STUDIES ON SEASONAL VARIATION IN PROXIMATE COMPOSITION IN A TELEOSTEAN FISH, CHANNA MARULIUS (HAM.)

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Arun Kumar[1], S.K Singh[2]

1 Associate Professor, PG Dept. of Zoology, BNMU, Madhepura, **2** P.G. Department of Zoology, Magadh University, Bodh Gaya, 823234

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Abstract

Studies on seasonal variations in proximate composition have been made in a teleostean air breathing fish, Channa marulius(Ham.) in relation to ambient water temperature. Minimum values of percent water, protein, lipid, carbohydrate content and calorific values (K.cal/g) were recorded in the months of November, March, August, June and February respectively while maximum values of above noted parameters were recorded respectively in the months of July/August, June, December, May and June. The statistical relationships between ambient water temperature Vs. proximate composition fractions 0 0 were established by two separate regression lines one between 18.5 to 29.0 C and another between 29.0 C 0 to 33.4 C. The details have been discussed in this paper.

Key words

Proximate composition, Ambient water temperature, Calorific values, Channa marulius (Ham.)

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