

Recycling of Organic waste

Falah H. Hussein*

Department of Chemistry College of Science, University of Babylon Iraq

Corresponding Author: Falah H. Hussein. Department of Chemistry College of Science, University of Babylon Iraq, E-mail: abohasan_hilla@yahoo.com

Received date: March 7, 2021; **Accepted date:** March 21, 2021; **Published date:** March 29, 2021

Editorial

Organic waste are often used for something useful, like compost, feed pellet, biomass pellet, and briquette. Before becoming such things, it takes a tool to form it smoother, called a crusher. The target of this work is to try to mechanical design and 3-D modeling on organic waste crusher. The steps for designing the organic waste crusher involve determining a conceptual physical geometry, conducting mechanical design, and eventually, developing a 3-D working drawing. Manufacturing and testing of the crusher were conducted. 3-D modeling design was used for visualizing space requirements, improves drawing efficiency and accuracy. Mechanical design was applied for hopper, frame and blade. 3-D modeling process was went to draft the working drawing of an organic waste crusher. 3-D designing is extremely useful for providing accuracy. Mechanical design of designed crusher decided. The working drawings of designed crusher also are presented. The leaf crushed with the designed crusher was ready for composting.

BinCrusher is nature-friendly equipment, helping you to reinforce the standard of life in terms of hygiene and cleanliness. We being a Manufacturer of garbage Disposers in Mumbai to assist the prevailing driveway to recycle and obtain obviate garbage in an environmentally friendly method, garbage disposer is now fast becoming kitchen appliances in India. This machine is beneficial in home, offices, hotels, schools and even large societies. Our kitchen wet waste crusher shreds all types of garbage like soft bones, eggshells, meat, vegetables, fruits, etc. into tiny pieces during a short time, and everyone these tiny residues can undergo the drain. Our kitchen waste disposal machine has been designed and made using up-to-date technology.

Agriculture is that the major occupation in many parts of the planet and producing a spread of waste waters requiring a variety of treatment technologies and management practices. The essential occupation of 70% of the population in India is majorly hooked in to Agriculture. A spread of crops are cultivated in India. But after harvesting them the crops wastages are either burned-out or thrown as waste without taking into consideration of their nutritive value. With the rise within the population our aim isn't only to stabilize agriculture production but also to extend it further in sustainable manner. Excessive use of agro-chemicals like pesticides and fertilizers over years may affect the soil health and cause declining of crop yields and quality of the products. Hence, a natural balance must be maintained in the least costs for existence of life and property. The apparent choice would be judicious use of agro-chemicals and more and more use of present materials in farming systems. The traditional agro waste disposal may be a traditional and oldest method of waste disposal during which agriculture wastes are dumped because it is to degrade during a particular place for decomposing. Because the waste is dumped, it takes longer to degrade and it causes environmental pollution. Hence the shredder machine is employed for shredding i.e. converting of macro agriculture waste and garbage into small easily decomposable form, which may use as organic manure. The tiny size waste will decompose faster than the massive or macro size waste.

This decomposed waste are often used for the crops and this results in improving within the growth and quality of the crops and also improving the soil chemical properties like supply and retention of soil nutrients, an promotes chemical reactions. Garbage is that the organic material having the high calorific and nutritive values to microbes, that's why efficiency of methane production are often increased. altogether the cities and places, organic waste is dumped or disposed in landfill or discarded, which causes the general public health hazards and diseases like malaria, cholera, typhoid. Inadequate management of wastes like uncontrolled dumping bears several adverse consequences. it's not only polluting spring water and surface through leachate but also promotes the breeding of flies, mosquitoes, rats and other disease bearing vectors. Also, it produces unpleasant odor and methane which may be a major greenhouse emission contributing to heating.