Article title: Phosphorus exchange in eutrophied coastal brackish water sediments – sorption pattern, potential and factors affecting them

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Table 1. Correlations (Spearman rho) among some of the investigated variables (EI = exposure index).

	EI	SSA	TP	TC	TN	TS	TFe	Fe_{Asc}	Fe_{Dith}	Fe_{Oxal}	TAl	Al_{Asc}	Al_{Dith}
EI													
SSA	-0.69***												
TP	-0.26	0.52											
TC	0.34	-0.11	0.10										
TN	0.60**	-0.38	-0.04	0.89***									
TS	0.11	0.06	-0.27	0.68***	0.59**								
TFe	-0.71***	0.96***	0.51*	-0.18	-0.42*	0.03							
Fe_{Asc}	-0.37	0.66***	0.78**	0.26	0.01	0.03	0.60						
Fe_{Dith}	-0.75***	0.79***	0.60**	-0.18	-0.39	-0.21	0.78	0.72***					
Fe_{Oxal}	-0.72***	0.93***	0.60**	-0.16	-0.39	-0.11	0.92***	0.66***	0.85***				
TAl	-0.44*	0.72***	0.23	-0.37	-0.49*	0.02	0.75	0.26	0.45*	0.61**			
Al_{Asc}	-0.55**	0.64***	0.36	0.20	-0.06	0.34	0.65	0.55**	0.46*	0.52**	0.36		
Al_{Dith}	-0.82***	0.91***	0.53**	-0.19	-0.46*	-0.02	0.91***	0.59**	0.75***	0.90***	0.63**	0.69***	
Al_{Oxal}	-0.60**	0.92***	0.57**	0.03	-0.24	0.11	0.84	0.74***	0.69***	0.86***	0.61**	0.62**	0.87***

$p \leq .001$***; $p \leq .01$**; $p \leq .05$*

Table 2. Correlations (Spearman rho) among the P exchange parameters and some of the investigated variables (EI = exposure index).

	EPC_0	k_{EPC0}	k_{15}	k_{100}	P_{des}	Fe_{Asc}	Fe_{Dith}	Fe_{Oxal}	Al_{Asc}	Al_{Dith}	Al_{Oxal}	SSA	EI
EPC_0													
k_{EPC0}	-0.94***												
k_{15}	-0.82***	0.95***											
k_{100}	-0.48*	0.67***	0.77***										
P_{des}	0.99***	-0.89***	-0.76***	-0.40									
Fe_{Asc}	-0.03	0.21	0.38	0.70***	0.07								
Fe_{Dith}	-0.32	0.45*	0.52**	0.59**	-0.21	0.72***							
Fe_{Oxal}	-0.20	0.41	0.49*	0.60**	-0.08	0.66***	0.85***						
Al_{Asc}	-0.38	0.59**	0.68***	0.85***	-0.34	0.55**	0.46*	0.52**					
Al_{Dith}	-0.22	0.43*	0.47*	0.61***	-0.11	0.59**	0.76***	0.91***	0.68***				
Al_{Oxal}	-0.08	0.31	0.39	0.65***	0.02	0.74***	0.69***	0.86***	0.62**	0.86***			
SSA	-0.27	0.49*	0.55**	0.71***	-0.16	0.66***	0.79***	0.93***	0.64***	0.90***	0.92***		
EI	0.44*	-0.54**	-0.54**	-0.44*	0.36	-0.37	-0.75***	-0.72***	-0.55**	-0.82***	-0.60	-0.69***	
depth	0.40	-0.46*	-0.43*	-0.33	0.33	-0.33	-0.68***	-0.65***	-0.40	-0.70	-0.61	-0.62**	0.92***

$p \leq .001$***; $p \leq .01$**; $p \leq .05$*