

Editorial

Volume 1 Issue 1 - February 2016
DOI: 10.19080/AIBM.2016.01.555553

Adv Biotech & Micro

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Bio active Potentials of *Exchocaria agollocha*

Ahmed John S*

Department of Botany, Jamal Mohamed College (Autonomous), India

Submission: January 30, 2016; **Published:** February 08, 2016

***Corresponding author:** S Ahmed John, Head of the Department, PG and Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli, 620020, India, Tel: +91 9486872786, Email: draahmedjohn@gmail.com

Editorial

The recognized marine forms Bacteria, Actinobacteria, Cyanobacteria, Fungi, Microalgae, Seaweeds, Mangroves and other Halophytes are an extremely important oceanic resources and constituting over 90% of the Oceanic biomass. The marine natural products have lead to the discovery of many compounds considered worthy for clinical applications. The marine sources have the highest probability for yielding natural products.

The natural derivatives of marine forms play an important vital role to prevent the cancer incidences as synthetic drug transformation in mangrove. 28.12% of anticancer compound extracted from the mangroves. The present findings reveals that the *Exchocaria agollocha* has the anti cancer compounds. The observed potential of the *Exchocaria agollocha* with biotechnological applications for the anti cancer and antimicrobial drug discovery, It also recommended for the environmental remediation to develop the new resources for the Industrial process.

The anti-cancer activity of *Exchocaria agollocha* was screened from 3.906 to 1000 µg/ml of concentration with the

dilution leads to 1:1 to 1:128 following methanol and chloroform extracts. The cell viability in the *Exchocaria agollocha* was maximum at the lower concentration where as low at the higher concentration of methanol and chloroform extracts when compare to control. At 3.906 concentrations, 85.32 and 81.96 of cell viability was found at 1:128 dilution of methanol and chloroform extracts respectively. At the concentration of 31.25 following 1:16 dilution, the cell viability was 65.55 in methanol and 45.55 in chloroform extracts. However at the higher concentration, the cell viability 22.35 and 8.12 was found in the extracts of methanol and chloroform. The cell viability was more in methanol extracts when compare to chloroform extracts at lower concentration.

The present investigation recognized significant current trends for screening and analyzing the activity of metabolites from the mangrove resources. The findings also prove and expose the models to bring a new sustain for tackling cancer. The bio active compounds of the *Exchocaria agollocha* have an extensive use in the treatment of many dangerous diseases and also serve as a compound and templates for synthetic modification.