

Table 3 BIOENV results showing the spearman correlation coefficient (ρ) for correlation with oligochaete abundance in paddy fields and channels in Maranchery Kole wetlands

Paddy fields			Channels		
Sl no.	variables	variables selected	BEST Correlation value (Rho)	variables selected	BEST Correlation value (Rho)
1	depth	dissolved oxygen, clay	0.29	dissolved oxygen, clay, silt	0.28
2	sediment temperature	dissolved oxygen	0.17	silt	0.2
3	moisture content	depth, dissolved oxygen	0.17	clay, silt	0.16
4	organic matter	organic matter, clay	0.17	dissolved oxygen, clay, sand	0.16
5	dissolved oxygen	depth, dissolved oxygen, clay	0.17	depth, silt	0.13
6	sediment pH	silt	0.05	moisture content, dissolved oxygen, silt	0.13
7	clay	depth, sediment temperature, clay	0.05	depth, dissolved oxygen, clay	0.10
8	silt	depth, organic matter, clay	0.05	clay, silt, sand	0.10
9	sand	depth, sediment pH, clay	0.05	dissolved oxygen, silt	0.09
		sediment temperature, dissolved oxygen, clay	0.05	depth, dissolved oxygen, clay, silt	0.09