



an Open Access Journal by MDPI

Novel Insights into Pathogenesis and Antimicrobial Resistance of *Salmonellae* 2nd Edition

Guest Editors:

Dr. Marialaura Corrente

Department of Veterinary
Medicine, University of Bari Aldo
Moro, Strada Provinciale per
Casamassima, km 3, 70010
Valenzano, Italy

Dr. Elena Circella

Department of Veterinary
Medicine, University of Bari Aldo
Moro, 70010 Valenzano, Italy

Deadline for manuscript
submissions:

closed (31 August 2024)

Message from the Guest Editors

Salmonellae are Gram-negative organisms belonging to the family *Enterobacteriaceae*. More than 2500 serotypes have been described within the genus. Several animal species may act as reservoirs for *Salmonella* spp., including livestock animals, pets, and cold-blooded animals. Non-typhoidal salmonellosis in humans is usually due to the consumption of food of animal origin or contact with animals. Moreover, infections with invasive serotypes or multidrug-resistant strains may cause high morbidity and mortality with increased costs for therapy and long periods of hospitalization.

The focus of this Special Issue is to describe the mechanisms of pathogenesis of salmonellae, through innovative techniques of genome sequencing and in vivo and in vitro experimental models. Studies on mechanisms of antibiotic resistance and new control strategies other than antibiotics will also be considered.



mdpi.com/si/177246

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Moriya Tsuji

School of Engineering Medicine,
Texas A&M University, 2121 West
Holcombe Blvd., Suite 1007,
Houston, TX 77030, USA

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)

Contact Us

Pathogens Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pathogens
pathogens@mdpi.com
[X@Pathogens_MDPI](https://twitter.com/Pathogens_MDPI)