

RESEARCH ARTICLE

Assessment of different types of waste water formulations with cattle dung for generation of electricity.

■ SHIVARAJKUMAR M. ARIKATTI, M. MAHADEVA MURTHY, MOHAN RAJU, D. RADHAKRISHNA AND T.K. NAGARATHNA

Article Chronicle:

Received:

02.03.2013;

Revised:

16.04.2013;

Accepted:

16.05.2013

SUMMARY: Electricity generation through microbial fuel cells using different types of waste water formulations with cattle dung was studied. This experiment revealed that, in Microbial Fuel Cell (MFC), among different types of waste water formulations made with sterilized cattle dung slurry, it was found that, biogas slurry was producing stable and maximum voltage followed by sewage waste water.

HOW TO CITE THIS ARTICLE: Arikatti, Shivarajkumar M., Murthy, M. M. Mahadeva, Raju, Mohan, Radhakrishna, D. and Nagarathna, T.K. (2013). Assessment of different types of waste water formulations with cattle dung for generation of electricity. *Asian J. Environ. Sci.*, **8** (1): 33-35.

Key Words:
Biogas, Cattle dung
slurry, Microbial fuel
cells, Sewage waste
water

Author for correspondence:

M.MAHADEVAMURTHY

Department of Foresty and Environmental Science, University of Agricultural Sciences, GK.V.K., BENGALURU (KARNATAKA) INDIA

See end of the article for Coopted authors'