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## Bone Metabolism and Plant-Derived Pharmaceuticals

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submissions:

**closed (20 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

Bone homeostasis is regulated by a balance between osteoblastic bone formation and osteoclast bone resorption. Disruption of this balance is a hallmark of skeletal disorders such as osteoporosis, bone cancer and arthritis, which in aging populations represent major healthcare challenges.

Numerous epidemiological studies have linked diet and skeletal health. In particular, plant-rich diets or supplements have been suggested to improve skeletal metabolism and bone health. Plants contain a multitude of metabolically active compounds that could affect bone cell activity, but understanding of the nature of these compounds and their impact on bone metabolism is incomplete.

This Special Issue, “Skeletal Metabolism and Plant-Derived Pharmaceuticals”, welcomes original articles, reviews, or meta-analyses exploring the impact of plant-derived compounds on bone cell activity, turnover and skeletal health and disease, with special interest in underlying cellular and molecular mechanisms. This may help to identify novel plant-derived pharmaceuticals or inform dietary or lifestyle recommendations.



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