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

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submissions:

**closed (31 March 2022)**

### Message from the Guest Editor

Dear Colleagues,

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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**Special Issue**



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