

Special Issue

Environmental Exposure and Cell Damage

Message from the Guest Editors

Various environmental factors may adversely affect cellular structures and functions in living organisms. Key environmental elements include pollutants (such as heavy metals, pesticides, and air pollutants), radiation (ultraviolet, ionising radiation, infrared radiation (heat)), and lifestyle factors (such as smoking and a poor diet). These exposures can lead to oxidative stress, inflammation, and direct damage to cellular components, including DNA, proteins, and lipids. In summary, environmental exposure to harmful agents can cause significant cellular damage through mechanisms involving oxidative stress, inflammation, and direct molecular damage. Understanding these processes is crucial for developing strategies to mitigate the impact of environmental hazards on human health.

Guest Editors

Prof. Dr. Paola Piomboni

Dr. Alice Luddi

Prof. Dr. Melvin K. S. Leow

Deadline for manuscript submissions

closed (20 July 2025)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/207268

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

mdpi.com/journal/

[cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)



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

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,
Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

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).