

Heavymetal tolerant algae for bioenergy production.

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ABSTRACT

Heavy metal pollution is of potential causes for environmental problems concern to freshwater ecosystem in Tamil Nadu as a result of tanning industries. The aim of the study was to investigate the effect of heavy metals to the green algae endemic to the fresh water bodies in Vaniyambadi District, Tamil Nadu, India. The effects of heavy metals on growth of algae were determined. Extracellular bound metal ion concentrations were estimated in terms of possible use of green algae with the metal ion at the cell surface for its potential use in bio energy production.