Special Issue

Redox Regulation by Nrf2 in Health and Disease

Message from the Guest Editor

Nuclear factor erythroid 2-related factor 2 (Nrf2) is a master regulator of cellular antioxidant responses and plays a pivotal role in maintaining redox homeostasis. This Special Issue of Cells aims to gather cutting-edge research that explores the diverse roles of Nrf2-mediated redox regulation across various biological systems and conditions.

We invite submissions from researchers working on different aspects of Nrf2 biology, including but not limited to: Molecular Mechanisms, Cellular Physiology, Signaling Crosstalk, Gene Expression and Epigenetics, Inflammation and Immunity, Pharmacological Modulation, Model Organisms and In Vitro Systems.

We encourage submissions of original research articles and reviews that advance our understanding of Nrf2 biology and its potential applications in both basic science and translational research.

We look forward to receiving high-quality contributions that will enrich our understanding of Nrf2's critical functions in redox regulation and beyond.

Guest Editor

Dr. Pandu Gangula
Department of ODS and Research, School of Dentistry, Meharry Medical College, Nashville, TN 37208, USA

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

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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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

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Rapid Publication:

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).