

عنوان مقاله:

Effect of different concentration of profitable Bacillus on bioremediation of common carp (Cyprinus carpio) pond discharge

محل انتشار:

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خلاصه مقاله:

A 4 days study was conducted to determine the effects of Different concentration of bioaugmentor bacterial strain Bacillus licheniformisi, B. subtilis, B. polymyxa, B. laterosporus and B. circulans (Protexin Aquatech, UK) on adjustment of parameters of water quality as TAN, NO₂-N, NO₃-N and turbidity from the effluent of Common Carp ponds. Effects of time and concentration were studied as a completely randomized split-plot design. Time and concentration and their interaction had a significant difference ($P<0.05$) on changes of total ammonium nitrogen, nitrate nitrogen, nitrite nitrogen and turbidity. The total counts of bacteria recorded in the water of bioremediated tanks .were also lower than that in the control tank

کلمات کلیدی:

Bacillus, bacterial treatment, parameters of water quality, bioremediation

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