

() , ()

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*

(// : // :)

()

OC : μm

(Eladia et al., 2005)

(Neider and Benbi,

(Lal et al.,

CO₂

.2008)

.1999; Six et al., 2002; Lufafa et al., 2008)

(FAO, 2004; Bernoux et al., 2006)

(Bohn et al., 2001)

(Brady and Weil, 1999; Merino

et al., 2004)

(Marschner et al., 2008)

(Evah et al, 2007)

(Izaurrealde and

.Cerri, 2006)

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ahaidari@ut.ac.ir :

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()

)

(Six et al., (.2002)

.(Samavat et al., 2008)

.(Meunier, 2005)

(Daniel and Gregorich, 2006; Neider and Benbi, 2008; Gregorich et al, 2006)

Xeric-

Aridic-Thermic

.(Dezvareh, 2008)

Mesic

DEM

Arc-

GIS

.(Leifeld et al., 2005)

.(Christensen, 2001)

x x

(2002) USDA

(2006)

.(Elliott and Cambardella, 1991)

(Elliott and Cambardella, 1991; Daniel and Gregorich, 2006)

pH

.(Christensen, 2001)

.(Page et al., 1986; Page et al., 1982)

(Kanze and Dixon, 1986)

NaOH .(Kendra et al., 2004)

.(Schnitzer, 1982)

CO₂

μ / mm mm
/ / (F2) / (F1)
/ (F4) / / (F3)

.(Elliott and Cambardella, 1991)

HCl

(F5)

(Tan, 2003)

GLM SAS

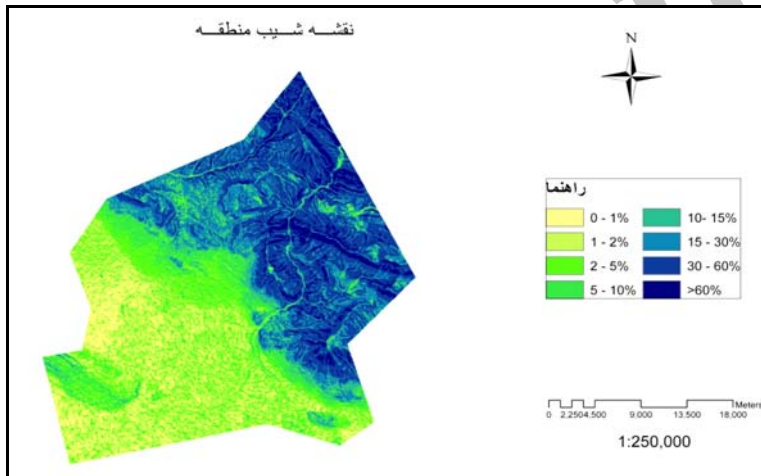
/ NaOH

DEM

RPM

()

pH



P2 P1 C/N

()

(Soil Survey Staff,

()

2010)

P6 P2

F4

(/) F5

/

/

()

SAS

F3

F5

()

()

p < /

F1 F2

F5

F1

F5

C/N

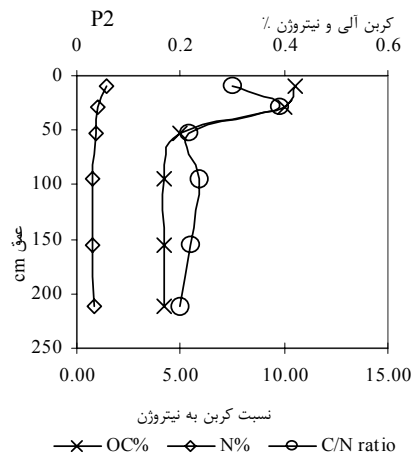
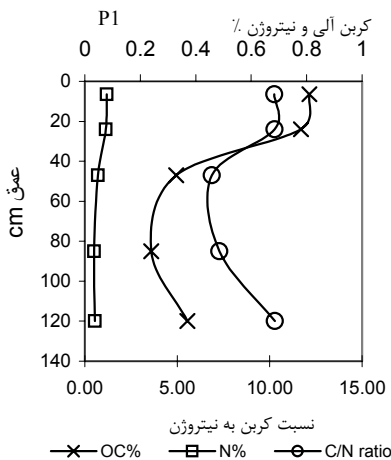
F5

