

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).

Guest Editors

Dr. Marcelo Vedovatto

Dean Lee Research & Extension Center, Louisiana State University, AgCenter, Alexandria, LA 71302, USA

Dr. Matheus Fellipe de Lana Ferreira

Hill Farm Research Station, Louisiana State University, Homer, LA 71040, USA

Deadline for manuscript submissions

closed (15 May 2026)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/185974

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

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



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

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
 2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia
-

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)