



## Application of Natural Products in Prevention of Bone Related Diseases

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### Message from the Guest Editors

The application of natural products for the prevention of bone-related diseases has recently gained significant attention. Natural products such as food sources, herbs, and plants contain various vitamins, minerals, and other bioactive compounds that have beneficial effects on bone health.

A multitude of studies has suggested the potential benefits of natural products for the prevention of bone loss and the improvement of bone density by modulating bone remodeling processes, ameliorating oxidative stress and inflammation, and augmenting the bioavailability of essential minerals, such as calcium and magnesium.

Furthermore, natural products exhibit the potential to provide additional benefits beyond bone health, including anti-menopausal, anti-osteoarthritic, and anti-cancer effects. These advantages can be attributed to the presence of various bioactive compounds that can modulate several signaling pathways and cellular processes involved in these diseases.

In summary, the utilization of natural products for the prevention of bone-related diseases holds great promise and may significantly enhance the quality of life for individuals afflicted with or at risk of these conditions.





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