



Physico-Chemical Characteristics of Soil in Shahdol District of Vindhya Platue

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ABSTRACT

Soil samples were collected from 5 Tahsil, 2 Industrials Place, 6 Crop field and 7 Villages in Shahdol District. The soil characterization was carried out for physico-chemical parameters like Temperature, pH, particle size distribution (Sand, Silt, Clay), organic carbon (OC), Nitrogen (N), Phosphorus (P), Exchangeable Cation (Na⁺, K⁺, Ca⁺⁺, Mg⁺⁺) and heavy metal like Lead, Chromium, Copper, Iron, Nickel, Copper etc. Conventional analytical method were employed for the determination of these physico-chemical parameters while heavy metals in the soil samples were analyzed using atomic absorption spectrometer. In the present study Mg⁺⁺ was not detected in five sampling Station (E2, E5, E12, E15 and E17). Pb and Cu were found within the recommended level during all the season. Statistical Analysis was used in this work.

Keywords: Diffuse pollution, Heavy Metals, Soil, Statistical analysis, Shahdol District, Vindhya Platue.
