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Title: Anti-inflammatory and wound healing activities of *Hemisgraphis alternata*

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Therapeutic properties of plant are attributed to bioactive compounds found within them. These compounds can be promising candidates for drug development. This presentation focused on the wound healing and anti-inflammatory properties of *Hemigraphis alternata* and that the isolation and identification using chromatography and spectroscopic methods is currently employed. Available treatments for wound healing and inflammation are antibiotics and anti-inflammatory drugs, which some are reported to be high cost, low availability and associated with adverse effects. Therefore there is a need to search for alternatives treatments and plant-based drugs represent a key prospect to it. The leaves of *Hemigraphis alternata* exhibited promising wound healing and anti-inflammatory activities through scratch assay, tube formation assay, nitric oxide production inhibition assay, cytokine TNF-α production inhibition assay and lipoxygenase enzyme inhibition assay. To the best of our knowledge, this is the first report on the bioactivities of *Hemigraphis alternata*.

Biography

Dr. Joo Kheng Goh is currently a senior lecturer in the School of Science, Monash University Malaysia. Her research group focuses on isolation and identification of bioactive compounds from medicinal plants and she has particular interest in the synthesis of bioactive compounds. She has published more than 20 papers in reputed journals and has been serving as an journal reviewer in a number of repute.

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