

Special Issue

The Impact of Microbiome on the Reproductive Tract of Livestock

Message from the Guest Editor

For many years, there has been a dogma that specific body sites are sterile. With the launch of the human microbiome project in 2007, this dogma has been challenged by many. The microbiome consists of microorganisms and their genome within a specific community, which includes discrete areas of the body. Emerging data in other species, including livestock, supports the presence of a microbiome in once thought sterile organs, such as the uterus. Techniques using novel metagenetic analyses have permitted investigation into the interaction between resident bacterial communities and their host in both cattle and horses. The possible identification of bacterial targets that may be associated with adverse reproductive outcomes has the potential to revolutionize livestock reproductive management.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2023)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



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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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