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# Marine Sponges: Repositories of Bioactive compounds with Medicinal applications

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**Abstract** : Marine Sponges and its associated symbiotic organisms are considered as the depositories of bioactive compounds and secondary metabolites naturally. Compounds in specific can be used for different applications as a drug candidate. It is believed that sponges have the potential to cure various diseases such as malaria, cancer and other viral infections. Eventhough the mechanism of action is still unclear for few cases, compounds in crude extracts interferes with the pathogenesis of different diseases. Based on the preliminary screening results of *in vitro* and *in vivo* studies, researchers are trying to formulate medicinal products out of this crude extract and to commercialize in the market. Chemical compounds of few sponges have varying carbon skeletons which have the ability to fight against different pathogens and may provide immunity to individuals affected by various diseases.

**Key Words** : Sponges, Bioactive Compounds, Secondary Metabolites, Malaria, Cancer.

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