Special Issue

Genome Editing Systems, Methods, Techniques and Their Application Series 2

Message from the Guest Editor

With the rapid evolution of site-specific nuclease systems, such as CRISPR-Cas9 and TALEN, genome editing technology has led to a big breakthrough in the field of life science. Precision gene engineering has been achieved in various cells, animals, plants, and microorganisms, and the derivative technologies have been developed and applied in various ways, including transcriptional control, epigenome editing, chromosome visualization, genome-wide screening, and DNA barcoding. This Special Issue covers original research and review papers involved in this type of genome editing and related technologies. A wide range of research topics is acceptable, such as the basic development of genome editing tools and methods, functional genomics studies, and biomedical applications using CRISPR-Cas9. **Keywords**

- Genome editing
- Gene knockout
- Gene knock-in
- Transcription activator-like effector nuclease (TALEN)
- Zinc-finger nuclease (ZFN)
- Epigenome editing
- CRISPR-Cas9

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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).