Evaluating PM2.5 Trends in Industrial Cities of China via Source Apportionment Studies: A Review

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**Abstract:**

Economy of China has grown rapidly over the last few decades. Due to rapid industrialization, various pollutants such as Organic Carbon, Elemental Carbon, SO2, CO, NO2, O3, Particulate Matter 10 and 2.5 are being released into the atmosphere. Among them, PM 2.5 is of major concern. PM2.5 severely impacts human health and the environment by reducing visibility, photochemical pollution, and cloud formation. It causes eye irritation, breathing disorders, cardiovascular diseases, cancer, and premature deaths. Sources of PM2.5 be both, indoor and outdoor such as fossil fuel, industry, biomass burning, traffic, and dust. This paper highlights the source apportionment of PM2.5 concentration in different cities in China from 2012 to 2023. It also examines the change in the contribution of various sources with years and their linkage with policy-based interventions relevant to that source/sector. Lastly it presents the recommendations based on analysis of our research.

**Outline**

**Abstract**

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* Contextual Background
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* Receptor Models
* City Wise Explanation

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1. **Scenario of PM2.5**
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