

Investigation of Antibacterial, Antifungal and Antioxidant Activity of Marine Limpet *Siphonaria carbo*

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Abstract

This study was performed to evaluate the antibacterial properties of different (wet and dry ethanolic and aqueous) extracts of *Siphonaria carbo* on *Escherichia coli*, *Staphylococcus aureus*, and *Saprolegnia parasitica* using well method as well as antioxidant activity using MDA method. The results revealed that ethanolic extracts from dry tissue showed minimum lipid peroxidation 30.54 ± 0.49 (\pm SD), and thus the highest autoxidation (44.45 ± 0.74) activity. The results of antibacterial analysis of the examined extracts showed no significant antibacterial property ($P < 0.05$). This study revealed some antioxidant activities of *Siphonaria carbo* extracts. Detailed biochemical studies are recommended for identification of compounds causing this property.

Keywords: Secondary metabolites, Antioxidant activity, Marine natural products, *Siphonaria carbo*.