

Phytotherapy in Aspergillus: An overview of the most important medicinal plants affecting Aspergillus

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Abstract: Aspergillosis can cause wide range of diseases such as abortion, respiratory infections and food poisoning. The emergence of drug-resistant fungal species has caused attention to be focused on developing new therapies against fungi. Some plant species have been identified antifungal properties. Because of the importance of fungal diseases, such as Aspergillus, in this study the effect of antifungal medicinal plants native to Iran, was introduced. The review carried out by searching scientific databases such as Google Scholar, SID, etc, key words, including fungi, Aspergillus, herbs and Iran to relevant articles were searched and were studied. Diagram of the present review were as follows. *Zataria multiflora* Boiss., *Thymus eriocalyx*, *Mentha pulegium*, *Satureia hortensis*, *Secale montanum*, *Artemisia*, *Petroselinum crispum*, *Acimum basilicum*, *Anethum graveolens*, *Mentha viridis*, *Cuminum cyminum*, *Cinnamomum zeylanicum*, *Aloe vera*, *Rosa damascena*, *Coriandrum sativum* *Origanum majorana*, *Myrtus Communis* L and *Glycyrrhiza glabra* are the most important medicinal plants against Aspergillosis. Important compounds such as Carvacrol, Thymol, Palmitic acid, Apiol, Methyl chavicol, Caryophyllene oxide, Cimonene, Camphene, Mircen and Myrtenal, Menthol, Caryophyllene, Mentone and ect includes the active compounds of medicinal plants that have antibacterial and antifungi effects, which can be described as a combination of proven anti-Aspergillus context.

Keywords: fungus, Aspergillus, herbs, Iran.