



## A review on mangrove plants in pharmaceutical industry

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### ABSTRACT

Mangrove forests with an area of 15.2 million hectares are one of the most important coastal ecosystems in the world, which are located in the intertidal of tropical regions. These forests include special trees and shrubs that have the ability to grow in salty waters, beds with siliceous soils and fine-grained sediments of muddy shores. Most of these areas have been registered as biosphere reserves, national parks or protected areas due to their environmental importance, and therefore one of the most important sources of primary production, nursery grounds, aquatic fishing and aquaculture, harvesting livestock forage, treatment and medicinal, production of oil, gum and fuel, desalination and increases water quality, coastal protection, carbon sequestration, education and research, handicrafts and ornaments and tourism industry are considered. In Iran and the southern coasts, including the provinces of Bushehr, Hormozgan and Sistan and Baluchistan; Mangrove; *Avicennia marina* and *Rhizophora mucronata* are the only mangrove species. Humans has always been searching for agents to cure various diseases. Today, mangrove plants are used as medicinal plants due to the presence of various chemical compounds, which are used in various cases of treatment. This article reviews of some of the treatments of these plants, such as increasing aphrodisiac, soothe, treatment of burns and wound healing, treatment of herpes infection, rheumatism, treatment of parasitic infections, urinary ulcers, skin diseases and treatment of kidney stones are mentioned.

**Keywords:** *Avicennia marina*, Mangrove, Medicinal plants, Persian Gulf, *Rhizophora mucronata*, Sea of Oman.