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Nutraceuticals and Biological Activity of Medicinal and Food Plants on Improving Human Well Being

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Message from the Guest Editors

Medicinal plants are a rich source of nutraceutical and pharmacological compounds including polyphenols, carotenoids, alkaloids, and sulfur-containing compounds. The biological activities of medicinal plants are gaining interest in the ethno-therapeutic industry due to their reported effectiveness in comparison to chemically synthesized medicines. For example, the use of medicinal plants to develop natural antiseptics for oral health has been associated with reduced periodontal diseases. The chemical composition of *Dichrostachys cinere* L., which is often used as a chewing stick to treat toothache, was found to be dominated by glycosides, saponins, tannins, amino acids, and terpenoids from the leaves and saponins, tannins, steroids, and cyanoglycosides from the stems. These nutraceutical compounds were then associated with inhibiting spore germination and demonstrated an antimicrobial activity towards common oral pathogens. Therefore, this Special Issue aims to document the efficiency of medicinal plant extracts on the treatment and prevention of various human ailments and diseases.



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Special *Issue*



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Message from the Editor-in-Chief

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