

Special Issue

Endothelial Deregulation in Diabetes

Message from the Guest Editor

Persistent low-grade inflammation correlates with endothelial dysregulation and is the basis for cardiovascular disease (CVD), which is specifically important in the onset of exacerbated diabetic complications. A plethora of risk factors cause metabolic dysfunction in diabetes, but the focus of attention has now shifted to lifestyle, epigenetic factors, diet, obesity, and physical activity. Age-old cuisines such as the Mediterranean diet contain a wide array of polyphenolic compounds, which reduce inflammation and oxidative stress, as well as improving the lipid profile, insulin sensitivity, and endothelial function. There are novel biomarkers (sCD40I, IL-18, WINT5A, IL-8, MMP9, CCL5, CXCL10, MIP-1, NOX, FOXO, and SIRT1) that are considered as more reliable indicators of endothelial inflammation; these produce pro-inflammatory cytokines and upregulate endothelial dysfunction. Papers addressing these topics are invited for this Special Issue, especially those combining the relation of diet and nutrition in the prevention or the treatment of endothelial dysregulation and diabetic complications.

Guest Editor

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Deadline for manuscript submissions

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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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