

# Assessment of textile effluent discharge on soil quality in Pali district of Rajasthan

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■ **ABSTRACT** : Pali has the largest number of dyeing and printing units in the Bandi basin. According to joint survey of District Industries Centre (DIC), Pali and Pollution Revenue Association in the year of March 2008, 1325 registered units were engaged in cotton and synthetic textile processing operations. The dyeing and printing industry is the major source of livelihood in this region. These industries provide substantial contribution to the economy in the form of income and employment generation. The key issue of concern is that the textile dyeing and printing industries located in Pali town are discharging industrial effluents into the river Bandi, thus, severely contaminating both the river as well as the soil of nearby areas. Disposal of industrial waste is the major problem responsible for soil pollution. Textile effluents discharged from various textile processing units of Pali, flows about 55 kilometer downstream causing adverse effect on soil making it barren thus affecting crops productivity in those areas.

■ **KEY WORDS**: Soil, Pollution, Textile, Processing, Effluents

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