



Curcumin in Health and Disease 4.0

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Message from the Guest Editor

The plant-derived polyphenol Curcumin has been used in health and disease for thousands of years and its therapeutic effects have been successfully utilized in Ayurvedic and Traditional Chinese Medicine in order to treat inflammatory diseases.

Natural plant-derived compounds like Curcumin have one significant advantage: They largely do not exert side effects. This feature qualifies Curcumin for primary prevention, in healthy persons with a predisposition to cancer, arteriosclerosis or chronic inflammatory diseases. Nonetheless, Curcumin is considered "safe", however, toxic effects especially concerning high dosages, long-term intake and pharmacological interactions with other compounds have to be tested.

This Special Issue examines in detail, and provides an update on, the molecular targets, protective effects, and modes of action of natural plant-derived compounds and their roles in the prevention and treatment of human diseases.





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Message from the Editor-in-Chief

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