

Table 4 Spearman's correlations between chl-a and environmental parameters in the study area; +: positive correlation; -: negative correlation; ns: no significant correlation;  $p > 0.01$ ; \*: significant correlation;  $p < 0.01$

Environmental Parameter	Chl-a in sediment	Chl-a in water
Physical attribute		
Transparency	+*	+*
Turbidity	-ns	-ns
Depth	-ns	-ns
Faunal variables		
Density	-ns;	+*
Diversity	-ns	+*