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How can Ghana attain petroleum based plastic to achieve a clean environment?

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Bio plastics are plastics in which all carbon is derived from renewable feedstock. The application of biomass such as starch, cellulose, wood and sugar used to substitute fossil resources for the production of plastics which is widely accepted strategy towards sustainable development. In this way, a significant reduction of carbon dioxide emission. It also helps in the reduction of global warming. Ghana is a country located in the west of Africa, relatively richer in oil and gas resources, and produces about 50,000 tons of plastic waste daily from industries, factories, and households. As a result, the house of parliament has conferred an institution to collect plastic waste for recycling and disposal, but the company do not have the technical capacity and machinery to convert the tonnes of plastic waste into bio plastics. Due to this development, Ghana was recently ranked as one of the dirtiest country in Africa because the mandated company fail to collect the tonnes of plastic waste due to lack of capacity. As an agricultural country, that has been the second largest producer of cocoa in the world, most of the produce are agriculture in nature and for that matter can easily be degraded within shortest possible time. From Ghana statistical service, the country loses about \$1.25 million through indiscriminate disposal of plastic waste and this could prevent Ghana from meeting the sustainable development goals. In addition, Ghana uses about 5 million litres of petrol and diesel daily that has a significant effect on the environment and the health of the citizens. With the introduction of the bio plastics it would help Ghana to reduce the excessive emission of the carbon dioxide and reduce global warming as well. Since Ghana was ranked 5th in Africa that produces and uses polythene in Africa, and experts are of the view that Ghana would be able to easily convert its organic substances into bio plastics.

Biography

Yakubu Musah Muntaka finished his school at St. Peters International School early 1999s and later finished junior high school at kings International School in 2004. He completed high school from Adventist High School. He then moved further to the University of Professional Studies, Accra where he pursued his degree in Business Administration and held various leadership position as the local NUGS President. A year after he worked at National Health Insurance Scheme (NHIS) as an Assistant Administrator and moved to Milito Enterprise Dworwulu as an administrator in May 2015. Two years after he established his own enterprise, YM Ventures which deals with import and export of general goods. Currently he is pursuing Masters Programme in Oil and Gas at the University of Professional Studies, Accra Company.

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