Special Issue

Advances in Cell Culture Technology

Message from the Guest Editors

Over the past few decades, leaps in cell culture technology have greatly aided researchers achieve many ingenious ways of recapitulating in vivo processes with in vitro systems. In many tissues, however, the recent surge in organoid or organotypic platforms, along other technologies, have propelled in vitro studies to new heights. And, critically, the study of human cells in vitro can provide us great insight into biological processes and disease states unique to us and advances in this domain can therefore help revolutionize therapeutic solutions.

This special issue will gather state-of-the-art methods in cell culture models, which will provide us some potential solutions for overcoming the demands of resources like animal numbers and research time and also avoid harm to human subjects. We will not limit our scope to only new cell culture methodologies, but also innovative treatments and genetically engineered cells in vitro (e.g. using CRISPR-Cas9). We look forward to your enlightening and valuable contributions.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/113182

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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

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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).