

## Traditional Immuno-Modulatory Agents for Prevention and Cure of COVID-19 Like Conditions

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### ABSTRACT

Immuno-modulatory agents are capable of modulating human immune system and related pathological conditions. Several traditional natural agents are still in use that directly or indirectly impact antigens through the adaptive defence mechanism of the host cell. Corona virus disease 2019 (COVID-19), a recent pandemic, is an infectious disease caused by severe acute respiratory syndrome coronavirus-2 (SARS Co-2) that is related to the immune system of an individual. It's a potentially lethal condition that not only affects public health but has also affected the economy of the entire world. In countries like India that are equipped with traditional treasure of natural agents having immuno-modulatory potential, could be able to fight well with such pandemic and draw the attention of the world towards such traditional natural resources. As per the Indian traditional knowledge of Ayurveda, *Rasayana Chikitsa* (immune-modulating therapy) and *Rasayana dravyas* (immunomodulators) have prodigious importance in promoting health, by acting on immune mechanisms, and reduces the burden of occurrence of diseases like COVID-19. Therefore, related literature-based studies were performed on natural immunomodulators, traditional medicinal plants such as *Piper longum* (Pippali), *Tinospora cordifolia* (Guduchi), *Aloe Vera*, *Panax ginseng*, *Andrographis paniculata*, *Clausena excavate*, etc. Here an attempt has been made to draw the attention of the scientific community and young professionals to revitalize the interest in Indian traditional natural sources having capability of modulating immune system for exploring their phytoconstituents and related cellular mechanism with the help of systemic scientific research.

**Keywords:** immunomodulators, antigens, natural resources, host cells

