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Innovative solution to problems caused by plastic open burning and bringing tremendous global prosperity and employments

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Abstract

Ameliorating combat of misuse of bio plastic solidification to form tissue, which is a major proportion in agricultural and environment, has been search of present time. Crops harvestable biomass after grain content usually expressed as harvest index is major proportion. The straw: grain ratio is large and major portion is liable to open biomass burning or composting. These two approaches for disposals of the bio tissues, which is basically bioplastic, have been causing environmental air pollution and climate change, which bring important bearing on both health and food quality and sustainability. The situations have been severe in South East Asia viz, Indonesia, Mekong region comprising Thailand, Laos, Cambodia and Vietnam, NCR Delhi as well as almost all part of the world, where paddy growing is major food crop cultivation. While lot of surveys have been done with use of GPS and aerial photos to determine the extent of problem and severity, there has been lack of any feasible and effective control method. Developments of feasible method to overcome the environmental and agriculture related problems stand unsolved.

In the present study an innovative solution for eliminating both the problems cited above and converting waste tissues in to black gold-bio-char has been developed. The bio-char is useable in more than ten different areas viz environment, atmospheric pollution control indoor air decontamination, agriculture, food industry, improving land sustainability and simple way to enhance useful carbon sequestration, drinking water treatments waste water treatment, storage of gas and electrical energy, pharmaceuticals, chemical and smelting industries, , catalyst and catalyst carrier and auto industry, Huge demand exists globally for forestry that puts pressure on nations' land resources. Use of bio-char in environment and agriculture will revert the global process of carbon sequestration, climate change, eliminate degradation of land for which ecologist specify keeping one third of global land resources under forest for eco restoration. New technology- reformed bio-plastic (bio wastes) in to biochar has potential to eliminate problem and bring tremendous prosperity and employment in the world.

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