

## AQUATIC WEEDS, THEIR CHARACTERISTICS AND EFFECTS ON GROWTH OF *CATLA CATLA* HAMILTON - A REVIEW

BUSHRA NASEER<sup>1\*</sup>, SHAILENDRA KUMAR SINHA<sup>1</sup> and SHARMILA KUMARI<sup>1</sup>

Department of Zoology, Binod Bihari Mahto Koyalanchal University, Dhanbad (Jharkhand)

**ABSTRACT :** Important parameters that are analyzed while studying the growth of rearing organisms, including fishes are Specific Growth Rate (SGR), Feed Conversion Ratio (FCR) and Survival Rate (SR). Apart from these another important morphological aspect in terms of growth analysis is the Net Weight Gain (NWG) by the fish. Various aquatic weed organisms being used as one of the fish feed ingredients and their respective effects on growth of *Catla catla* Hamilton have been studied due to their appreciable nutritional content that are intended in order to replace the fishmeal based diet in a complete or partial manner. This article presents some significant nourishing attributes of the weed organisms and their specific consideration for fish feed detailing including important parameters that are mulled over while studying the growth of fish. The prime contribution of this communication is to review the exploitation of different aquatic weeds viz. *Spirogyra* sp., *Spirulina platensis*, *Ipomoea aquatica* and *Hydrilla verticillata* (L.F) Royle; taken as fish feed and their respective effects on growth of *Catla catla*.

**Key words :** *Catla catla*, *Spirulina*, *Spirogyra* sp., *Hydrilla*, *Ipomoea*.