

## Special Issue

# Antimicrobial Resistance Mechanisms in Pathogenic Bacteria

### Message from the Guest Editor

Antimicrobial resistant (AMR) is a global health crisis of the 21st century. Diseases caused by multidrug resistant (MDR) pathogens are difficult to treat, require long term attention and their treatment is expensive. Recent studies suggest that more people die from AMR related complications than any other disease that previously knew. AMR is a pandemic. It has no border or host limitation, affecting all the component of one health, e.g., humans, animals, plants, and the ecosystem. Antimicrobials are the etiology of the development of AMR because of the selection pressure they exert on pathogens. The development of AMR is dynamic. Pathogens alter its cellular machineries, e.g., target molecules, enzymes, pathways, receptors, etc. so that antimicrobials are not able to exert their functions. To tackle AMR and related health hazards, we need to know the exact mechanism of AMR in pathogens. A clear understanding of the AMR phenomenon from pathogen perspective at molecular level is critical to develop, formulate and adopt strategies to combat AMR. This current issue aims to focus on the antimicrobial resistance mechanisms in pathogenic bacteria.

### Guest Editor

Prof. Dr. Md. Tanvir Rahman

Department of Microbiology and Hygiene, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh

### Deadline for manuscript submissions

closed (10 May 2023)



## Tropical Medicine and Infectious Disease

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

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. John Frean

Pathologist, Parasitology Reference Lab, Centre for Emerging Zoonotic and Parasitic Diseases, National Institute for Communicable Diseases, University of the Witwatersrand, Johannesburg 2192, South Africa

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