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## **New Advances in Bacterial Plasmids**

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Deadline for manuscript submissions:

closed (25 December 2023)

# **Message from the Guest Editors**

Dear Colleagues,

Bacterial plasmids serve as a platform on which genetic material is constantly exchanged and new combinations of genes necessary for adaptation to environmental conditions are assembled. In recent years, it has been further boosted by the development and wide implementation of next-generation sequencing (NGS) technologies. In particular, this has revealed the important role of plasmids in the evolution of antibiotic resistance and the emergence of multidrug-resistant and extensively drug-resistant phenotypes in clinically important bacteria. This Special Issue is aimed at collecting original research and review articles on various aspects of plasmid biology.

Topics include, but are not limited to:

- Plasmid typing and classification
- Characterization of new plasmids
- Plasmid replication and plasmid stability
- Mobile elements in plasmid diversification
- Evolutionary and population dynamics of plasmids
- The role of plasmids in emergence of hypervirulent and/or multidrug-resistant strains













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# Message from the Editor-in-Chief

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