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Measurement of Atmospheric Ozone Concentration Using Passive Sampler Method in Konya City Centre during 2011-2012 Winter Period

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Abstract: In recent year passive sampling of gaseous pollutants have received considerable attention. Passive samplers, mostly for ozone (O_3) have been widely used for ambient monitoring in Europe, North America and at a global scale. Among various types of O_3 passive samplers has been probably the most commonly used in the United States. Passive ozone samplers provide a low-cost alternative for the monitoring of ozone on a weekly basis. The samplers require no power, have a simple deployment system and take only a few minutes each week to Exchange samplers. Their main uses are in determining trends, getting base-line conditions, and for mapping distributions of ozone over space. This low cost alternative for ozone monitoring, passive ozone samplers was studied extensively prior to initiation of a routine monitoring network using the devices. Two weekly ozone doses are measured in the around primary school highlighted on the map. Measurements were performed during 4 periods that no any data was not over the Turkish Air Quality Limits.

Keywords: *Passive Sampler Method, Atmospheric ozone (O_3), Konya, winter.*

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