



## Ambient Air Quality Status in an Industrial Area of Raipur City in the Year 2015

Deepak Sinha\*

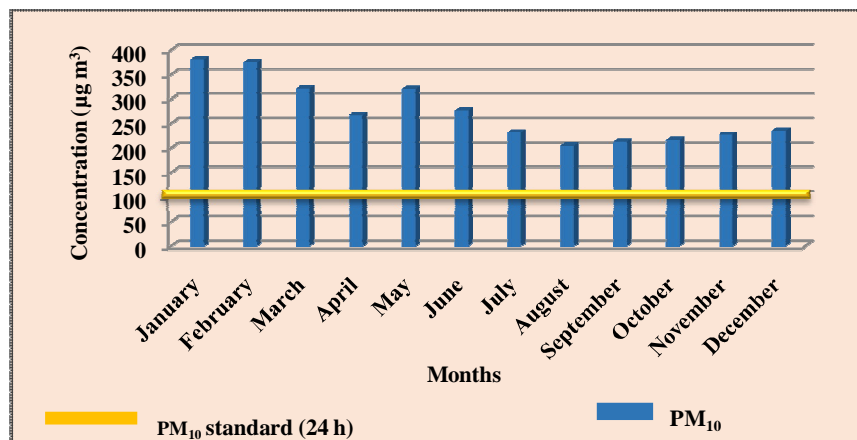
Department of Chemistry, Government Nagarjuna Post Graduate College of Science,  
Raipur- 492010, Chhattisgarh, **INDIA**  
Email: [drsinha333@gmail.com](mailto:drsinha333@gmail.com)

Accepted on 11<sup>th</sup> May, 2018

### ABSTRACT

Urban air pollution and its impact on air quality is a world-wide problem. Due to rapid urbanization and industrialization, the air pollution has been recognized as a serious problem which has impacts both on environment as well as human health. The air pollutants like  $PM_{10}$ ,  $SO_2$  and  $NO_2$  were studied for a period of one year i.e. from January 2015 to December 2015. On the basis of the study, it was found that the concentrations of the various air pollutants were higher in winter season due to slow dispersion of pollutants in winters and lower in monsoon season. The heavy transport, various industrial emissions, road dust, biomass burning, etc. used for cooking and other domestic purposes are the main causes of deterioration of the environment. The government should take necessary regulatory steps to reduce the ambient air pollution.

### Graphical Abstract



Average Concentrations of  $PM_{10}$  with NAAQS standards.

**Keywords:** Particulate matter, Nitrogen dioxide, Sulphur dioxide, Health Impacts.