

## Special Issue

# Antioxidant and Anti-Inflammatory Properties of Incretin-Based Therapies—Implications for Acute and Chronic Disease

### Message from the Guest Editors

GLP-1 is an incretin hormone released from L-cells in the intestine. Inhibitors of the DPP-4 comprise the new drug class of gliptins for the treatment of diabetes. GLP-1 analogs and gliptins have potent anti-inflammatory, antioxidant and other beneficial effects. We invite the submission that cover the following topics to this SI:

- Improvement of the pathophysiology of the above chronic diseases in animal or patients by treatment with one of the mentioned drug classes, preferably phenotypic characterization with mechanistic insight into the mode of action of the drugs;
- Proof-of-concept studies showing that GLP-1 analogs and gliptins act as anti-inflammatory and antioxidant or by another mechanism via well-characterized pleiotropic effects; the studies should use accepted markers of inflammation or oxidative stress that are assessed by state-of-the-art techniques, preferably using at least two complementary methods;
- Cell culture studies will only be considered if they provide mechanistic insights and data from at least two different cell types; the studies should use superior techniques, not only ELISA and other descriptive biomarkers.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2021)



## 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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