



A Case study approach on Municipal Solid Waste generation and its impact on the soil environment in Dharapuram Municipality, Tamilnadu, India

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Abstract: The increasing level of municipal solid waste is a serious problem in the urban and rural areas. A high rate of growth of population and increasing per-capita income have resulted in the generation of enormous municipal solid waste and it posing a serious threat to entire environmental quality and human health. However, due to the limited resources and precise regulatory guidelines, the treatment and disposal of solid wastes in an effective and appropriate manner is grossly inadequate. In this paper, Dharapuram Municipality was selected and conducted a case study about the solid waste generation and its adverse impacts on the soil environment in and around the dump yard. The physico – chemical characteristics of solid waste and soil samples were analyzed based on standard procedure. It was observed that the present management systems of municipal solid waste are inadequate and irregular. However, municipalities and other organizations are making efforts for managing the waste generated in Dharapuram Municipality. The present paper summarizes the current situation of the solid waste generation and the soil quality of Dharapuram Municipality, Tamilnadu, India.

Keywords: Solid Waste, Soil, Parameters, Heavy Metals, Municipality, Population.

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