

(AQI)

knadafi@tums.ac.ir :

// : // :

(PM PM₁ PM_{2.5})

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(Environmental Dust Monitor) GRIMM 107

(ANOVA)

($p < /$)

/ $\mu\text{g}/\text{m}^3$ / $\mu\text{g}/\text{m}^3$ / $\mu\text{g}/\text{m}^3$ PM PM₁ PM_{2.5}
/ $\mu\text{g}/\text{m}^3$ / $\mu\text{g}/\text{m}^3$ / $\mu\text{g}/\text{m}^3$ PM PM₁ PM_{2.5}

(NAAQS) () (PM₁) (PM_{2.5}) USEPA

% %

(AQI)

/

PM₁

(AQI) PM₁ PM_{2.5} (PM)

(PM)

) PM PM / PM

) (/
(PM /

PM

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(Sharma and Maloo 2005)

PM (ultafine)

Krzyzanowski 2008;)

(Krzyzanowski 2008; WHO 2006)

(WHO 2006

()

World Health Organization Project)

(2004

(PM)

PM

(de Kok et al. 2006)

Borrego et al.)

(2006

(NAAQS)

(TSP)

NAAQS

(PM₁₀)

TSP

PM

EPA

%

EPA

(Wellenius et al. 2006) %

%

%

PM

(PM₁₀)

(Fang et al. 2005)

(EPA 1997a)

EPA)

(2006

(<)

/

PM₁₀

PM

(PM₁₀)

PM

PM₁₀

PM

PM

(EPA 2007)

PM

PM

PM

PM

%

de)

PM

%

(Kok et al 2006; Van Der Zee et al. 1998

EPA

(Kermani 2003)

U.S. EPA Mohammadi Moghaddam 2007)
(1998

PM / PM

Environmental Dust Monitor

Envirocheck 107

PM PM / PM

//)

EPA

(/ /

(Excel SPSS)

Microsoft Excel

(Mohammadi Moghadam 2006)

SPSS

One-way ANOVA

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(Light-scattering)

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/

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EPA

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PTFE

(Kermani 2003)

PM (EPA 1997b) $\mu\text{g}/\text{m}^3$

EPA PM₁₀ $\mu\text{g}/\text{m}^3$

(EPA 1997a) PM₁₀

(EPA 2006) $\mu\text{g}/\text{m}^3$ EPA (PSI)

(U.S. EPA) (AQI) (PM₁₀)

PM₁₀ EPA AQI

(PM₁₀ PM_{2.5} PM₁)

($p < /$)

) PM

(EPA

()

PM EPA

(EPA 2007)

EPA (PM₁₀)) PM₁₀ PM

(USEPA) / /

Chaloulakou et al. 2003; Houthuijs et al.)
(2001

(EPA 2006)

(PM)

()

(AQI)

(PM)

(Harrison and Yin 2000)

PM₁₀

(AQI)

(PM₁₀)

(ANOVA)

($p < 0.05$)

USEPA (NAAQS)

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(PM₁₀)

(PM₁₀)

EPA ()

PM₁₀

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Houthuijs et al. 2001;)

(TSP)

(Manalis et al. 2005

(PM₁₀)

)

(TSP

(AQI)

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\pm	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	
/ \pm /	/	/	/	PM
/ \pm /	/	/	/	PM ₁₀
/ \pm /	/	/	/	PM
/ \pm /	/	/	/	PM
/ \pm /	/	/	/	PM ₁₀
/ \pm /	/	/	/	PM

PM₁₀ PM_{2.5} (AQI)

