

Algal biomass production integrated with sewage treatment and utilization as feedstock for bio-fuel

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Abstract

Chlorococcum humicola, *Chlorella conglomerata*, *Chroococcus turgidus* and *Desmococcus olivaceus* were inoculated into sewage samples collected from coovum river at Koyambedu, Chennai. Growth and biochemical composition of micro algae and physico-chemical parameters of sewage samples were monitored. There was a significant reduction in major physico chemical parameters of sewage. Bio-diesel potentials of algal biomass produced were also determined. *Chlorella* sp grew very well followed by *Desmococcus* sp.

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