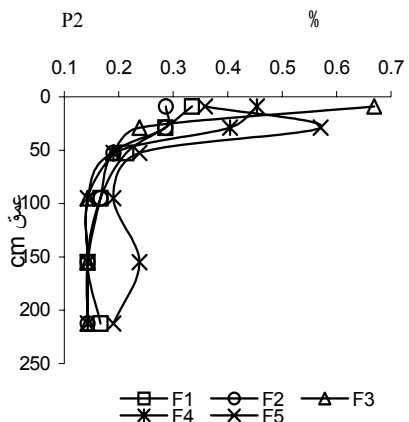
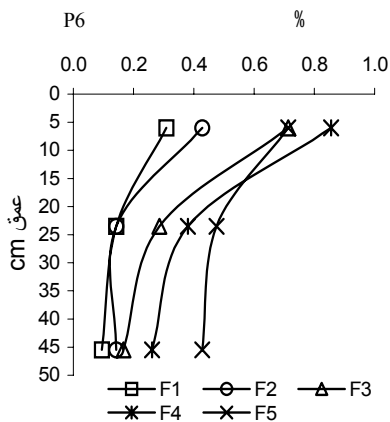
()

()

()

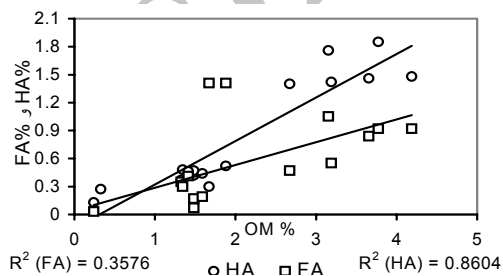
(cm)	SAR	meq/l						%					EC	pH					
		Na ⁺	K ⁺	Ca ²⁺	Mg ²⁺	HCO ₃ ⁻	CO ₃ ²⁻	Cl ⁻	SO ₄ ²⁻	CEC cmol _c kg ⁻¹	OC %	N %			CaCO ₃ %	SP	Clay	Sand	Silt
Fine-loamy, mixed, active, thermic, Fluventic Haplocambids																			
P1	Ap1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
	Bw/Ap2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
	Bw	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
	2C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
	3Bkb	>	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
Fine, mixed, active, thermic, Typic Natrargids																			
P2	Ap	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
	Bw	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
	Btkn1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	C	/
	Btkn2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	CL	/
	Btkyn	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	C	/
	Btyn	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	C	/
Sandy-skeletal, thermic, Lithic Haplocalcids																			
P3	A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	LS	/
	Bk	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
Loamy, mixed, active, mesic, Lithic Xerorthents																			
P4	A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
	BC	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
Loamy-skeletal, mixed, superactive, thermic, Typic Torriorthents																			
P5	A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
	CB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
Loamy-skeletal, smectitic, thermic, Typic Haplocambids																			
P6	A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL	/
	Bw	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/
	CB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L	/



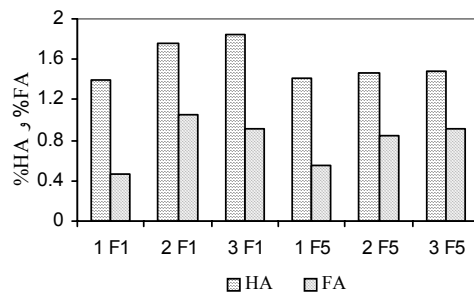


P6 P2

F1	>	>	>	>
F3	>	>	>	>
F5	>	>	>	>
F1	>	>	>	>
F3	>	>	>	>
F5	>	>	>	>
F3			>	
F5			>	
F1	>	>	>	>
F3	>	>	>	>
F5	>	>	>	>



R² (FA) = 0.3576 R² (HA) = 0.8604



F5 F1

Xeric-Mesic Aridic-Thermic

(FAO, 2004)

(Bohn et al., 2001) / kgCm⁻²

() (Lufafa et al., 2008)

/	c	F1
/	c	F2
/	bc	F3
/	ba	F4
/	a	F5

(Jastrow and Miller, 1998)

P4

Xeric Mesic

P6 (Six et al., 2002)

Typic Haplocambids

F5

F4

(Brady and Weil,

1999; Lorenz and Lal, 2006; Janzen et al, 2006; Marschner et al., 2008)

F5

F4

(Batjes,

Typic Natrargids

P2

.2008)

دلیل

F5

نتیجه کربن آلی تحت الارض علیرغم کم بودن نقش مهمی در نگهداری طولانی (Bohn et al., 2001)

P1 (3Bkb)

P2

(P1)

F5

P1

C/N

() P2

(2008) Flessa

(Huang et al, 2008)

()

(Flessa et al., 2008)

(Bayer et al., 2001)

(Oades and

.Waters, 1991)

(Six et al.,*2000)

(Six et al., 2000)

()

()

) F4 F5

(

C/N

F5

()

ونيز

()

(Neider and Benbi, 2008)

FA:

F5

HA:

F1

DEM:

C/N:

SAR:

CEC:

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