

# ABSTRACT

Air pollution is the burning issue of this mechanical age because it is directly effecting the human life in urban areas.

In this study an attempt has been made to assess the concentration level of particulate matter at fine hot spots of Lahore city viz; Railway Station Chowk, Bhati, Chouburji, Yateem Khana Chowk and Model Town (Reference point). The analysis of air samples for toxic metals like Pb, Cd and Hg was carried out by Atomic Absorption spectrophotometer. A sociodemographic study of the hot spots was also carried out to assess the human exposure to P.M. and its health effects.

Average P.M. concentration range from about  $197 \mu\text{g}/\text{m}^3$  at reference point to values of  $1318 \mu\text{g}/\text{m}^3$  at most polluted spots. The Federal Standard for P.M. is  $150 \mu\text{g}/\text{m}^3$  of air over 24 hours. Such high levels of P.M. attributed to many respiratory diseases in the exposed population.