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| **Abstract:** |  |
| A few numbers of demands in the society are as great as non-conventional energy sources. On the other hand almost 2 billion people in this earth shortage of enough sanitation and economic means to yield it. Waste water treatment energy costs are also a pivotal issue. A modern method of renewable energy recovery is mapped by microbial fuel cell. It's like a bio reactor that converts the chemical energy into electricity by using bacteria. However expensive and toxic materials needed to run the electrons from the bacteria to the electrode. Because of high initial cost and low output, government and private companies are not investing money in this sector. In this paper we are working to minimize the cost by using different types of chemical elements with a brief overview of microbial mechanism. We have also implemented a practical model and discussed about the actual data we found from the prototype. | |