



Effect of probiotic bacteria *Weissella cibaria* on growth characteristics of Common carp (*Cyprinus carpio*)

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Abstract:

This study looked at the effect of the *Weissella cibaria* bacterium on the growth characteristics of Common carp. The use of probiotics is one of the most important options in fish farming. The fingerlings indices of 120 Common carp (*Astronotus ocellatus*) an average weight of 17.12 ± 0.07 g and length of 8.68 ± 0.04 cm randomly selected During 56 days of experiment fishes fed by diets containing *W.cibaria* the 3 treatments including 0(control), 150, 300, and 450 mg per kg of food with triplicates in each treatment. Biometric results of fish at the end of the rearing period showed that the use of bacteria in the diet of Common carp fish significantly improved growth factors: Weight gain, Body weight increase, Average daily growth, Specific growth rate, percentages were observed in treatment 2 (WC₃₀₀) compared to other treatments and control with statistically significant differences ($p < 0.05$).

Keywords: Common carp, *Cyprinus carpio*, *Weissella cibaria*, probiotic, growth