



Natural Antifungal Agents

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Message from the Guest Editor

Fungi are the highest threat for animal–host and plant–host species. Over one billion people suffer from severe fungal diseases. Bats, amphibians, and reptiles are threatened with extinction by animal pathogenic fungi. Plants and crops are also damaged by fungal diseases. In addition, there is an increase in emerging pathogens and resistance to antifungal drugs. The need to identify new safe agents to reduce the global burden of fungal diseases has prompted the study of plant products as a source of new and effective antifungal agents. Plant products represent a nearly unlimited source of active ingredients. The antifungal activity of some plant extracts against human and plant fungal pathogens has been demonstrated.

In this context, studies focusing on exploring the activity of plant products on the growth and on the virulence factors of human/animal/plant pathogenic fungi are required.

Plant products could be used to improve the efficacy of conventional antimicrobials, to decrease their adverse effects, and to reverse drug resistance. Selected plant compounds could be also used as templates for the development of new scaffolds of drugs.





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Message from the Editor-in-Chief

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