Erratum to: Effect of soil sealing on the microbial biomass, N transformation and related enzyme activities at various depths of soils in urban area of Beijing, China

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Published online: 3 May 2012
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Erratum to: J Soils Sediments
DOI 10.1007/s11368-012-0472-6

Correction to Table 1 and Table 2: a dislocation occurred in the rows: Land cover type; land cover type×depth; All sites (land cover type). The changes are in bold lettering.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11368-012-0472-6>.

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Table 1 Physical and chemical characterization of soils in various depths of soils with different land covers in Beijing

Soil depth (cm)	Land cover	pH (H ₂ O)	SMC (%)	TN (%)	SOM (g kg ⁻¹)	C/N	Particle size distribution (%)			Texture classification
							Clay (<0.002 mm)	Silt (0.002–0.05 mm)	Sand (0.05–2 mm)	
0–10	Forest	7.81(0.12)a	15.25(0.51)a	10.75(1.85)a	19.20(2.91)a	17.19(0.79)a	8.14a	41.21a	50.65a	Sandy Silt loam
	Bare land	8.04(0.21)a	13.01(0.11)b	8.61(0.32)b	7.69(0.74)b	25.92(2.01)a	6.94a	34.60a	58.46a	Sandy Silt loam
	Impervious land	8.45(0.35)b	10.01(0.16)a	6.08(0.12)c	6.68(1.71)b	41.38(4.11)b	7.12a	27.83b	65.08b	Sandy loam
10–20	Forest	7.84(0.08)	15.50(0.29)	8.34(0.32)	16.71(1.07)	13.87(1.50)a	4.38	31.79	63.83	Sandy Silt loam
	Bare land	7.89(0.23)	12.67(0.06)	6.36(0.22)	6.31(0.57)	23.12(2.66)b	2.91	35.04	62.05	Sandy Silt loam
	Impervious land	8.75(1.09)	12.52(0.52)	5.39(0.76)	6.76(1.42)	36.27(3.22)c	6.07	24.07	69.86	Sandy loam
20–30	Forest	7.94(0.12)	15.25(0.39)	6.81(0.61)	11.79(1.69)	13.27(0.97)a	5.21	36.64	58.15	Sandy Silt loam
	Bare land	8.07(0.16)	14.33(0.17)	4.84(0.79)	4.84(0.87)	16.76(2.01)ab	9.63	31.64	58.73	Sandy Silt loam
	Impervious land	8.76(1.32)	13.47(0.74)	4.22(0.68)	8.17(1.31)	26.36(3.71)b	12.19	25.85	61.96	Sandy loam
30–40	Forest	7.95(0.09)	13.25(0.35)	5.08(0.56)	10.27(2.02)	11.63(0.67)a	4.89	34.54	60.57	Sandy Silt loam
	Bare land	8.20(0.31)	13.67(0.36)	2.92(0.68)	5.01(1.02)	16.79(1.98)ab	2.95	30.45	66.60	Sandy Silt loam
	Impervious land	8.99(0.11)	13.11(1.21)	2.63(0.48)	7.32(1.11)	19.73(1.91)b	0.57	23.76	75.67	Sandy loam
Two-way ANOVA results										
Land cover type		*	ns	**	**	**	ns	*	ns	
Depth		ns	ns	**	*	**	ns	ns	ns	
land cover type × depth		ns	ns	ns	ns	*	ns	ns	ns	
All sites (land cover type) ^a		**	*	**	**	**	ns	**	ns	

Standard errors of the means were given in parentheses

SMC soil moisture content, TN total nitrogen, SOM soil organic matter, C/N soil C: N ratio, ns not significant

^a All sites (land cover type) analyzed together with a one-way ANOVA. * $P < 0.05$, ** $P < 0.01$

Different letters in the same column indicate significant effects (at $P = 0.05$ level) of land cover changes in a given soil layer. When there was no significant land cover × depth interaction, the mean separation applies to the mean of all four soil layers

Table 2 Inorganic N (NH_4^+ -N, NO_3^- -N), Alkali-hydro N concentration and potential net N-mineralization/nitrification rates in various depths soils with different land covers in Beijing

Soil depth (cm)	Land cover	Extractable NH_4^+ ($\mu\text{g N g}^{-1}$)	Extractable NO_3^- ($\mu\text{g N g}^{-1}$)	Alkali-hydro N (ppm)	Net potential N mineralization (ppm)	Net potential N nitrification (ppm)
0–10	Forest	1.07(0.08)a	2.17(0.28)a	92.11(4.53)a	7.78(0.59)a	1.98(0.46)a
	Bare land	0.90(0.09)a	3.30(0.50)b	26.85(0.92)ab	2.56(0.14)b	0.71(0.09)a
	Impervious land	2.07(0.34)a	1.66(0.22)a	16.72(0.85)b	2.48(0.81)b	0.33(0.08)a
10–20	Forest	0.79(0.02)	2.11(0.71)	69.31(9.86)a	6.59(1.12)a	1.30(0.11)
	Bare land	0.65(0.14)	2.92(0.34)	19.71(0.14)b	3.24(0.75)b	0.64(0.08)
	Impervious land	1.32(0.11)	2.27(0.25)	23.73(3.82)b	2.27(0.41)c	0.45(0.07)
20–30	Forest	0.83(0.03)	1.55(0.16)	53.12(4.99)a	3.62(0.11)a	0.79(0.08)
	Bare land	0.86(0.09)	3.88(0.86)	20.44(0.14)b	2.31(0.18)b	0.62(0.11)
	Impervious land	1.18(0.21)	2.32(0.54)	22.80(1.41)b	1.96(0.18)c	0.53(0.01)
30–40	Forest	0.84(0.05)	1.24(0.09)	43.15(4.21)a	2.46(0.14)a	1.13(0.12)
	Bare land	0.54(0.07)	2.25(0.99)	45.15(1.48)a	2.36(0.11)a	0.66(0.03)
	Impervious land	1.09(0.07)	2.38(0.34)	17.75(0.64)b	1.77(0.38)b	0.64(0.05)
Two-way ANOVA results						
Land cover type		ns	**	**	**	*
Depth		ns	ns	**	**	ns
land cover type $\times$ depth		ns	ns	**	**	ns
All sites (land cover type) ^a		*	*	**	**	**

Standard errors of the means were given in parentheses. Different letters in the same column indicate significant effects (at $P=0.05$ level) of land cover changes in a given soil layer. When there was no significant land cover $\times$ depth interaction, the mean separation applies to the mean of all four soil layers

ns not significant

^a All sites (land cover type) analyzed together with a one-way ANOVA. * $P<0.05$, ** $P<0.01$