



RESEARCH PAPER

Studies on growth performance of *Cyprinus carpio* var. *Communis* fed with *Bacillus clausii* supplemented diets

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Abstract : The present investigation entitled “Studies on growth performance of *Cyprinus carpio* var. *Communis* fed with *Bacillus clausii* supplemented diets” was carried out at Faculty of Fisheries, Ganderbal over a period of 60 days from April 1st to June 1st, 2019. The fingerlings were fed with dry diets containing three concentrations of probiotic viz., (T₁: 1%, T₂: 1.5%, T₃: 2%) and control group (T₀: containing no probiotic). The growth parameters including per cent weight gain, Specific growth rate (SGR), feed conversion ratio (FCR), feed efficiency ratio (FER) and protein efficiency ratio (PER) were measured at the end of the experiment. The results showed that the probiotic incorporated diets had significant impact on growth than control group (P<0.05). The highest values of treatment T₂ with 2 per cent probiotic showed the highest percent weight gain (74.62%), specific growth rate (0.40), feed efficiency ratio (0.90), protein efficiency ratio (1.82) were observed in treatments with 2% concentration of probiotic where as, feed conversion ratio(1.09) was lower in groups received probiotic through diets than control.

Key Words : *Bacillus clausii*, FCR, SGR, PER, FER

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