







an Open Access Journal by MDPI

# NO(NOx) and H2S

Guest Editor:

#### **Prof. Dr. Bulent Mutus**

Department of Chemistry and Biochemistry, University of Windsor, Windsor, ON N9B 3P4, Canada

Deadline for manuscript submissions:

closed (29 February 2020)

## **Message from the Guest Editor**

As we are aware, nitric oxide (NO) (its redox-related products-NOx) and hydrogen sulfide (H<sub>2</sub>S) are important signaling molecules produced in the body, playing major roles in the function as well as dysfunction of the nervous system, immune system, and circulatory system. In the cellular milieu, NO and H<sub>2</sub>S react with each other as well as with oxygen and other biomolecules to form both stable and unstable derivatives that help mediate their physiological and pathological effects. However, the identity of the protein molecular target(s) of H<sub>2</sub>S as well as the structure of the protein-modulating H<sub>2</sub>S derivative(s) remains largely unknown. In addition, the crosstalk between NO- or H<sub>2</sub>S-mediated cellular processes is poorly understood.

We welcome original contributions to this Special Issue covering all aspects of NO(NOx) and H<sub>2</sub>S signaling and on the *in vivo* detection of NO(NOx), H<sub>2</sub>S and its derivatives; protein targets implicated in signaling; and the metabolism of NO(NOx) and H<sub>2</sub>S. Studies examining the use of H<sub>2</sub>S and related compounds in alleviating NO(NOx)-induced pathologies are especially welcome.













an Open Access Journal by MDPI

## **Editor-in-Chief**

## Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

# **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.

#### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, PubAg, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)

#### **Contact Us**