

Tables 4 Regression analysis result of 3 heavy metals concentration in the sediment and in the water with abundance and microalgae dominant from Tallo River Estuary (\* :  $R^2 > 0.5$ )

Pair Test	Sediment		Water	
	$R^2$	F-Sig	$R^2$	F-Sig
Pb vs Richness of microalgae	0.126	0.769	0.997*	0.035
Cu vs Richness of microalgae	0.354	0.595	0.202	0.703
Cr vs Richness of microalgae	0.754*	0.330	0.999*	0.005
Pb vs <i>Nitzchia sp</i>	0.886*	0.219	0.421	0.55
Cu vs <i>Nitzchia sp</i>	0.050	0.856	0.915*	0.189
Cr vs <i>Nitzchia sp</i>	0.772*	0.219	0.484	0.509
Pb vs <i>Skeletonema sp</i>	0.237	0.677	0.0001	0.993
Cu vs <i>Skeletonema sp</i>	0.222	0.687	0.279	0.646
Cr vs <i>Skeletonema sp</i>	0.867*	0.237	0.993*	0.053
Pb vs <i>Synedra sp</i>	0.030	0.889	0.114	0.781
Cu vs <i>Synedra sp</i>	0.539*	0.475	0.049	0.857
Cr vs <i>Synedra sp</i>	0.579*	0.449	0.039*	0.159