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Vitamin K in Chronic Disease and Human Health

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submissions:

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Message from the Guest Editors

Vitamin K is a complex of fat-soluble vitamins, which has a plethora of potential properties, including the prevention and treatment of arterial calcifications, coronary heart disease, and cancer, the improvement of bone strength, the reduction of fracture risk, as well as the improvement of insulin sensitivity. Additionally, vitamin K may play a vital role in the stabilization of INR control for patients on warfarin. Additionally, vitamin K is required for osteocalcin carboxylation, thus regulating bone mineral formation and growth. Vitamin K inhibits apoptosis in vascular smooth muscle cells and reduces the differentiation of vascular smooth muscle cells to osteoblasts. The impact of vitamin K on hemostasis, bone formation, and prevention of vascular calcification remains a subject of the ongoing investigation. Although there are data that suggest that long-term vitamin K supplementation might beneficially affect cardiovascular disease, bone density, fracture risk, and insulin resistance, the current evidence remains controversial.

This special issue invites original research and review papers on the role of “Vitamin K in Chronic Disease and Human Health”.



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Special Issue



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