

Impact of Industrial Effluent Discharge on Plant Species Diversity and Soil Quality – A Case Study in Haryana

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Abstract: *Industrialization in Haryana has significantly contributed to economic development but has also increased environmental pollution. Discharge of untreated industrial effluents has adversely affected soil fertility & plant biodiversity. This evaluates ecological impact of industrial wastewater contamination on soil physicochemical properties & plant species diversity in selected industrial regions of Haryana. Results indicate that effluent contamination leads to heavy metal accumulation, increased salinity, reduced organic carbon and biodiversity loss. The study emphasizes sustainable industrial waste management and environmental monitoring.*

Keywords: Industrial effluents, Soil physicochemical properties, Heavy metal contamination, Wastewater irrigation impact & Plant biodiversity loss

