Special Issue

Bacterial Disease Research in Livestock and Poultry

Message from the Guest Editor

Bacterial infections remain a critical threat to livestock and poultry health, welfare, and productivity worldwide, posing significant risks to food security, economic stability, and public health through zoonotic transmission and antimicrobial resistance (AMR). This Special Issue seeks to compile cutting-edge research addressing the multifaceted challenges of bacterial diseases in these vital animal sectors. We enthusiastically welcome researchers to submit their original research and review articles, brief research reports, and opinions. The potential themes covered by this Special Issue include, but are not limited to, the following:

- Antimicrobial resistance, virulence, pathogenicity, and transmission mechanisms of bacterial diseases;
- Emerging and endemic bacterial infections;
- Development of accurate typing methods to track the dissemination of zoonotic bacteria;
- Development of sustainable detection methods to tackle bacterial infections;
- Development of effective vaccines to prevent bacterial diseases⬚
- Development of novel antibacterial agents to counteract pathogen-mediated antimicrobial resistance and virulence.

Guest Editor

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Deadline for manuscript submissions

30 June 2026

Animals

About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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