

Special Issue

Antimicrobial Resistology: A New Approach in the Fight Against Antimicrobial Resistance

Message from the Guest Editor

The emergence of antimicrobial resistance (AMR) poses a critical global health challenge, necessitating a comprehensive and coordinated response. The content of this research topic encapsulates the investigation of resistance genes and resistant microorganisms, molecular and phenotypic detection and reporting of resistance, and the development of innovative techniques and approaches to combat resistance. It addresses the rise of multidrug-resistant pathogens, such as carbapenem-resistant Enterobacterales (CRE), *Pseudomonas* (CRPA), *Acinetobacter baumannii* (CRAB), methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant Enterococci, and ESBL and AmpC producing Enterobacterales. By defining and formalizing Antimicrobial Resistology, we can enhance our understanding of resistance dynamics, promote interdisciplinary collaboration, and improve strategies for managing and mitigating the impact of antimicrobial resistance on public health.

Guest Editor

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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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