

Special Issue

Advancements in Reproductive Biotechnology and Nutritional Strategies in Livestock Production

Message from the Guest Editors

The livestock industry is undergoing a transformative era driven by reproductive biotechnology and innovative nutritional strategies. Enhancements in reproductive efficiency through assisted reproductive technologies (ARTs) like artificial insemination, in vitro fertilization, and embryo transfer are revolutionizing breeding programs. These advancements enable precision breeding, boosting productivity while ensuring genetic diversity and sustainability. At the same time, optimizing livestock nutrition is vital for maximizing health and reproductive performance. Precision feeding systems and nutrigenomics are leading to customized diet formulations that improve efficiency and reduce environmental impacts. The synergy between reproductive biotechnology and nutrition could pave the way for a sustainable future in animal production. For this Special Issue, we invite researchers, veterinarians, and industry professionals to explore innovations in these fields, addressing challenges and opportunities shaping animal farming's future. Join us in advancing knowledge and developing practical applications that enhance productivity, sustainability, and profitability in animal production.

Guest Editors

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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