

## Special Issue

# Molecular Advances in Anti-bacterial Polymers

### Message from the Guest Editor

Antimicrobial polymers are important macromolecular structures that could kill pathogenic microorganisms and inhibit their growth activity. They are widely studied in several research areas such as food technology, food packaging, textiles, agriculture and biomedicine.

Antimicrobial polymers are generally categorized into two types based on how they impart antimicrobial activity. The first are polymers with inherent antimicrobial properties that do not require modification to induce antimicrobial activity. The other type requires modification to achieve antimicrobial activity and can be differentiated by the type of modification. Polymers can be chemically modified to induce antimicrobial activity or used as scaffolds for the addition of organic or inorganic compounds.

The purpose of this Special Issue is to supply a platform for research on the development of antimicrobial polymer exploration and evaluation, starting from their synthesis to their biological evaluation, mechanistic studies and modifications.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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