Acute Exposure Of Two Classes Of Fungicides And Its Effects On Hematological Indices Of Fish (Clarius batrachus) - A Comparative Study

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Abstract : Hematological assay has used for evaluation of blood changes according to its environment. It's studies employed to evaluate possible eco-toxic risk due to the exposure of chemicals and pesticides in aquatic organisms. Fishes serve as a sensitive bio-indicator, as changes occur in its surrounding environment. The aim of present study has two-folds first we observed that after exposure of two doses of each class of fungicide i.e. 1.11mg/l, 2.23mg/l for Propiconazole and 11.43mg/l, 22.87mg/l for Mancozeb show maximum blood changes. Second we conclude that toxic effects and blood changes induced by Propiconazole is greater than Mancozeb.

Keywords : hematological assay, fungicides, bio-indicator, eco-toxic risk

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