

## Abstract Details

**Title:** An Experimental Analysis Of Production Of Biogas From Algae In A Floating Digester

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**Abstract:** The Threat Of Decline Of Fossil Fuels Due To Continuous Use, Change In Climate Conditions And Search For Alternate Resources Points Towards Bio-Fuels. Use And Production Of Biogas Is One Of Them. But Production Of Biogas Depends Upon Types Of Waste And Food-Crops Used. To Reduce The Dependency On Food Crop For Bio-Fuels, There Is A Need Of Energy Crop E.G.; Rapeseed Methyl Ester, Maize, Jatropha And Algae Are Some Options Which Can Help In This Direction. Algae From All Of These Have Some Attractive Characteristics Like High Lipid Content, High Yield Of Biomass, Low Area Requirements. So Production Of Biogas From Algae Is A Good Option For Sustainable Production Of Bio-Fuel From An Energy Crop. Biogas Is The Bio-Energy Derived From Biomass. It Has Potential To Reduce The Effect Of Climate Change By Absorbing Carbon Dioxide During Biomass Production Period. It Has Possibilities Of Being Integrated Into Existing Infrastructure And Is One Of The Few Renewable Technologies Which Can Satisfy An Array Of End Use Energy Requirement. This Paper Highlights A Unique Method Of Assessing The Potential Of Bio Energy From Algae Biomass By Producing Biogas, Observing The Hurdles And Their Remedies. So By Removing These Difficulties For Production Of Biogas Is A Better Choice For Bio-Fuels. With The Concept Of Getting Energy From Pure Energy Crop (Algae), It Is A Good Initiative In The Direction Of Bio-Fuel Production.

**Keywords:** Algae, Biogas, Bio-Fuels

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