

Calcium Impact on Cadmium Toxicity in Tilapia

Pollution of environment is one of the most horrible ecological crises. Rapid industrialization, urbanization and other developmental activities have led to deterioration of the environment. Among the pollutants, heavy metals are hazardous pollutants in ecosystems with deleterious effects on aquatic biosystems and needs more attention on this. The natural aquatic bodies are extensively contaminated with heavy metals like cadmium, mercury, lead and arsenic etc., released from domestic, industrial and other anthropogenic activities. This may cause serious effects on the ecological balance of the recipient environment. Heavy metals have ability to accumulate in the tissues of living organisms and the products pass from producers to consumers in a given food web ultimately affecting the human beings. Therefore, aquatic species are used to bring down the relation between the extent of heavy metal pollution in aquatic media and the harmful effects on human beings when such heavy metals enters in to the human body through food chain. Among the heavy metals Cadmium (Cd) is one of the most deleterious heavy metal pollutant in the environment, either terrestrial or aquatic.

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