

# Challenges of Microbial Fuel Cell Architecture on Heavy From Wastewater

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sustainable Approach for Tannery Wastewater Treatment: Bioelectricity Generation in Bioelectrochemical Systems. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10057-10066.	1.7	10
2	Removal of heavy metals in a flow-through vertical microbial electrolysis cell. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2608-2616.	0.9	11
3	Convenient non-invasive electrochemical techniques to monitor microbial processes: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8327-8338.	1.7	12
4	Low-Cost Electrode Modification to Upgrade the Bioelectrocatalytic Oxidation of Tannery Wastewater Using Acclimated Activated Sludge. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2259.	1.3	5
5	Bio-electrochemical treatment of food wastewater and copper recovery from copper-contaminated plant with electricity production using biomaterial anode. <i>International Journal of Energy and Water Resources</i> , 2019, 3, 187-201.	1.3	0
6	The Potential of Microbial Fuel Cells for Remediation of Heavy Metals from Soil and Water—Review of Application. <i>Microorganisms</i> , 2019, 7, 697.	1.6	56
7	Critical review on microbial fuel cells for concomitant reduction of hexavalent chromium and bioelectricity generation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1298-1307.	1.6	24
8	Production, optimisation and engine characteristics of beef tallow biodiesel rendered from leather fleshing and slaughterhouse wastes. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 675-688.	2.9	57
9	Exploring the use of 3 dimensional low-cost sugar-urea carbon foam electrode in the benthic microbial fuel cell. <i>Renewable Energy</i> , 2020, 147, 2032-2042.	4.3	10
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12	Metal removal and recovery using bioelectrochemical technology: The major determinants and opportunities for synchronic wastewater treatment and energy production. <i>Journal of Environmental Management</i> , 2020, 270, 110826.	3.8	49
13	Simultaneous copper removal and electricity production and microbial community in microbial fuel cells with different cathode catalysts. <i>Bioresource Technology</i> , 2020, 305, 123166.	4.8	28
14	Recent Development in Cathodic Catalyst towards Performance of Bioelectrochemical Systems. <i>ACS Symposium Series</i> , 2020, , 1-25.	0.5	3
15	Improved cycling stability of Ni-rich LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode materials by optimizing Ti doping. <i>Functional Materials Letters</i> , 2021, 14, 2150002.	0.7	9
16	Microbial Electrochemical System: A Sustainable Approach for Mitigation of Toxic Dyes and Heavy Metals from Wastewater. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021, 25, .	1.2	20
17	Microbial and Enzymatic Bioconversion of Tannery Wastes: Progress Toward a Circular Economy in the Leather Industry. , 2021, , 387-415.		0
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19	Metal-Organic Frameworks in Photocatalysis. , 2021, , 555-555.		0
20	Enhanced Power Extraction with Sediment Microbial Fuel Cells by Anode Alternation. Fuels, 2021, 2, 168-178.	1.3	4
21	Selenite and selenate removal in a permeable flow-through bioelectrochemical barrier. Journal of Hazardous Materials, 2021, 408, 124431.	6.5	8
22	Progress and recent trends in photosynthetic assisted microbial fuel cells: A review. Biomass and Bioenergy, 2021, 148, 106028.	2.9	48
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24	Chitosan beads as a bioanode for simultaneous recovery of nutrients and energy from municipal wastewater using a microbial nutrient recovery cell. Journal of Cleaner Production, 2021, 298, 126756.	4.6	8
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29	Low-Temperature-Processed ZnO Electron Transport Layers for PbS Colloidal Quantum Dot-Based Solar Cells. ACS Applied Nano Materials, 2021, 4, 8888-8896.	2.4	4
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32	Microbial Remediation of Heavy Metals. , 2020, , 49-72.		20
33	Towards effective energy harvesting from stacks of soil microbial fuel cells. Journal of Power Sources, 2021, 515, 230591.	4.0	7
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39	Bioelectrochemical systems-based metal recovery: Resource, conservation and recycling of metallic industrial effluents. Environmental Research, 2022, 204, 112346.	3.7	18
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57	Contaminant Removal and Resource Recovery in Bioelectrochemical Wastewater Treatment. <i>Current Pollution Reports</i> , 2022, 8, 159-176.	3.1	4
58	Utilization of biomass-derived electrodes: a journey toward the high performance of microbial fuel cells. <i>Applied Water Science</i> , 2022, 12, 1.	2.8	24
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75	Detailed investigation the impact of biofilm formation and cathode limitations on electrochemical performance of biofuel cell. Journal of Electroanalytical Chemistry, 2022, 924, 116821.	1.9	1
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