Special Issue

Bilirubin and Oxidative Stress

Message from the Guest Editor

Unconjugated bilirubin (UCB) is the final product of the heme catabolic pathway. The behavior of UCB in a human body has two faces, similar to the Roman god Janus Bifrons. Elevated serum/plasma UCB concentration, and in particular the Bf fraction, exposes babies to the risk of neurotoxicity. Conversely, mildly elevated systemic bilirubin concentrations such as in Gilbert syndrome (GS) protect against various oxidative-stress-mediated and metabolic diseases including cardiovascular diseases (CVDs), type 2 diabetes, metabolic syndrome, and some types of cancer. We invite you to submit your latest research findings or a review article to this Special Issue, which will bring together current research concerning both bilirubin's protective and neurotoxic effects. This research can include both in vitro and in vivo studies relating to the role of mild or severe hyperbilirubinemia in signaling, cell metabolism, cell cycle, epigenetic regulation, cellular stress, and disease. We look forward to your contribution.

Guest Editor

Dr. Cristina Bellarosa
Fondazione Italiana Fegato ONLUS, AREA Science Park Basovizza, Trieste, Italy

Deadline for manuscript submissions

closed (31 December 2021)

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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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