *Bioresource Technology*, 215, 247-253.
18. M.Hemalatha, **S.Venkata Mohan***. (2016). Microalgae cultivation as tertiary unit operation for treatment of pharmaceutical wastewater associated with lipid production, *Bioresource Technology*, 215, 117-122.

19. **S.Venkata Mohan***, G.N.Nikhil, P.Chiranjeevi, C.N.Reddy, M.V.Rohit, A.N.Kumar, O.Sarkar. (2016). Waste Biorefinery Models towards Sustainable circular Bioeconomy: Critical Review and Future Perspectives, *Bioresource Technology*. Vol, 215, 2-12.
20. **S.Venkata Mohan***, J.A.Modestra, K.Amulya, B.Sai Kishore, G.Velvizhi. (2016). A circular bioeconomy with bio-based products from CO₂ sequestration. *Trends in Biotechnology*. 34(6), 506-519.
21. S.Singha, T.Jana, J.A.Modestra, A.Naresh Kumar, **S.Venkata Mohan**. (2016). Highly efficient sulfonated polybenzimidazole as a proton exchange membrane for microbial fuel cells, *Journal of Power Sources*, 317, 15, 143-152.
22. A.K.Kumar, P.N.Sarma, **S.Venkata Mohan***. (2016). Incidence of selected endocrine disrupting estrogens in water bodies of Hyderabad and its relation to water quality parameters. *Environmental Engineering and Management Journal*, 15(2), 315-325.
23. K.Amulya, M.V. Reddy, M.V. Rohit, **S.Venkata Mohan***. (2016). Wastewater as renewable feedstock for bioplastics production: Understanding the role of reactor microenvironment and system pH, *Journal of Cleaner Production*, 11(5), 4618-4627.
24. O.Sarkar, A.N.Kumar, S.Dahiya, K.V.Krishna, Y.D.Kumar, **S.Venkata Mohan***. (2016). Regulation of acidogenic metabolism towards enhanced short chain fatty acid biosynthesis from waste: metagenomic profiling. *RSC Adv*, 6, 18641–18653.
25. Y.V.Nancharaiah, **S.Venkata Mohan**, P.N.L. Lens. (2016). Biological and Bioelectrochemical Recovery of Critical and Scarce Metals. *Trends in Biotechnology*, 34(2), 137-155.
26. C.N.Reddy, K.Arunasri, Y.D.Kumar, K.V. Krishna, **S.Venkata Mohan***. (2016). Qualitative in vitro Evaluation of Plant Growth Promoting Activity of Electrogenic Bacteria from biohydrogen producing Microbial Electrolysis Cell Towards Biofertilizer Application. *Journal of Energy and Environmental Sustainability*, 1, 47-51 (**Inagural issue invited article**).
27. B.Sai Kishore, G.Velvizhi, M.L.K.Sulonen, J.M.Haavisto, E.O.Koroglu, A.Y.Cetinkaya, S.Singh, D.Arya, J.A.Modestra, K.V.Krishna, A.Verma, B.Ozkaya, A.Lakaniemi, J.A.Puhakka, **S. Venkata Mohan***. (2016). Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling. *Renewable and Sustainable Energy Reviews*, 53, 462-476.
28. K.Arunasri, J.A.Modestra, Y.D.Kumar, K.V.Krishna, **S.Venkata Mohan***. (2016). Polarized potential and electrode materials implication on electro-fermentative di-hydrogen production: Microbial assemblages and hydrogenase gene copy variation, *Bioresource Technology*, 200, 691-698.
29. P.S.Babu, S.Srikanth, X.Dominguez-Benetton, **S.Venkata Mohan**, D.Pant. (2016). Dual gas diffusion cathode design for microbial fuel cell (MFC): Optimizing the suitable mode of operation in terms of bioelectrochemical and bioelectrokinetic evaluation. *Journal of Chemical Technology and Biotechnology* 91, 624–639
30. S.B.Pasupuleti, S.Sandipam, **S.Venkata Mohan**, D.Pant. (2015). Continuous mode operation of microbial fuel cell (MFC) stack with dual gas diffusion cathode design for the treatment of dark fermentation effluent. *International Journal of Hydrogen Energy*. 40(36), 12424-12435.
