

Special Issue

Advances in Cell-Based Studies and Therapeutic Approaches for Tissue Regeneration

Message from the Guest Editors

Regenerative medicine is an exciting multidisciplinary field of research that has gradually matured over the last two decades, offering the promise of advanced therapy and the restoration of an impaired or lost function, by regenerating, maintaining, repairing, or, in some severe cases, replacing the disease-compromised tissue or organ. Thus, the novel therapeutic approaches resulting from regenerative medicine and tissue engineering technology may offer new hope for patients with injuries, end-stage organ failure, or other clinical issues. Since the field of regenerative medicine involves the combination of various disciplines, such as medicine, molecular and cellular biology, materials science, and bioengineering, in this Special Issue we encourage the submission of manuscripts that provide new insights on topics related not only to novel stem cell therapies, but also on the use of a wide range of biomaterials and biotechnologies for soft and hard tissue regeneration, with a particular focus on the degenerative and inflammatory diseases. Original research articles and reviews are both welcomed. We look forward to your contributions.

Guest Editors

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Deadline for manuscript submissions

31 October 2025



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/213840

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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).