

Special Issue

Mitochondrial Dysfunction in Degenerative Diseases

Message from the Guest Editor

Mitochondrial quality is controlled by a myriad of interconnected systems, including: 1. enzymatic and non-enzymatic elements capable of fighting oxygen-mediated mitochondrial toxicity; 2. mitochondrial proteases and chaperones responsible for the maintenance of mitochondrial proteostasis; and 3. a multilayer network of proteins involved in the control of mitochondrial morphology, location, and number. In this Special Issue, we invite investigators to contribute their original research, perspective or review articles to broaden our understanding of the regulatory processes involved in mitochondrial bioenergetics, surveillance, and quality control mechanisms in health and disease. We encourage the submission of basic, translational, and clinical studies describing signaling mechanisms and novel approaches for diagnostics and therapeutics according to the proposed topic.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2021)



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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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).