

Special Issue

Vitamin D and Its Derivatives in Pharmacology: Mechanisms and Therapeutic Applications

Message from the Guest Editor

The enormous progress made in understanding of the molecular actions of vitamin D in recent decades—including its genomic (VDR-dependent) and non-genomic interactions with numerous intracellular signaling proteins that regulate a wide range of biological processes in many tissues and cells—has revealed its broad spectrum of effects on the entire organism. At the same time, a growing number of reports indicate that vitamin D deficiency not only adversely affects the health of the musculoskeletal system but also constitutes a significant risk factor for various health outcomes, such as cardiovascular disease, inflammation, cancer, and disorders of the immune, nervous, respiratory and reproductive systems. These observations have attracted the attention of clinical researchers and health care professionals who are currently investigating vitamin D and its derivatives for their protective and therapeutic effects. The Special Issue aims to showcase outstanding review articles covering all aspects of vitamin D and its derivatives, including their discovery, testing, analysis, approval, delivery, manufacturing and clinical applications.

Guest Editor

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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