

## Special Issue

# Applications of Doppler Ultrasound in Animal Reproduction

### Message from the Guest Editors

Doppler ultrasonography is a noninvasive diagnostic technique that uses the Doppler effect to measure blood flow in anatomical structures. It is widely used in veterinary medicine to evaluate the male and female genital systems in animals, allowing the identification of pathology, the monitoring of reproductive functions, and the management of reproduction-related clinical conditions.

In male animals, Doppler ultrasound is mainly used to examine the testes and prostate. Doppler examination of the prostate is useful in detecting conditions such as prostatitis, benign prostatic hypertrophy, and tumors. In female animals, Doppler ultrasound is used to monitor blood flow in the ovaries and uterus; it is useful in identifying ovarian cysts, tumors, and abnormalities in the estrous cycle. It is also critical in detecting pathologies such as endometritis, fibroids, or malformations.

We invite submissions that explore the clinical utility of Doppler ultrasound in monitoring physiologic and pathologic conditions in the male and female genital tract.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



## Animals

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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