

**ANALYSIS OF THE HEALTH PROBLEMS AND DELETERIOUS EFFECT ON  
ENVIRONMENT DUE TO BHALSWA LANDFILL SITE, DELHI:  
USING GEOSPATIAL TECHNIQUE**

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**ABSTRACT**

The Bhalswa Landfill site is located in the northwestern part of Delhi and it is the capitals largest landfill site, which receives approximately 2700 tons of waste material every day. The landfill has already reached to its full extend in 2006, but due to population increase and no alternative site, Delhi is still using it as a dumping ground. The people residing near the site are suffering from various health problems and spontaneous fires are becoming more frequent during summer seasons. The ground water is highly contaminated in the area. The Remote Sensing and GIS techniques are very used full in analyzing the changes and show spatial effect on both human being and the environment. The result of this study indicates that there is a population increase in these areas and the health problems are becoming a serious problem, which can only be tackled by using good combustion practices by the way of incineration technology.

**KEYWORDS:** Bhalswa Landfill, Remote Sensing and GIS, Environment, Population