

Special Issue

Advances of Endocrinology in Animal Reproduction

Message from the Guest Editors

In recent decades, the amount of environmental contaminants (e.g., organic and inorganic contaminants in soil, air, water, food, packing materials, etc.) that animals are exposed to has increased due to increased industrialization, urbanization, and climate change. Further, intensive breeding (e.g., for litter size, growth performance, milking performance, etc.) and the use of hormones for controlling reproduction have increased the metabolic demands of animals. All of these factors have negative effects on fertility and offspring characteristics. The aim of this Special Issue is to focus on the effects of endocrinology, endocrine disruptors, exogenous hormones, and metabolism on male and female fertility. Specifically, we aim to elucidate the effects on semen quality, oocyte quality, embryonic and fetal development during pregnancy, as well as on neonatal health and survival. We will examine these topics in a scientific, clinical and health context regarding production animals, companion animals and wildlife animals.

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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.

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