

Special Issue

The Role of Reproductive Microbiota in Animal Fertility and Reproductive Health

Message from the Guest Editors

Recent advances in microbiome research highlight the crucial role of reproductive microbiota in fertility, reproductive health, and breeding programs. These microbial communities influence sperm quality, embryo development, and overall reproductive success.

Understanding host-microbiota interactions can enhance reproduction, prevent diseases, and aid conservation. Microbial balance in male and female reproductive systems is vital for reproductive health.

Additionally, microbiota from other organs, such as the gut and mammary glands, may indirectly impact reproduction through complex interactions.

Incorporating microbiota-based strategies into assisted reproductive technologies and conservation efforts presents new opportunities for improving reproductive outcomes in domestic and wild animals. This Special Issue aims to deepen our understanding of reproductive microbiota's role in fertility and breeding. We hope to inspire further research and foster innovative microbiota-based interventions to enhance reproductive success across animal populations.

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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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