

## 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.

### Guest Editor

Dr. Rosie Yagmur Yegin

Department of Civil and Environmental Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

### Deadline for manuscript submissions

closed (20 February 2025)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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