

عنوان مقاله:

Comparison of ozone concentrations in different seasons and its association with temperature and relative humidity in Tehran, Iran

محل انتشار:

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خلاصه مقاله:

Ozone is one of the major pollutants in industrial and contaminant Cities. In this study, ozone levels in different seasons and the effect of temperature and relative humidity on its concentration has been studied. The results showed that there was significant difference in the concentration of ozone in winter and autumn, while was not observed such a relationship in spring and summer. The highest and lowest concentrations of this pollutant occurred in summer (46.6ppm) and winter (29.8ppm). On the other hand, air temperature in winter, spring and summer has a significant positive impact on the ozone concentration, however, such a relationship was not observed in the autumn. Also, it was found that the relative humidity has a significant negative correlation with the amount of ozone in winter and spring. According to the findings, the concentration of ozone in Tehran is higher in Warm seasons Compared with cold seasons.

کلمات کلیدی:

ozone, temperature, relative humidity, correlation, pollutant

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