

Special Issue

Vitamin K and Vitamin K-Dependent Proteins in Homeostasis and Pathology

Message from the Guest Editors

Vitamin K (VK) is a multifunctional micronutrient with protective roles in many chronic inflammatory and age-related diseases such as cardiovascular diseases, diabetes, and more recently linked to COVID-19. This wide range of biological effects has been attributed mainly to its function as a co-factor for the γ -carboxylation of extra-hepatic vitamin-K-dependent proteins (VKDPs), but novel γ -carboxylation-independent roles have been suggested. Molecularly, extra-hepatic VKDPs are involved in many biological functions such as bone homeostasis, ectopic calcification, cell differentiation and proliferation, inflammation, and signal transduction. This Special Issue is dedicated to highlighting recent advances in the field of VKDPs and vitamin K biology, providing novel molecular insights into their functional role in health and disease, and therapeutic and nutraceutical application. We invite authors to submit reviews or original research articles on any of the above topics.

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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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