

STUDIES ON SOME ASPECTS OF BIOENERGETICS IN A TELEOSTEAN FISH IN CHANNA STRIATUS (BLOCH) : ENERGY VALUE OF METABOLISM (RESPIRATION)

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Abstract

In the present work an attempt has been made to study energy value of metabolism (respiration or oxygen consumption) in a fresh water teleostean fish, *Channa striatus* (Bloch) at water temperature $29.5 \pm 1.00^\circ\text{C}$. The energy value of total metabolism (R) ranged from 723.1-10390.3 Joule/day/fish within the weight range 9.3 to 103.0 gram fish. The percentage of total energy of food (C) used in the metabolism (R) ranged from 36.0-40.7% with a clear trend of decrease in R value with increasing body weight. The details have been discussed in this paper.

Keywords

Bioenergetics, Energy value of Metabolism, Fish.

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