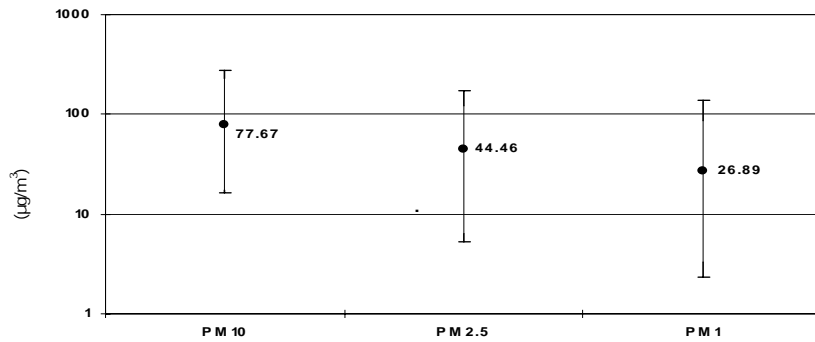
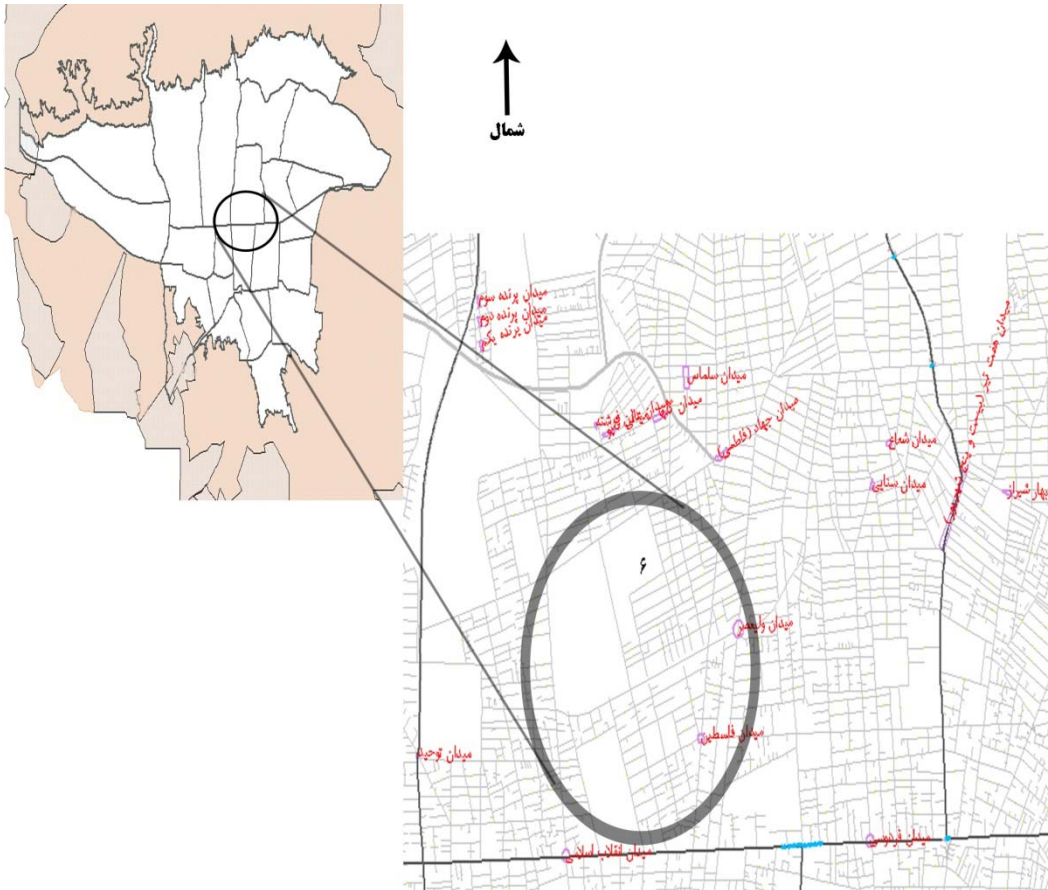
(AQI)

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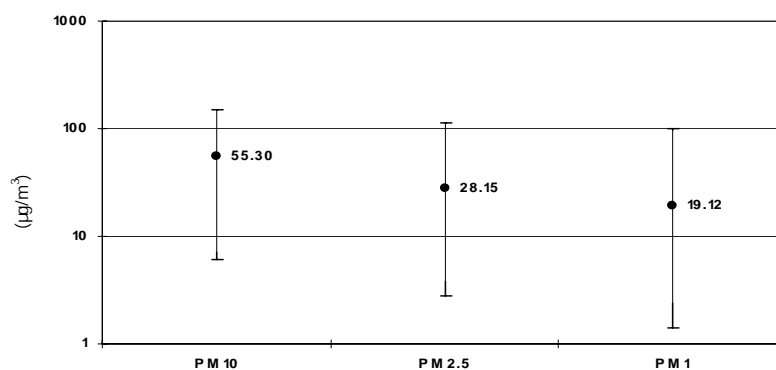
PM₁₀ PM_{2.5} (AQI)

(AQI)

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PM PM / PM



PM PM₁₀ PM_{2.5} PM₁

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