

Table 1. Spearman correlations rho (ρ) values for correlations with abundance of mesofauna groups with soil physical and chemical variables. *** indicates $P < 0.001$, ** $0.001 > P < 0.01$, * $0.01 > P < 0.05$, blank indicates $P > 0.05$.

Soil variable	Total mesofauna	Oribatida	Mesostigmata	Entomobryoidea	Poduroidea
Total C	0.018	0.190***	-0.244***	-0.151***	-0.123***
Total N	-0.007	0.144***	-0.233***	-0.152***	-0.123***
C:N ratio	0.051	0.244***	-0.256***	-0.120***	-0.132***
pH (CaCl ₂)	-0.122***	-0.317***	0.118***	0.043	0.024
Bulk density	-0.056	-0.233***	0.216***	0.126***	0.089*
Soil water repellency ^a	0.142***	0.267***	-0.060	-0.48	-0.029
Volumetric water content	-0.175***	0.006	-0.381***	-0.235***	-0.286***
Total P	-0.054	-0.127***	0.054	0.001	0.022

^a Soil water repellency was derived from median water drop penetration times (s) and log transformed