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Role of Herbal Extracts in Wound Healing Process – A Review

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Abstract : In developed countries, herbs are widely used for treating a spectrum of conditions. Wound healing process involves the activation of extracellular matrix components, remodeling enzymes, cellular adhesion molecules, growth factors, cytokines, and chemokines genes. However, the molecular pattern underlying in the woundhealing process is still remain unclear. Herbs are frequently being used due to their availability and lower costs. It is therefore important to scientifically characterize mechanisms by which each herbal act. Plants have medicinal properties due to the presence of phytochemicals. The bioactivity of phytochemicals is rooted in the diversity of their molecular structures, which gives them specific properties. Curcumin, Aloe-vera and Ginger are popular natural medications for treating wounds. Fibroblasts, the most common connective tissue cell, play a critical role in wound healing. Most wounds will heal without complications. In addition, many herbs are available that will potentially heal the wound without damaging healthy tissue, reduce infection, and improve the rate of wound healing. Thus, this review focuses on the role of herbal extracts in the wound healing process.
Keywords : Cytokines, Growth factors, Herbal extracts, Phytochemicals,Wound healing.

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