

SPECTROPHOTOMETRIC ESTIMATION OF SAPONIN  
IN THE BODYWALL OF CERTAIN SEACUCUMBERS  
OF SRI LANKA

ESTIMATION OF POLYPHENOLS IN THE WATERS  
OF CERTAIN INDUSTRIAL AREAS IN SRI LANKA

A DISSERTATION

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ABSTRACT

It is a known fact that Holothurians, more commonly known as seacucumbers, are consumed as Beche-de-mer, after being processed. The Holothurians contain toxic substances called saponins or holothurins.

Both gravimetric and spectrophotometric estimation were carried out to determine the saponin content in the body wall of certain species of Holothurians found in Sri Lanka waters. The saponin contents were estimated for different species of seacucumbers, for monthly samples of one species and for processed samples of one species at the end of every stage of processing.

Polyphenols are widely used or formed as a by-product in various industries in Sri Lanka. They are considered pollutants, especially in water. The polyphenols were estimated at three selected industrial areas.