

## Special Issue

# Nanomaterials and Smart Delivery Systems in Combating Drug-Resistant Infections

### Message from the Guest Editors

This Special Issue titled "Nanomaterials and Smart Delivery Systems in Combating Drug-Resistant Infections" focuses on the collection of primary research and review articles to gather innovative research focused on the application of biomolecules and nanomaterials, particularly those focused on smart hydrogels, to address the pressing challenges posed by drug-resistant bacterial infections. We invite contributions that explore novel synthesis methods and delivery approaches aimed at enhanced antibacterial properties, as well as studies elucidating their mechanisms of action against resistant strains. We encourage submissions that explore mechanisms for regulating drug and cellular interaction. Understanding these interactions is crucial in the pursuit of developing antimicrobials, as they can significantly influence the effectiveness and safety of therapeutic interventions.

### Guest Editors

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### Deadline for manuscript submissions

15 December 2025



## Biomolecules

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### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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### Editors-in-Chief

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