

## Special Issue on Ethnopharmacological Approaches to Wound Repair

### Call for Papers

Interest in natural products is growing rapidly, and research into natural products has advanced tremendously in academia and pharmaceutical companies. Natural products have proved to be a rich source of therapeutic agents.

Wound is an injury, usually involving division of tissue or rupture of the integument or mucous membrane, due to external violence or some mechanical agency. Wound healing is a multifarious procedure comprised of systematical processes of events which repair the damaged tissue partially or completely. This complex cascade of event starts from the moment of injury and continues for varying periods of time depending on the severity of wounding. The process can be broadly categorized into three stages: inflammatory phase (consisting the establishment of homeostasis and inflammation), proliferative phase (consisting of granulation, contraction, and epithelialization), and finally the remodelling phase which ultimately determines the strength and appearance of the healed tissue.

There are many ethnobotanical and ethnopharmacological researches on wound healing and anti-inflammatory activities. *In vivo* and *in vitro* studies provide scientific evidence for the ethnomedicinal features of plants animal kingdom and marine products used in traditional medicine and led to the development of novel drug candidates.

We invite investigators to submit original research and review articles that evaluate the wound healing, anti-inflammatory, antioxidant, and antimicrobial effects of medicinal plants, animal kingdom, and marine products. We are particularly interested in articles that explore aspects of wound healing activities by *in vitro* and *In vivo* experimental models. Potential topics include, but are not limited to:

- Wound healing and anti-inflammatory activities including clinical efficacy of medicinal plants or products from animals or marine organisms and their constituent molecules
- *In vivo* and *in vitro* activity models for the wound healing activity assessment and their contributing activities such as anti-inflammatory, antioxidant, and antimicrobial for the wound healing effects

- Role of the natural products on wound healing stages: inflammation, proliferation, and remodelling
- Biological activity guided isolation studies for the isolation of active constituents
- Elucidating the mechanism of action
- Role of inflammation in wound healing

Before submission authors should carefully read over the journal's Author Guidelines, which are located at <http://www.hindawi.com/journals/ecam/guidelines/>. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at <http://mts.hindawi.com/> according to the following timetable:

Manuscript Due	Friday, 30 December 2011
First Round of Reviews	Friday, 30 March 2012
Publication Date	Friday, 29 June 2012

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