Special Issue

Role of Mitochondria in Environmentally and Dietary Modulated Age-Associated Diseases

Message from the Guest Editors

Aging is the most important risk factor for the development of a large number of disorders. Genetic factors, but more prominent environmental factors including diet concurrently shape human health and aging. Mitochondria are key players in the aging process. The focus of this special issue will be to highlight our current knowledge on the important role of mitochondria in environmentally including dietary modulated aging and associated diseases. Moreover, relevant manuscripts will primarily investigate novel underlying molecular mechanisms of environmental factors in modulating mitochondrial or mitochondria-related intracellular functions with direct consequences on aging and associated diseases, along with possible targeted preventive or therapeutic strategies.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2021)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/65153

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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).