

Technology Transfer

Area of Technology: Mechanical/Chemical Engineering

Title of the Innovation: ECO GAP FILLER

Brief About Innovation

Now days when people are going to any parties or function, the plates which are used for serving food is made up of polystyrene. Even the cups which they used to serve tea is also made of polystyrene material which is non-biodegradable and to decompose this material, people usually throw it in the sewage, dump it in land or throw it in water bodies which in turn pollute our environment and are 15 injurious to the fauna present in water. The food and drink vessels made of polystyrene material has several limitations such as low surface area coverage, time taking process for manufacturing, short life span and non-friendly to environment.

Salient Features:

- The principal object of the present invention is to provide a process to manufacture an eco-friendly and biodegradable food and drink vessels comprises of propanone, methylbenzene, polystyrene and fillers.
- Another object of the present invention is to provide 5 process to manufacture an eco-friendly and biodegradable food and drink vessel, which is applicable to manufacture the vessels.
- Another object of the present invention is to provide process to manufacture an eco-friendly and biodegradable food and drink vessels, which has high 10 temperature resistance, uses solid waste material as raw material and is comparatively less expensive than the existing technologies.
- These and other objects of the present invention will be apparent from the drawings and descriptions herein. Every object of the invention is attained by at least one embodiment of the present invention.