

# An Analysis of Soil Contamination with Heavy Metals

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**Abstract:** *Low-contamination heavy metal toxicity persists. Metal poisoning may cause chronic illness. Traffic, industry, electricity, oil, garbage, construction, destruction, and re-suspension affect urban soils. Roadside dirt is dirtier than park, farm, or field soil, therefore biosphere soil composition varies. This is shown in Delhi's industrial and automotive expansion. Urban soil may reveal heavy metal contamination's origins, distribution, and extent. Health dangers from soil research. As investigated, climate and atmosphere affect soil chemistry. Ratio changes reduce soil fertility and quality. Human pollution, Earth origin, and parent rock affect metal concentrations. [1]. Human-introduced metals in metamorphic rocks enhance agricultural soil and surface/ground water heavy metals. Plant and soil heavy metal ratios vary. [3]. Woods soil contamination decreases with less human activity. Heavy metal-laden mining soils are dangerous. Heavy metal changes soil. [15]. Environmental pollution study varies by climate, urban, rural, and global. Rock and marine iodine and carbonate concentrations depend on temperature, crustal iodine distribution, soil water surface, and clay/shale mica proportion. Numerous studies link natural resource chemical composition to pollution. [5]. [6]. BIS specifies Indian drinking water as IS: 10500. Ranipet industrial area, Tamil Nadu, surface water heavy metal distribution. Environment ferrosol heavy metals sewage waste Metal and water/soil traces harm Earth. [10,11]. Many biological functions benefit from metals.*

**Keywords:** Soil contamination, Heavy metals

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