

## Special Issue

# Oxidative Stress in Preterm Infants

### Message from the Guest Editor

Oxidative stress is implicated in the pathogenesis of several pathologic conditions of the preterm newborn, commonly referred to as “oxygen radical diseases of neonatology” to underline the crucial role of oxidative stress in this wide range of neonatal morbidities. In order to counteract free radicals damage, many strategies to augment antioxidant status in preterm infants have been proposed, and several medications have been tested with mixed results. Several studies have tested the efficacy of melatonin in diseases of newborns such as chronic lung disease, perinatal brain injury, necrotizing enterocolitis, and retinopathy of prematurity, giving promising results. We invite you to submit your latest research findings, both in vitro and in vivo studies, or a review article to this Special Issue, which will bring together current research concerning oxidative stress in preterm infants and the action that antioxidant therapies, such as melatonin, can play to counteract this oxidative damage.

### Guest Editor

Prof. Dr. Eloisa Gitto

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### Deadline for manuscript submissions

closed (29 February 2020)



## 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.

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### Editor-in-Chief

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