



Supplementary Material

Oxidative Stress Biomarker in Assessing the Lead Induced Toxicity in Commercially Important Fish, *Labeo rohita*

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Supplementary Table I.- Regression of peroxidase activities in the gills and liver on the physico-chemical characteristics of test media.

Regression Equation (y = a+bx)	r	R ²
Gills		
Peroxidase activity = -3.265 + 0.395 (pH) SE = 0.05 ^(p<0.05)	0.958	0.978
Peroxidase activity = 7.410- 1.323 (Dissolved oxygen) SE = 0.05 ^(p<0.05)	0.924	0.861
Peroxidase activity = -0.891 + 1.497 (Carbon dioxide) SE = 0.04 ^(p<0.05)	0.962	0.980
Peroxidase activity = -2.135 + 2.268 (Total ammonia) SE = 0.04 ^(p<0.05)	0.927	0.962
Peroxidase activity = -3.426 + 0.011 (Total hardness) SE = 0.06 ^(p<0.05)	0.901	0.976
Peroxidase activity = -1.172 + 0.057 (Calcium) SE = 0.06 ^(p<0.05)	0.979	0.985
Peroxidase activity = -1.459 + 0.033 (Magnesium) SE = 0.05 ^(p<0.05)	0.992	0.989
Liver		
Peroxidase activity = -3.265 + 0.395 (pH) SE = 0.05 ^(p<0.05)	0.901	0.949
Peroxidase activity = 13.65 – 2.736 (Dissolved oxygen) SE = 0.06 ^(p<0.05)	0.994	0.996
Peroxidase activity = -1.634 + 2.736 (Carbon dioxide) SE = 0.05 ^(p<0.05)	0.901	0.949
Peroxidase activity = -4.012 + 4.245 (Total ammonia) SE = 0.02 ^(p<0.05)	0.834	0.913
Peroxidase activity = -6.455 + 0.022 (Total hardness) SE = 0.09 ^(p<0.05)	0.973	0.964
Peroxidase activity = -2.272 + 0.110 (Calcium) SE = 0.06 ^(p<0.05)	0.973	0.979
Peroxidase activity = -2.776 + 0.003 (Magnesium) SE = 0.05 ^(p<0.05)	0.936	0.914

SE, standard error; r, regression co-efficient; R², co-efficient of determination; p<0.05, significant.