



Novel Natural Compounds as Wound Healing Agents

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Message from the Guest Editors

The skin is one of the most important organs in the body because it protects it from environmental hazards. A complicated dynamic wound-healing mechanism is launched immediately after a skin injury by a complex sequence of cellular, molecular, and biochemical processes with a signaling cascade. Chronic wounds are wounds that have progressed into a condition of pathological inflammation rather than healing normally. In type 2 diabetic mellitus (DM) patients, delayed foot wound healing is a prominent consequence linked to hyperglycemia, and these wounds can lead to foot ulcers. Debridement of necrotic tissue, use of topical antibiotics to limit infection, and application of a wound dressing (e.g., films, fibers, hydrogels) are all common treatments for chronic wounds. However, finding out a drug with potent wound-healing properties and fewer side effects still needed.

Thus, studies investigating the beneficial effects of herbal extract as well as individual secondary metabolites on wound healing in silico, in vitro, and in vivo, along with the involved molecular mechanisms, will be a subject of interest for this Special Issue.





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Message from the Editor-in-Chief

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