

Special Issue

The Role of Natural Compounds in Osteoblastic and Osteoclastic Cells

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.

Guest Editors

Dr. Seon-Yong Jeong

Department of Medical Genetics, College of Medicine, Ajou University, Suwon, Republic of Korea

Dr. Eunkuk Park

Department of Medical Genetics, Ajou University School of Medicine, Suwon 16499, Republic of Korea

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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