

Special Issue

Biosecurity and Antimicrobial Use in Animal Production

Message from the Guest Editor

Antimicrobial resistance has been declared by the WHO as one of the top 10 global public health threats facing humanity. Misuse and overuse of antimicrobials are considered the main drivers in the development of drug-resistant pathogens. On the other hand, antimicrobials are essential to protect human and animal health, as well as animal welfare. Responsible and prudent use should be ensured to safeguard their efficacy. In order to reduce the need for antimicrobial treatment in animals, animal health should be optimized. Prevention of disease is the key. The optimization of the level of biosecurity is an important preventive tool. There is some research available that has shown that by optimizing herd management and the biosecurity status, animal health and production can improve, while antimicrobial usage can be reduced. The number of papers describing the direct link between interventions in herd management and biosecurity level and antimicrobial usage is, however, still limited. The aim of this Special Issue is to present recent research and reviews on the implications of biosecurity measures on animal health, production, welfare, and especially antimicrobial usage.

Guest Editor

Dr. Merel Postma

Livar, Echt, The Netherlands and Ghent University, Faculty of Veterinary Medicine, Department of Reproduction, Obstetrics and Herd Health – Veterinary Epidemiology Unit, Merelbeke, Belgium

Deadline for manuscript submissions

closed (15 September 2022)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.9
Indexed in PubMed



mdpi.com/si/72792

Animals

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 4.9
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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
 2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, 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)