31. S.B.Pasupuleti and **S. Venkata Mohan***. (2015). Acidogenic hydrogen production from wastewater: Process analysis with the function of influencing parameters. *International Journal of Energy Research*. 39(8), 1131-1141.
32. K.Venkidasamy, M.Megharaj, U.Schröder, F.Karouta, **S.Venkata Mohan**, R. Naidu. (2015). Electron transport through electrically conductive nanofilaments in *Rhodospseudomonas palustris* strain RP2. *RSC Adv.*, 5, 5, 100790-100798.
33. S.Sreelatha, G.Velvizhi, C.N.Reddy, J.A.Modestra, **S.Venkata Mohan***. (2015). Solid Electron Acceptor Effect on Biocatalyst Activity in Treating Azo dye Based Wastewater. *RSC Adv.*, 5, 95926-95938.
34. K.Chandrasekhar. K Amulya, **S.Venkata Mohan***. (2015). Solid phase bio-electrofermentation of food waste to harvest value-added products associated with waste remediation. *Waste Management*. 45, 57-65 (**Special Issue dedicated to Urban Mining**)
35. M.V.Reddy, K.Amulya, **S.Venkata Mohan***. (2015). Bacterial synthesis of polyhydroxyalkanoates using dark fermentation effluents: Comparison between pure and enriched mixed cultures. *Engineering in Life Sciences*, 15(6):646–654.
36. G.N.Nikhil., G.V.Subhash, Y.Dileep, **S.Venkata Mohan***. (2015). Synergistic yield of dual energy forms through biocatalyzed electrofermentation of waste: Stoichiometric analysis of electron and carbon distribution. *Energy*, 88, 281-191
37. R.Chandra, J.A.Modestra, **S.Venkata Mohan***. (2015). Biophotovoltaic cell to harness bioelectricity from acidogenic wastewater associated with Microbial Community Profiling. *Fuel*, 160, 402-512
38. J.Bloesch, M. von Hauff, K.Mainzer, **S.Venkata Mohan**, O.Renn, V.Risse, Y.Song, K.Takeuchi, P. A.Wilderer. (2015). Contribution to the UN Post-2015 Development Agenda Based on the Concept of Resilience. *Problemy Ekorozwoju- Problems of Sustainable Development*, 10(2), 7-13 (**Editorial**).
39. J.Bloesch, M. von Hauff, K.Mainzer, **S.Venkata Mohan**, O.Renn, V.Risse, Y.Song, K.Takeuchi, Peter.A.Wilderer. (2015). Sustainable Development Integrated in the Concept of Resilience. *Problemy Ekorozwoju-Problems of Sustainable Development*, 10(1), 7-14 (**Editorial**).
40. G.Velvizhi, **S.Venkata Mohan***. (2015). Bioelectrogenic Role of Anoxic Microbial Anode in the Treatment of Chemical Wastewater: Microbial Dynamics with Bioelectro-characterization. *Water Research*. 70(1), 52-63.
41. M.Agarwal, J.Tardio, **S.Venkata Mohan***. (2015). Pyrolysis biochar from cellulosic municipal solid waste as adsorbent for azo dye removal: Equilibrium isotherms and kinetics analysis. *Int. J Environ. Sci. Develop.*, 6(1), 67-72.
42. S.Dahiya, O.Sarkar, Y.V.Swamy, **S.Venkata Mohan***. (2015). Acidogenic fermentation of food waste for volatile fatty acid production along with co-generation of biohydrogen. *Bioresource Technology*. 182, 103-113.

43. M.Agarwal, J.Tardio, **S.Venkata Mohan***. (2015). Pyrolysis of activated sludge: Energy analysis and its technical feasibility. *Bioresource Technology*, 178, 70-75.
44. S.B.Pasupuleti, **S.Venkata Mohan***. (2015). Single-Stage Fermentation Process for High-Value Biohythane Production with the Treatment of Distillery Spent-wash. *Bioresource Technology*. 189, 177-189 (**Cover Page Article**).
