Special Issue

Oxidative Stress in Hepatic Diseases

Message from the Guest Editor

The Special Issue "Oxidative Stress in Hepatic Diseases" focuses on the pivotal role of oxidative stress in the progression and pathology of various liver diseases, including non-alcoholic fatty liver disease (NAFLD), alcoholic liver disease, viral hepatitis, and liver fibrosis. Oxidative stress results from an imbalance between the production of reactive oxygen species (ROS) and the liver's antioxidant defense systems, leading to cellular damage and inflammatory responses that drive liver disease progression. This issue aims to explore the mechanisms through which oxidative stress impacts hepatic health, including mitochondrial dysfunction, lipid peroxidation, and inflammatory cascades. We invite research on the molecular pathways involved, the identification of novel biomarkers for early diagnosis, and potential therapeutic strategies targeting oxidative stress. Through both original research and review articles, this Special Issue seeks to provide insights into innovative approaches to reduce oxidative damage, improve liver function, and ultimately enhance patient outcomes in hepatic disease management.

Guest Editor

Dr. Miquel Mulero

Nutrigenomics Research Group, Department of Biochemistry and Biotechnology, Universitat Rovira i Virgili, 43007 Tarragona, Spain

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/antioxidants

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About the Journal

Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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