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## Antimicrobial Stewardship and Antimicrobial Resistance

Guest Editor:

**Dr. Jens Bo Andersen**

Costerton Biofilm Center,  
Department of Immunology and  
Microbiology, Faculty of Health  
and Medical Sciences, University  
of Copenhagen, Copenhagen,  
Denmark

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### Message from the Guest Editor

The emergence and spread of antimicrobial resistance (AMR) has become one of the most pressing global health challenges of the 21st century. Historically, the discovery and widespread use of antibiotics revolutionized medicine, drastically reducing mortality from infectious diseases. However, the misuse and overuse of these life-saving drugs in human medicine have led to the rapid development of resistant strains of bacteria, viruses, fungi, and parasites. This resistance threatens to undermine the efficacy of existing antimicrobial agents, making infections harder to treat and increasing the risk of disease spread, severe illness, and death.

This Special Issue aims to advance understanding of the mechanisms underlying AMR, evaluate the impact of AMR on public health and ecosystems, and explore innovative approaches to AMS. This Special Issue seeks to foster interdisciplinary collaboration and present evidence-based strategies for reducing AMR, promoting the judicious use of antimicrobials, and enhancing infection control measures.



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## Message from the Editor-in-Chief

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*Medicina* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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