

Effect of hydrogen sulphide on liver somatic index and Fulton's condition factor in *Mystus nemurus*

ABSTRACT

The growth rate and liver somatic index were significantly ($P < 0.05$) lower in *Mystus nemurus* exposed to hydrogen sulphide compared to controls. These differences increased with corresponding increases in hydrogen sulphide concentrations. No significant differences ($P > 0.05$) in Fulton's condition factor were detected between the exposed fish and the controls. The results revealed that liver somatic index is a more sensitive indicator of hydrogen sulphide toxicity compared to Fulton's condition factor.

Keyword: Fulton's condition factor; Growth rate; Hydrogen sulphide; Liver somatic index; *Mystus nemurus*; Tropical freshwater fish