

# Microbial Fuel Cell a Renewable and Clean Source of Energy—An Overview †

Mrunal Joshi <sup>1</sup>, Arunkumar Dwivedi <sup>1</sup>

<sup>1</sup> Sandip University, India; mpjoshi@apsit.edu.in (M.J.); arun.dwivedi@sandipuniversity.edu.in (A.D.);

\* Correspondence: mpjoshi@apsit.edu.in (M.J.);

† Presented at International e-Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective (16-18 June 2021), Surat, Gujarat, India

**Received: 5.06.2021; Revised: 10.06.2021; Accepted: 12.06.2021; Published: 15.06.2021**

**Abstract:** As day by, energy is becoming the most important parameter as air, water and shelter. Nonrenewable sources of energy are creating a lot of pollution in the environment. Like R's principle, now there is a need for E's principle for Energy security, Energy growth, Environmental protection, and go for the environmentally friendly source of energy. We can't rely more on such nonrenewable sources, and now there is a need to search for alternatives for energy. Microbial Fuel Cell (MFC) is the newest approach of such energy in which wastewater is treated to harvest energy from it and serve the purpose of purification of wastewater. This paper described the different types, component parts, and working of MFC along with its application.

**Keywords:** energy; microbial fuel cell; renewable; wastewater.

© 2021 by the authors. This article is an open-access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

## Funding

This research received no external funding.

## Acknowledgments

This research has no acknowledgment.

## Conflicts of Interest

The authors declare no conflict of interest.