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Antibacterial activity of selected seaweeds from the coast of Rabon, Rosario, La Union, Philippines

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Three commonly occurring marine macroalgae; *Enteromorpha intestinalis, Gracillaria changii* and *Sargassum cristaefolium* were collected from the coast of Rabon, Rosario, La Union and their antibacterial activities were screened against a gram positive bacteria (*Staphylococcus aureus*) and a gram negative bacteria (*Escherichia coli*). The phytochemical analysis of seaweeds revealed the following secondary metabolites; for E. intestinalis, non-hydrolyzable / condensed tannins and saponin glycosides were detected; for G. changii, saponin glycosides, anthraquinones, and flavonoids were present; E. intestinalis exhibits the highest antimicrobial activity against E. coli with the highest mean diameter of zone of inhibition. *G. Changii exhibit*s the highest antimicrobial activity against S. aureus with the highest mean diameter of zone of inhibition.

Biography

Dianne Peralta is currently working as a Research assistant in Don Mariano Marcos Memorial State University, Philippines.

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