



The Role of Natural Compounds in Osteoblastic and Osteoclastic Cells

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Message from the Guest Editors

Osteoporosis is an abnormal bone remodeling condition characterized by decreased bone density, which leads to high risks of fracture. It is a common disease caused by an imbalance between bone resorption by osteoclasts and bone formation by osteoblasts. Osteoporosis is a major concern in public health care, and causes severe consequences if left untreated. Although a few potent pharmacological therapies are available for the treatment of osteoporosis, most of these drugs have side effects. Herbal treatment for osteoporosis would be advantageous because natural plants have fewer side effects, making them more suitable for long-term use. The preventive and therapeutic effects of phytochemicals, as potential alternative treatments for osteoporosis, have been reported.

We are particularly interested in manuscripts that describe the role of natural compounds in the bone remodeling process through the induction of osteoblast differentiation and/or the reduction of osteoclast differentiation. Therefore, this Special Issue will focus on the mode of action (molecular mechanisms) underlying the anti-osteoporotic effects of natural compounds.





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Message from the Editor-in-Chief

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