

### عنوان مقاله:

Levels of PMIo, PMI.and PMI and Impacts of Meteorological Factors on Particle Matter Concentrations in Dust Events and non Dusty Days

### محل انتشار:

مجله بين المللي مطالعات سلامت, دوره 1, شماره 3 (سال: 1394)

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### خلاصه مقاله:

Background: The aim of study was to measure particle matter concentration (PM1, PMY.a and PM1.) during normal, semi-dust and dust-event days. The impacts of some meteorological factors on particle matter concentrations were also investigated. Methods: Samples were collected by Grimm aerosol technik (GmbH model 1/10A Germany) from November Yoll to May Yolf. Temperature, humidity, wind speed and UV index were obtaind from the website (www.Weather.ir).Results: The concentration of particulate matter PM1, PMY.a, PM1o in dust event days was 1o, ۶ and ۲ times higher than normal days, respectively. The highest concentration of particle matter was February in winter. There was significant relationship between the particulate matter concentration with temperature and wind speed (P<...Δ).Conclusions: The concentration of particulate matter affected by traffic, crowded, humidity and temperature. These factors increased particulate matter concentration specially when was with inversion. Background: The aim of study was to measure particle matter concentration (PM1, PMY.a and PM1.) during normal, semi-dust and dust-event days. The impacts of some meteorological factors on particle matter concentrations were also investigated. Methods: Samples were collected by Grimm aerosol technik (GmbH model 1/10A Germany) from November Yoll to May YolY. Temperature, humidity, wind speed and UV index were obtaind from the website (www.Weather.ir). Results: The concentration of particulate matter PM1, PMY.a, PM1. in dust event days was 1., F and Y times higher than normal days, respectively. The highest concentration of particle matter was February in winter. There was significant relationship between the particulate matter concentration with temperature and wind speed (P<...a). Conclusions: The concentration of particulate matter affected by traffic, crowded, humidity and temperature. These factors increased particulate matter concentration specially when was with inversion

# كلمات كليدى:

لینک ثابت مقاله در پایگاه سیویلیکا:



