

## Special Issue on **Oxidative Stress in Disease and Aging: Mechanisms and Therapies 2018**

# CALL FOR PAPERS

The population affected by chronic disease and aging has been increasing in the last decades. Several and diverse causes produce these pathological states and a common mechanism involved in most of them is oxidative stress. Cellular oxidative stress is defined as an imbalance between formation of reactive oxygen species (ROS) and antioxidant defense mechanisms. Due to the broad and profound biological effects of ROS, in the last years numerous experimental and clinical studies have focused their attention on the participation of oxidative stress as a key regulator in chronic pathological status and aging.

We invite researchers and scientists to apply and contribute original research articles as well as review articles that reflect the progress to elucidate the mechanisms by which the balance between ROS and cellular antioxidant machinery may be altered during aging and chronic disease causing oxidative damage. We welcome all articles that describe new and important findings on the role of oxidative stress in disease or aging. The submission of manuscripts that allow expanding of the knowledge and that describe new strategies to treat or prevent a pathological status in which oxidative stress might be involved is expected.

Potential topics include but are not limited to the following:

- ▶ New mechanisms involved on the oxidative damage in aging and chronic diseases: role of ROS and antioxidant defense
- ▶ Recent advances on cellular and molecular aspects of mechanism, therapy, or prevention of chronic diseases and age-related diseases in which oxidative stress is involved and potentially can be a target for interventions
- ▶ Studies directed to find and develop new antioxidant drugs for prevention of chronic diseases and aging

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/omcl/osda18/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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### **Submission Deadline**

Friday, 12 January 2018

### **Publication Date**

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