

## Special Issue

# The Future of Antibiotics in Farm Animal Production Systems

### Message from the Guest Editor

Antimicrobial resistance has been described as potentially causing the end of modern medicine and England's Chief Medical Officer has warned of the "post-antibiotic apocalypse". The spotlight has fallen on the use of antibiotics in farm animals and how that use has impacted on the development of antimicrobial resistance in human patients. The most recent of these is the development of resistance to colistin which has been linked to its use on pig farms in China. Ironically, colistin, which is an antibiotic that was first used almost 60 years, has only recently become important in humans because, despite being both nephro- and neurotoxic, it is one of the last-resort antibiotics for treating multidrug-resistant bacteria such as *Pseudomonas aeruginosa*. The theme of this Special Issue is the future use of antibiotics on farm. How can we reduce, refine and replace antibiotic use? We encourage you to submit papers which answer or attempt to answer any of those questions.

---

### Guest Editor

Dr. Richard Laven  
IVABS, Massey University, Palmerston North 5321, New Zealand

---

### Deadline for manuscript submissions

closed (30 June 2019)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/16627](https://mdpi.com/si/16627)

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

Curtin University Sustainable Policy (CUSP) Institute, Curtin University,  
Kent St., Bentley, WA 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)