Mediators of Inflammation

# Special Issue on Antioxidative Strategy for Inflammatory Diseases

## Call for Papers

Cellular oxidants are unique classes of signaling messengers control signal transduction events to drive desirable cellular and biological responses, such as inflammatory cytokine production. However, imbalance oxidative stress causes both cellular and biological damages. Thus, it is reasonable to counterbalance oxidative stress to treat inflammation-related diseases by modulating reactive oxygen species production. Such antioxidative therapeutic strategies include various endogenous and exogenous antioxidative enzymes, antioxidants, and radical scavengers.

This special issue will allow clinicians and researchers to summarize the recent ideas with respect to the regulation of oxidative stress and provide the antioxidative therapeutic and delivery strategy for inflammatory diseases. In addition, this special issue aims to inspire novel antioxidant/drug development targeting the cellular reduction-oxidation (redox) networks to treat inflammatory diseases. Potential topics include, but are not limited to:

- Therapeutic strategies by modulating oxidative stress in inflammatory diseases
- Development of antioxidants (enzymes, phytomedicines, nutrients, or radical scavengers) for inflammatory diseases
- Cellular redox networks and free radical biology in inflammation
- Oxidative biomarkers for inflammatory diseases
- Oxidative stress in immune cell proliferation and death
- Redox-sensitive signal transduction pathways receptor, kinase, and transcription factor (such as Nrf2, NF-$\kappa$B, or AP-1) cascades) in inflammation

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