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Usage of Cyanobacteria in battery: Saving money, enhancing the storage capacity, making portable, and supporting the ecology

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The main objective of this paper is to save money, environment, control global warming, and store more energy in small area with very light weight and thin battery made up of Cyanobacteria, which makes it comfortable to carry. Cyanobacteria is a special type of bacteria that produces different types of extracellular glucoses and oxygen with the help of less sunlight, water and carbon dioxide and can survive in fresh water, marine and in the land as well. Carbon dioxide mainly contributes to global warming. This battery made up of Cyanobacteria is more effective to reduce carbondioxide and stops global warming. The bacteria grow faster than plants in less interval of time and help to produce more oxygen with glucose by using carbon dioxide. The glucose produced by Cyanobacteria helps to produce sugar power fuel cells, which have 10 times more storage capacity than lithium battery. Therefore, we can use different types of glucose produced by Cyanobacteria. Glucose is treated with enzyme to produce energy. This produced energy is stored in sugar fuel cell. This stored energy can be used in any place easily if needed. In this way, we can produce energy from the Cyanobacteria and use it in battery for different benefits. In addition, due to the mass, size and easy cultivation, it is better to maintain the size of battery. Hence, we can use Cyanobacteria to make battery having suitable size, portability, high storage capacity, and so on.

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