



CERTIFICATE NO : NCESMAH /2021/C1021768

**A STUDY OF ANTIMICROBIAL AND ANTIFOULING ACTIVITIES
ACHIEVED BY EXTRACTS OF SEAWEEDS FROM GULF OF INDIA**

DNYANESHWAR SALUNKHE

Research Scholar, Department of Chemistry,

Sri Satya Sai University of Technology & Medical Sciences, Sehore, M.P, India.

ABSTRACT

There is a large potential market for new pharmaceuticals among the diverse marine life, and the pharmacological characteristics of pure extracts substances taken from them are an unexplored area. Medicinal and preventative uses for the bioactive compounds discovered in seaweeds to treat human illness and the development of fouling organisms on man-made surfaces are being researched. Due to their inability to physically defend themselves, sessile organisms have evolved a variety of important physiological adaptations, including the production of bioactive compounds. Additionally, they have experienced a wide range of environmental conditions. Biological resistance against grazing animals and the attachment of epiphytes and fouling organisms is bestowed by a plant's distinctive chemical composition. For centuries, several chemicals extracted from seaweed have been used in conventional medicine, pharmacology, and industry.