

Viabie use of rubber waste in concrete to reduce environmental pollution

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Solid waste management is one of the major challenges in the modern era. Solid domestic waste is dumped on low lying ground, and then it is burnt to reduce its volume to lengthen the life span of the dumpsite. However, these practices could be hazardous to environment; therefore, scientists have explored new ways to effectively manage these wastes. Tyre wastes have no exception; it can not be readily recycled or reused. They are dumped in open grounds round the world. In Pakistan they pose a bigger threat as they are burned, which results in emission of harmful gases in the atmosphere. So, it is necessary to reuse these rubber wastes to reduce environmental pollution. Rubber wastes can be used in concrete as a partial replacement of aggregates resulting in lightweight concrete. Using rubber waste in concrete enhances the impact resistance, thermal and sound insulation at affordable strength. This piece of article reviews the viable use of rubber waste in concrete industry to solve the problem of disposal of rubber waste.