45. R.Chandra, G.N.Nikhil, **S.Venkata Mohan***. (2015). Single-Stage Operation of Hybrid Dark-Photo Fermentation to Enhance Biohydrogen Production through Regulation of System Redox Condition: Evaluation with Real-Field Wastewater. *Int. J. Mol. Sci.*, 16, 9540-9556 (**Invited article**).
46. G.V.Subash, **S.Venkata Mohan***. (2015). Sustainable biodiesel production through bioconversion of lignocellulosic wastewater by oleaginous fungi. *Biomass Conversion and Biorefinery*. 5(2), 215-226.
47. M.Agarwal, J.Tardio, **S.Venkata Mohan***. (2015). Effect of pyrolysis parameters on yield and composition of gaseous products from activated sludge: towards sustainable biorefinery. *Biomass Conversion and Biorefinery*. 5(2), 227-235.
48. J.A.Modestra, B.Navaneeth, **S.Venkata Mohan***. (2015). Bioelectrocatalytic reduction of CO₂: Enrichment of homoacetogens and pH optimization towards enhancement of carboxylic acids biosynthesis. *J. CO₂ Utilization*, 10, 78-87.
49. A.ElMekawy, S.Srikanth, S.Bajracharya, H.M.Hegab, P.S.Nigam, A.Singh, **S.Venkata Mohan**, D.Pant. (2015). Food and Agricultural Wastes as Substrates for Bioelectrochemical System (BES): The Synchronized Recovery of Sustainable Energy and Waste Treatment. *Food Res. Int.*, 73, 213-225.
50. G.N.Nikhil, G.V.Subhash, Y.Dileep, **S.Venkata Mohan***. (2015). Closed circuitry operation influence on bio-electrofermentation: Proton/electron effluxes on electro-fuels productivity in Microbial Fuel Cells. *Bioresource Technology*, 195, 37-45
51. Y.V.Nancharaiah, **S.Venkata Mohan**, P.N.L.Lens. (2015). Metal removal and recovery in bioelectrochemical systems: a review. *Bioresource Technology*, 195, 102-114.
52. P.S.Babu, S.Srikanth, **S.Venkata Mohan**, D.Pant. (2015). Development of exoelectrogenic bioanode and study on feasibility of hydrogen production using abiotic VITO-CoRETM and VITO-CASETM electrodes in a single chamber microbial electrolysis cell (MEC) at low current densities, *Bioresource Technology*, 195, 131-138
53. J.A.Modestra, M.L.Babu, **S.Venkata Mohan***. (2015). Electro-fermentation of real-field acidogenic spent wash effluents for additional biohydrogen production with simultaneous treatment in a microbial electrolysis cell, *Separation and Purification Technology*, 150, 308-315.
54. G.L. Devi, R.K.Sukumaran, **S.Venkata Mohan**, S.K.Valappil, O.Sarkar, Ashok Pandey. (2015). Rice straw hydrolysate to fuel and volatile fatty acids conversion by *Clostridium sporogenes* BE01: Bio-electrochemical analysis of electron transport mediators involved. *Green Chem.* 17, 3047-3057.
55. S.Sreelatha, C.N.Reddy, G.Velvizhi, **S.Venkata Mohan***. (2015). Reductive Behaviour of acid azo dye based wastewater: Biocatalyst activity in conjunction with enzymatic and bio-electro catalytic evaluation. *Bioresource Technology*, 188, 2-8.
56. B.Navaneeth, R.Hari Prasad, P.Chiranjeevi, R.Chandra, O.Sarkar, A.Verma, S.Subudhi, Banwari Lal, S.Venkata Mohan. (2015). Implication of composite electrode on the functioning of photo-bioelectrocatalytic fuel cell operated with heterotrophic-anoxygenic condition. *Bioresource Technology*. 185, 331-340
57. Y.D.Kumar, J.Srinivas, G.Velvizhi, A. N.Kumar, Y.V.Swamy, **S.Venkata Mohan***. (2015). Integrating sequencing batch reactor with bio-electrochemical treatment for augmenting remediation efficiency of complex petrochemical wastewater. *Bioresource Technology*, 188, 33-42.
