

## Special Issue

# Second Edition: Decoding the Genetics of Bovine Mastitis

### Message from the Guest Editor

Mastitis in dairy cow causes significant economic losses through the decreased production and milk quality. The compromised milk also poses a health hazard if it is consumed. Pathogenic microbial infection is the main cause of mastitis. Pathogens can colonize and multiply in the mammary gland, and can enter and persist in host cells. Most antibiotics cannot enter cells or may be ineffective if their cellular concentration is too low. Pathogens can also develop resistance to antibiotics. Residual antibiotics in milk present significant food safety problems for human health. Therefore, non-antibiotic methods for the prevention and treatment of bovine mastitis have attracted great interest. This research topic will focus on applying the advances to explore gene regulation and its molecular mechanism in bovine mastitis.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 January 2024)



## Animals

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### 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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