

عنوان مقاله:

Air quality assessment and its zoning for Tehran's regions by considering PM2.5

محل انتشار:

دومین کنفرانس بین المللی پژوهشهای نوین در علوم کشاورزی و محیط زیست (سال: 1394)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

The highest concentration of particulate matter in the industrialized areas comes from anthropogenic activities such as industrial combustion processes and traffic-related emissions. PM2.5 is one of the pollutants that is reported by EPA, and its epidemiological studies have documented the adverse public health effects. Control of PM2.5 considers as a pivotal task in environmental management. Since the air quality considering PM2.5 varies over space and time, this research is based on the concept of the Air Quality Index (AQI). This study presents results of zoning air quality, considering PM2.5 for Tehran's regions based on the AQI calculating method application and the levels of health concern in the year 1393 (according to Iranian calendar). The results indicate that in spring the most favorable health condition compared with other seasons happened. The zoning maps determine the unhealthy condition in the central regions of Tehran during winter and summer more than the other seasons.

کلمات کلیدی:

Air pollution, PM2.5, Zoning map, AQI, Tehran's regions

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<https://civilica.com/doc/483691>