58. G.N. Nikhil, **S.Venkata Mohan**, Y.V.Swamy (2015). Applied potentials regulate recovery of residual hydrogen from acid-rich effluents: Influence of biocathodic buffer capacity over process performance. *Bioresource Technology*, 188, 65-72.
59. R.Chandra, S.Arora, M.V.Rohit, **S.Venkata Mohan***. (2015). Lipid metabolism in response to individual short chain fatty acids during mixotrophic mode of microalgal cultivation: Influence on biodiesel saturation and protein profile. *Bioresource Technology*, 188, 169-178.
60. A.N.Kumar, C.N.Reddy, **S.Venkata Mohan***. (2015). Biomineralization of Azo Dye bearing Wastewater in Periodic Discontinuous Batch Reactor: Effect of Microaerophilic conditions on Treatment Efficiency. *Bioresource Technology*. 188, 56-64.
61. K.Amulya. S.Jukuri, **S.Venkata Mohan***. (2015). Sustainable multistage process for enhanced productivity of bioplastics from waste remediation through aerobic dynamic feeding strategy: Process integration for up-scaling. *Bioresource Technology*, 188, 231-239.
62. **S.Venkata Mohan***, M.V.Rohit, P.Chiranjeevi, R.Chandra, B.Navaneeth. (2015). Heterotrophic Microalgae Cultivation to Synergize Biodiesel Production with Waste Remediation: Progress and Perspectives. *Bioresource Technology*. 184, 169-178 (**Invited Review Article**).
63. **S.Venkata Mohan***. (2014). Sustainable Waste Remediation: A Paradigm Shift towards Environmental Biorefinery. *Chemical Engineering World*, 49 (12), 29-35 (**Guest Column**)
64. O.Sarkar, M.Agarwal, A.N.Kumar, **S.Venkata Mohan***. (2014). Retrofitting heterotrophically cultivated algae biomass as pyrolytic feedstock for biogas, bio-char and bio-oil production encompassing biorefinery. *Bioresource Technology*, 178, 132-138. (**Invited article for special issue on Thermo-chemical Conversion of Biomass**).
65. K.V.Krishna, O.Sarkar, **S.Venkata Mohan***. (2014). Bioelectrochemical treatment of paper and pulp wastewater in comparison with anaerobic process: Integrating chemical coagulation with simultaneous power production. *Bioresource Technology*, 174, 142-151.

66. **S.Venkata Mohan***, G.Velvizhi, J.A.Modestra, S.Srikanth. (2014). Microbial fuel cell: Critical factors regulating biocatalyzed electrochemical process and Recent Advancements. *Renewable and Sustainable Energy Reviews*, 40, 779–797.
67. J.A.Modestra, **S.Venkata Mohan***. (2014). Bio-electrocatalyzed electron efflux in Gram positive and Gram negative bacteria: an insight into disparity in electron transfer kinetics. *RSC Advances*. 4, 34045-34055.
68. G.V.Subhash, M.V. Rohit, M.P.Devi, Y.V.Swamy, **S.Venkata Mohan***. (2014). Temperature induced stress influence on biodiesel productivity during mixotrophic microalgae cultivation with wastewater. *Bioresource Technology*, 169, 789–793.
69. M.L.Babu, P.N.Sarma, **S.Venkata Mohan***. (2013). Microbial electrolysis of synthetic acids for biohydrogen production: Influence of biocatalyst pretreatment and pH with the function of applied potential. *Journal of Microbial and Biochemical Technology*. DOI:10.4172/1948-5948.S6-003 (*Invited article to special issue on 'Biofuel Cells and Bioelectrochemical Systems'*)
70. M.V.Reddy, D.Chaityana, G.Nikhil, **S.Venkata Mohan***, P.N.Sarma. (2014). Influence of co-factor on enhancement of bioplastic production through wastewater treatment. *CLEAN-Soil, Air, Water*, 42(6), 809-814.
71. K.Chandrasekhar, **S.Venkata Mohan***. (2014). Bio-electrohydrolysis as a pretreatment strategy to catabolize complex food waste in closed circuitry: Function of electron flux to enhance acidogenic biohydrogen production. *Int. J. Hydrogen Energy*. 39, 11411-11422.
