

## Special Issue

# Bacterial Antibiotic Resistance: From Mechanisms to Strategies for Restoring Antibiotic Efficacy

### Message from the Guest Editor

This Special Issue focuses on the urgent global challenge of bacterial antibiotic resistance, bringing together cutting-edge research on resistance mechanisms and innovative strategies to restore antibiotic efficacy. Contributions are invited that explore molecular, genetic, and structural determinants of resistance, as well as novel approaches to enhance drug uptake, inhibit efflux, or disrupt protective barriers. Studies on synergistic therapies, membrane-targeting agents, and diagnostics that guide effective treatment are also welcome. By highlighting interdisciplinary advances, this collection aims to deepen our understanding of bacterial defenses and inspire new interventions to combat resistant infections. We welcome original research articles, reviews, and perspectives that address these critical issues.

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### Guest Editor

Dr. Ishan Ghai

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### Deadline for manuscript submissions

20 January 2027



## Life

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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