

Special Issue

Molecular Regulations of Female Livestock Reproduction

Message from the Guest Editors

Dear colleagues, Reproductive efficiency in females depends on the proper function of the reproductive organs that remain under the control of steroid hormones, gonadotropins, and locally produced factors/molecules. The regulatory network within the female reproductive tract is complex and still not fully understood. Thus, extensive research in the field of gene expression regulatory mechanisms, intracellular signaling, and nuclear and membrane hormone receptor action or epigenetic regulations is required. Novel insights into the regulation of physiology and endocrinology of the ovary, uterus, and oviduct of farm animals based on actual research trends are welcome. This Special Issue's scope includes the current study of molecular aspects of reproductive physiology and endocrinology in female farm animals. Special emphasis is placed on novel mechanisms, factors, and signaling pathways providing new information that impacts the basic understanding of female livestock reproduction. We invite researchers to submit original papers, reviews, as well as short communications that provide novel insights into female livestock reproduction.

Guest Editors

Dr. Magdalena Kowalik

Dr. Małgorzata Grzesiak

Dr. Robert Rózkawiecki

Deadline for manuscript submissions

closed (30 April 2023)



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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.

Editor-in-Chief

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