



## Antimicrobial Activity & Anticancer activity from Marine Bacterium

By N. Mythili

LAP Lambert Academic Publishing Okt 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x4 mm. This item is printed on demand - Print on Demand Neuware - The marine water samples were collected from the Kilakarai deep sea, the bacterial colonies were isolated and the dominated colonies were picked out and their morphological characterization was studied. From the biochemical characterization the isolated colony results as Bacillus sp. The antimicrobial potential were analysed and the resulted Fraction I, Fraction II, Fraction III shows the greater effect when against with the clinical pathogens. Staphylococcus aureus, Pseudomonas sp, Fraction III shows greater zone of inhibition in various concentration of (25  $\mu$ l, 50  $\mu$ l, 75  $\mu$ l, 100  $\mu$ l). The higher concentration of 100  $\mu$ l of sample shows the greater results. The high concentration of the 100  $\mu$ l of the crude sample exhibit higher zone of inhibition against the Staphylococcus sp (14mm), Pseudomonas (13mm), The results suggested that the fraction-III warranted further purification in order to unveil the active components of Pseudomonas sp. From the curve of elution in DEAE Sepharose Fast Flow chromatography Three A280 nm peak fractions, named G-1, G-2, and G-3 were collected respectively. 64 pp. Englisch.



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