A Study on Recycling of Waste Tire Materials

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***Abstract*— With urbanization on the rise, one of the major waste products which accumulate the landfills is waste tires. They are non-biodegradable, and any conventional method used to disintegrate the tires, be it burning or any other method, leads to pollution of many kinds. With the problem reaching a global environmental concern, different ways or techniques are being researched for obtaining reusable products using waste tires.**

**This paper reviews the different methods used to recycle the waste tires generated all over the world, in such a way that they do not affect or harm the environment and can be used, either for making new products or for increasing the durability and strength of the preexisting materials. Application of waste tires in infrastructure, alternate fuels, aromatics, steel making, and other uses have been discussed in this paper. A brief discussion regarding the feasibility and cost effectiveness of these methods have also been conducted to enhance the knowledge of complexities in using these recycling methods.**

Keywords— Waste Tire, Recycling, Crumb Rubber, Environmental Hazard,