72. **S.Venkata Mohan***, S.Srikanth, P.Chiranjeevi, S.Arora, R.Chandra. (2014). Algal biocathode for *in situ* terminal electron acceptor (TEA) production: Synergetic association of bacteria–microalgae metabolism for the functioning of biofuel cell. *Bioresource Technology*, 166, 566–574.
73. S.Srikanth, **S.Venkata Mohan***. (2014). Regulating feedback inhibition caused by the accumulated acid intermediates during acidogenic hydrogen production through feed replacement. *International Journal of Hydrogen Energy*. 39, 10028-10040.
74. G.V.Subhash, **S.Venkata Mohan***. (2014). Deoiled algal cake as feedstock for dark fermentative biohydrogen production: An integrated biorefinery approach. *International Journal of Hydrogen Energy*, 39(18), 9573-9579.
75. **S.Venkata Mohan***, G.Velvizhi, K.V.Krishna, M.L.Babu. (2014). Microbial catalyzed electrochemical systems: A bio-factory with multi-facet applications. *Bioresource Technology*. 165, 355-364
76. G.N.Nikhil, **S Venkata Mohan***, Y.V.Swamy. (2014). Systematic Approach to Assess Biohydrogen Potential of Anaerobic Sludge and Soil Rhizobia as Biocatalysts: Influence of Crucial Factors Affecting Acidogenic Fermentation. *Bioresource Technology*, 165, 323-331.
77. K.Chandrasekhar, **S.Venkata Mohan***. (2014). Induced catabolic bio-electrohydrolysis of complex food waste by regulating external resistance for enhancing acidogenic biohydrogen production. *Bioresource Technology*. 165, 372-382.
78. **S.Venkata Mohan***, M.P.Devi. (2014). Salinity stress induced lipid synthesis to harness biodiesel during dual mode cultivation of mixotrophic microalgae. *Bioresource Technology*. 165, 288-294.
79. R.Chandra, M.V.Rohit, Y.V.Swamy, **S.Venkata Mohan***. (2014). Regulatory function of organic carbon supplementation on biodiesel production during growth and nutrient stress phases of mixotrophic microalgae cultivation. *Bioresource Technology*. 165, 279-287.
80. C.N.Reddy, A.N.Kumar, J.A.Modestra, **S.Venkata Mohan***. (2014). Induction of anoxic microenvironment in multi-phase metabolic shift strategy during periodic discontinuous batch mode operation enhances treatment of azo dye wastewater. *Bioresource Technology*. 165, 241-249 (*Cover Page Article*).
81. G.V.Subhash, **S.Venkata Mohan***. (2014). Deoiled algal cake as feedstock for dark fermentative biohydrogen production: Biorefinery approach, *International Journal of Hydrogen Energy*. 39, 9573-9579.
82. A.N.Kumar, C.N.Reddy, R.H.Prasad, **S.Venkata Mohan***. (2014). Azo dye load-shock on relative behavior of biofilm and suspended growth configured periodic discontinuous batch mode operations: Critical evaluation with enzymatic and Bio-electrocatalytic analysis. *Water Res*. 60(1), 182-196
83. P.Chiranjeevi, A.N.Kumar, **S.Venkata Mohan***. (2014). Critical assessment of biofilm and suspended growth reactor configurations for acidogenic biohydrogen production using wastewater as a function of redox microenvironment. *International Journal of Hydrogen Energy*, 39, 7561-7571.
84. P.S.Babu, O. Sarkar. **S.Venkata Mohan***. (2014). Upscaling of biohydrogen production process in semi-pilot scale biofilm reactor: Evaluation with food waste at variable organic loads. *International Journal of Hydrogen Energy*. 39, 7587-7596.
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87. M.V.Reddy, K.Amulya, M.V.Rohit, P.N.Sarma, **S.Venkata Mohan***. (2014). Valorization of fatty acid waste for bioplastics production using *Bacillus tequilensis*: Integration with dark-fermentative hydrogen production process, *International Journal of Hydrogen Energy*, 39, 7616-7626.

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