

Special Issue

Physiology and Pathology of Pregnancy, Delivery and the Postpartum Period in Female Domestic Animals

Message from the Guest Editors

The birth of viable offspring marks the culmination of reproduction, following estrous cycle monitoring and modern reproductive biotechnologies. Yet, pregnancy success can be lost within minutes if fetal or neonatal death occurs. Understanding the physiology of the perinatal period and developing tools for early detection of alterations are crucial for optimal embryonic and fetal development. In domestic species of zootechnical value, pregnancy, parturition, and puerperium disorders reduce reproductive efficiency and cause economic losses. In companion animals, a growing human–animal bond drives demand for ethical, safe reproduction programs. Effective peripartum monitoring safeguards maternal, fetal, and neonatal health. This Special Issue focuses on advanced methods for detecting prenatal disorders and modern therapies for perinatal conditions. We aim to gather impactful studies on placentation, pregnancy and parturition endocrinology, disease diagnosis during gestation, complications, obstetric interventions, and neonatal care in ruminants, equines, swine, small ruminants, canines, and felines.

Guest Editors

Prof. Dr. Camila Infantosi Vannucchi

Department of Animal Reproduction, School of Veterinary Medicine and Animal Science, University of São Paulo, São Paulo 05508-270, Brazil

Dr. Gisele Almeida Lima da Veiga

Department of Animal Reproduction, School of Veterinary Medicine and Animal Science, University of São Paulo, São Paulo 05508-270, Brazil

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips
Curtin University Sustainable Policy (CUSP) Institute, Curtin University,
Kent St., Bentley, WA 6102, Australia

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