

Special Issue

Impact of Nutrition on Reproduction and Fetal Programming of Beef Cattle

Message from the Guest Editors

Nutrition affects the overall performance, physiology, and reproduction of beef cattle. Furthermore, maternal nutrition has epigenetic effects that lead to short- and long-term impacts on the offspring. Beef cattle nutrition knowledge has improved considerably in recent years; however, most nutrition-focused research has evaluated growth and overall physiology, and fewer studies have evaluated the effects of nutrition on reproduction and fetal programming. In this Special Issue, we welcome the submission of original research papers, reviews, or studies addressing the effects of different nutrients, feeds, or nutritional practices on reproduction (i.e., reproduction physiology, performance of bulls or females, measurement of reproductive organs, puberty achievement, etc.) or fetal programming (body or physiological measurements of pregnant females, and their effects on the performance, physiology, behavior, and omics of the offspring).

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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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