

Special Issue

Bacterial Diseases in Animal Production

Message from the Guest Editor

This Special Issue aims to gather cutting-edge research and comprehensive reviews that address the biology, pathogenesis, epidemiology, diagnosis, prevention, and treatment of bacterial diseases affecting livestock and other production animals. In line with the scope of the journal, it will highlight multidisciplinary approaches ranging from microbiology and genomics to veterinary medicine, epidemiology, and food safety. By providing an integrated platform, this Special Issue will foster knowledge exchange and promote solutions to reduce the burden of bacterial pathogens in animal production. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Epidemiology and surveillance of bacterial pathogens in production animals;
- Molecular mechanisms of virulence and host-pathogen interactions;
- Antimicrobial resistance: mechanisms, prevalence, and mitigation strategies;
- Development and evaluation of vaccines and alternative therapeutics;
- Diagnostic tools and innovative methodologies for bacterial detection;
- The role of the microbiome in health and disease.

Guest Editor

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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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