

CHAPTER 10

Role of Essential Oils in the Management of COVID-19

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Abstract:

A potential source of herbal drugs and other therapies is herbal goods. Essential oil (EO) may possess therapeutic potential against SARS-CoV-2 due to numerous therapeutic properties, including antiviral activity. Due to its lipophilicity, EO can quickly penetrate through viral capsid results in burst. Moreover, EO typically possesses active constituents triggers numerous targets on virus predominantly entrance, translation and replication. They also have additional advantageous therapeutic effects host's respiratory system shows anti-inflammatory, immunological bronchiectasis and mucolytic affect. This Chapter summarizes the potential essential oils which could be promising drugs for COVID-19 eradication. EO imparts many advantages as promising volatileantiviral molecules may be potential drug targets for the management of COVID-19, either alone/combination with other drugs. The aim of the currentreview is to shed light on the effective EO against viruses and its proposed potential against SARS-CoV-2.

Keywords: SARS-CoV-2, EO, COVID-19, anti-inflammatory, immunological modulation