African Journal of Food science and Technology (ISSN: 2141-5455)
Vol. 11(5) pp.01-02, December, 2020 Available online
@https://www.interesjournals.org/food-science-technology.html
DOI: 10.14303/ajfst.2020.20

Short Communication

Effect of food packaging material on the environment

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Food packaging plays a primary role in ensuring safety within the food supply. Advanced in food processing and packaging are drastically increasing to confirm that food safety standards are met. Packaging maintains the advantages of food processing after the method is complete, and without causing harmful effects to those that consume the food. It also allows food to maneuver from the purpose of production to the purpose of consumption while it remains intact despite the long busy distance. In other scenarios, food processing industries use packaging as a tool of promoting operation. The packages are wont to brand the firm or advertise it in how. Sometimes packages enhance the looks of a product and make it more appealing to a consumer.

Attaining and Equilibrium

Packaging technology needs to balance between different issues to stay with regulations. Such include food protection with other aspects like heightened social and environmental consciousness, energy and material cost, and strict controls on pollutants furthermore because the disposal of municipal solid waste. They also protect food like meat from microbial contamination and other sensitive foods from light, physical damage or chemical changes.

There are many sorts of materials used for food packaging, and a few include foil, laminates, coated sheets, films, metals, plastics, traditional, and papers. These things degrade differently while some don't degrade in the slightest degree. Here you may study how these food packaging materials affect the environment and more useful information on the topic.

Impact of Food Packaging on the Environment

Environmental degradation caused by food packaging materials isn't a brand new topic. Some materials like plastic are dumped almost everywhere causing an adverse effect to the ecosystem. As crucial packaging are, they pose a major threat to the environment.

Packaging creation requires the consumption of natural resources and hence destroying a number of the unexpecting animal's habitats. Some companies also don't regrow a number of the natural resources they exploit just like the trees.

The process of making these packaging materials also degrades the environment, as toxic gasses are introduced into the air. If these processes aren't controlled the air will get more toxic. Sometimes these packaging wastes are

dumped irresponsibly causing pollution the environment, and a few of those wastes don't degrade the least bit. Forest resources are commonly used for packaging materials like wood and paper.

Contentious unrestricted consumption of forest resources will undermine its growth balance. An undermined growth balance will cause norms like erosion, desertification, water shortages and a series of ecological problems.

Non-degradable packaging materials stay around for an especially while, these materials may vary, but their effects are the identical. Such packaging destroys the soil components still as other components of the environment via atmosphere and aquatic systems.

The soil is crucial since it’s used for agriculture, if affected it might result in food insecurity. Food packaging materials aren't only harmful to the environment but also to other animals.

Packaging waste irresponsibly dumped could also be ingested by other animals causing their demise. Waste dumped within the ocean creates an enormous degrading to the environment and also the creatures living within the sea, and also the waste might affect the mating seasons.

Waste management approach

The effects of food packaging on the environment are quite adverse, and proper waste management is crucial to guard human health and also the environment and to preserve natural resources. A number of these practices include

Source reduction is entails using less packaging, designing products that last longer further as reusing products and materials. Source reduction also reduces the quantity and toxicity of the waste by changing the look, purchase, manufacture or use of the initial material and products.

Combustion this may be considered because the controlled burning of waste during a designated facility. Combustion is preferred to materials which can't be recycled or composted. Combustion is advantageous since it is accustomed create waste-to-energy facilities. The combustion incinerators are often equipped to provide steam which is employed for providing heat for generating electricity thus waste-to-energy combustors.

Composting though considered in other places as recycling, composting is that the controlled aerobic or biological degradation of organic materials.

Composting may be a valuable alternative to waste disposal. Composting as a process involves positioning organic materials into piles and providing enough moisture for aerobic decomposition by microorganisms.

Land lifting as a process it gives environmentally sound way for disposal of any remaining municipal solid waste, and also the residues of recycling and combustion operations.