For Pure Life

Ali , Ibrahim

Nafe, Mohamed

Our project is about used the Garbages and sewages water to generate electric and methane gas and treatment the sewages water to use in watering the plant and produce fertilizers to the plant to gross fast First we but two filters by different size first filter is removed the larger materials like plastics or stone that is in the sewage water and second one is used to filtering the organic wastes that exist in the sewage water and but this organic wastes in the tank with the organic wastes that are in the Garbage and prevent oxygen from them the organic wastes produce methane gas after that the sewage water then prevent from the organic wastes and can flow to generate electric from the cross flow turbine and produce electric we modified to the cross flow by cover it by plastic layer to save it from erosion and can live more time after that he sewages water enter to the tank from aluminum pipe and used the electric to evaporates this water and the water vapor pass from the upper aluminum pipe we put between the two aluminum pipe dives call Peltier and it work to absorb the different in temperate and convert it to electric energy and used this electric in heater to evaporate the water and used the organic materials after produce methane as fertilizer in the plant

Awards Won: