

## Special Issue

# Advances in Equine Reproductive Physiology and Endocrinology

### Message from the Guest Editors

The harmonious development of reproductive activity in females depends on the anatomical, histological, biochemical and hormonal integrity of the ovarian, hypothalamic, pituitary and uterine structures involved. Understanding the regulatory, endocrine, autocrine and paracrine mechanisms that allow for the alternation of follicular and luteal growth phases is essential to understanding reproduction, particularly the cyclicity of females. Reproductive processes in mares, as in other domestic species, are complex. Endocrine imbalances play a particularly prominent role among these factors. Accurate knowledge of the intimate mechanisms underlying these processes can be help diagnose and treat infertility and/or sub-infertility. Moreover, the sexual cycle and pregnancy can alter hormone profiles, thereby changing the physiological endocrine control of the reproductive process. Recent advances in biological, endocrinological and biotechnological knowledge developed in mares have improved their efficiency. This Special Issue focuses on “Advances in Equine Reproductive Physiology and Endocrinology” and therefore welcomes new research and in-depth reviews on these topics in this species.

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### Guest Editors

Dr. Cristina Cravana

Dr. Pietro Medica

Prof. Esterina Fazio

Prof. Dr. Katiuska Satué

Dr. Deborah La Fauci

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### Deadline for manuscript submissions

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## 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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### Editor-in-Chief

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