

## **Estimation of Pb and Zn concentration from highway side agricultural soil in district Allahabad**

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**ABSTRACT:** Estimation of Pb and Zn concentration from the highway side soil has been studied by the analysis of soil sample. This study aimed at understanding the contamination trends of heavy metals on soils due to vehicular emissions. The concentration levels for Pb in soil sample were from 0.77 mg/kg to 3.19 mg/kg and Zn in soil was from 6.66 mg/kg to 14.1 mg/kg. Higher content of heavy metal have been observed on soil samples in 10m distance and minimum observed in 30m distance. This study indicated that the heavy metal contents decreased with increasing distances from the highway. The concentration of the heavy metals suggested that vehicular and traffic activities are a major source of these metals in the roadside soil within the study area.

**Key Words:** Heavy metals, national highway, soil and vehicular pollution.