

## **ABSTRACT**

The concentration of heavy metals in roadside soil of Lahore city roads by the flame atomic absorption spectroscopy (FAAS). The analysis report for the concentration of heavy metals in the roadside sample of Lahore city road showed that Mall Road, Canal Road, Jail Road and Sagiyan Bypass are with higher deposition of heavy metals such as chromium, nickel and lead. According to the analysis report that Mall road and canal road roadside soil have chromium, nickel and lead 32.58 mg/kg and 20.16 mg/kg), (22.72, 23.14 and 15.82 mg/kg) and (07.22 and 8.62 mg/kg) respectively. Cadmium was found at Sagiyan bypass and mall road 0.61 mg/kg, 0.76 mg/kg respectively. Jail road soil samples found with high range of Arsenic 1.07 mg/kg. These result shows that the high traffic in Lahore city polluting the atmosphere at serious level. The higher level of lead, chromium and lead is harmful for the atmosphere and living environment.

Key words: Heavy Metals; Acid digestion method; Flame Atomic Absorption Spectroscopy (FAAS); Roadside Soil; Lahore City Roads.