

Special Issue on **Oxidative Stress in Aging-Related Noncommunicable Disease**

CALL FOR PAPERS

We live in an aging world, in which medical advances have resulted in increased life expectancy. This new demographic distribution has led to an epidemiological transition where the predominance of infectious diseases is shifting to noncommunicable diseases (NCDs). NCDs kill 40 million people each year, equivalent to 70% of all deaths globally, and include a range of chronic conditions associated with population aging, including cancer, diabetes, hypertension, cardiovascular disease, nonalcoholic fatty liver disease, and Alzheimer's and other dementias. A key role for oxidative stress has been suggested in the development and maintenance of NCDs acting as a signal for accelerated senescence.

We invite worldwide researchers to contribute with original research articles as well as review articles that reflect the up-to-date advances to elucidate the mechanisms by which oxidative stress signaling pathways may be altered during aging-related NCDs contributing to disease progression or accelerating senescence. We welcome all articles that describe novel and attracting findings regarding the role of oxidative stress in aging-related NCDs, from basic to clinical research. The submission of manuscripts proposing novel strategies to treat or prevent aging-related NCDs in which oxidative stress might be involved is expected.

Potential topics include but are not limited to the following:

- ▶ Advances in cellular and molecular aspects of aging-related NCDs in which oxidative stress is involved and potentially can be targeted for future interventions
- ▶ Studies directed to understand the mechanisms related to NCDs in aging
- ▶ Studies directed to find and develop new antioxidant drugs for prevention or treatment of aging-related noncommunicable disease
- ▶ Novel proposed mechanisms involved in the oxidative damage in aging-related noncommunicable disease
- ▶ Studies regarding the role of metabolic syndrome and obesity in the progression of Alzheimer diseases or other age-related dementias
- ▶ Aging as a risk factor for NCDs and the role of NCDs in aging acceleration

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

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

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