Special Issue

Oxidative Stress in Aging and Neurodegenerative Diseases

Message from the Guest Editor

A plethora of experimental and clinical research data have indicated that oxidative stress has contributed to aging and related neurodegenerative diseases such as Alzheimer's disease (AD), Parkinson's disease (PD), Lou Gehrig's disease or Amyotrophic lateral sclerosis (ALS), etc. As such, further understanding of pathological mechanisms involving oxidative stress in aging and neurodegenerative diseases may help with developing targeted antioxidant therapies for aging and age-associated neurodegenerative diseases. This Special Issue aims to featuring oxidative stress research in the field of aging and related neurodegenerative diseases. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Oxidative stress in aging
- Oxidative stress in Alzheimer's disease
- Oxidative stress in Parkinson's disease
- Oxidative stress in Lou Gehrig's disease
- Anti-oxidative stress drug discovery
- Targeted Antioxidant Therapy
- Molecular imaging methods and agents for oxidative stress

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).