

Special Issue

Natural Compounds for Skeletal Muscle Health and Regeneration

Message from the Guest Editor

The skeletal muscle system is critical to movement, metabolism, and overall health. However, muscle degeneration and impaired regeneration, whether caused by aging, disease, or injury, present significant healthcare challenges. This Special Issue will delve deeply into the molecular mechanisms by which natural compounds can promote skeletal muscle health and regeneration. We particularly encourage research into the molecular pathways that drive muscle regeneration, regulate protein synthesis, influence mitochondrial function, and remodel the extracellular matrix. Research into bioactive compounds and their effects on key signaling pathways involved in muscle degeneration, inflammation, and repair is greatly appreciated. Contributions that unravel the mechanistic actions of naturally derived molecules in combating muscle-related diseases, such as sarcopenia and atrophy, will be precious.

Guest Editor

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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.

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