

Special Issue

Nutritional and Molecular Modulators of Vascular Inflammation and Regeneration

Message from the Guest Editor

Vascular inflammation and impaired regeneration are central to the pathogenesis of numerous chronic diseases, including cardiovascular disorders, diabetes, pulmonary hypertension, and age-related vascular decline. Emerging evidence highlights that both nutritional factors and molecular pathways strongly influence vascular health, not only by modulating inflammatory responses but also by orchestrating endothelial and smooth muscle cell repair, angiogenesis, and tissue remodeling. Understanding the interplay between bioactives, nutrients, and molecular regulators offers exciting opportunities for novel therapeutic strategies aimed at maintaining or restoring vascular integrity. This Special Issue invites original articles and reviews that explore the mechanisms by which nutritional and molecular modulators regulate vascular inflammation and repair. Topics of interest include—but are not limited to—dietary components, molecular pathways, and cellular players involved in vascular repair. Studies examining translational approaches, biomarkers, or interventions that link nutrition and molecular regulation to improved vascular outcomes are especially encouraged.

Guest Editor

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About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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