

IN VITRO NEPHROPROTECTIVE ACTIVITY OF MARINE

ALGAE *CHLOROCOCCUM HUMICOLA*

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ABSTRACT

The impact of gravity of renal failure for the current study on human health is well known and as there is no specific pharmacotherapy for renal failure, undertaken to evaluate the effect of seaweed extract of *Chlorococcumhumicola*, belongs to chlorophyta and is a unicellular green algae. The algae were collected from Mandabam, Rameshwaram, Tamil Nadu, India. Marine algae have been the source of active compounds where, they are used for various applications. The medicinal use in traditional medicine has been reported since time immemorial. The present study is on the marine algae *Chlorococcumhumicola* was investigated. The ethanol, ethyl acetate and hexane extracts of *Chlorococcumhumicola* were analyzed and subjected to phytochemical to know the secondary metabolites present in the ethanol extracts and showed the better activity so it was subjected for *in vitro* Nephroprotective activity.

KEYWORDS: *Chlorococcumhumicola*, Marine Algae, Nephroprotective Activity, MTT Assay