

Special Issue

Oxidative Stress and Inflammation in Cardiovascular Disease

Message from the Guest Editor

Growing bodies of evidences indicate that oxidative stress and inflammation are intricately linked mechanisms and are significant drivers in the development and progression of cardiovascular disease. Oxidative stress also causes myocardial tissue damage and inflammation, contributing to heart failure progression, while a subclinical inflammatory state may be caused by heart failure comorbidities such as obesity or diabetes mellitus. The close interaction of inflammation with oxidative stress is corroborated by clinical data reporting an aggravated inflammatory phenotype in the absence of antioxidant defense proteins (e.g., superoxide dismutases, heme oxygenase-1, and glutathione peroxidases) or overexpression of reactive oxygen species producing enzymes (e.g., NADPH oxidases) and a normalization of oxidative stress exerted by antiinflammatory drugs in cardiovascular diseases. This Special Issue is calling both original articles and reviews providing to the readers of IJMS a comprehensive, deep understanding of our current knowledge on oxidative stress and inflammation in cardiovascular diseases.

Guest Editor

Dr. Ada Popolo

Department of Pharmacy, University of Salerno, 84084 Fisciano, SA, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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