



## Feeding Strategies to Minimize the Use of Antimicrobials and Zinc Oxide in Pig Production

Guest Editors:

**Prof. Dr. Carlo Corino**

Dipartimento di Medicina  
Veterinaria, Università degli Studi  
di Milano, Via dell'Università 6,  
26900 Lodi, Italy

**Prof. Dr. Raffaella Rossi**

Dipartimento di Medicina  
Veterinaria, Università degli Studi  
di Milano, Via dell'Università 6,  
26900 Lodi, Italy

Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editors

Dear Colleagues,

The use of antimicrobials as growth promoters and the incorrect use of antibiotics have led to the onset of the worrying phenomenon of antibiotic resistance. To counteract this dangerous problem, institutions have imposed a reduction in the use of antimicrobials and dietary supplementation with high dosages of zinc oxide (EMA, 2016; EFSA, 2016).

Together with correct management, prevention and biosecurity plans, alternative feed strategies are needed to support pig's growth and health throughout the breeding phase.

Therefore, this Special Issue welcomes submissions, including reviews or original research studies, on pig nutrition regarding all feeding strategies useful to minimize the use of antimicrobials and zinc oxide.

In particular, the papers may concern the use of the following in pig nutrition: acidifiers; probiotics; prebiotics; substances with immunomodulating activity; enzymes; botanicals, vegetal extracts and essential oils; functional feeds; and any nutritional strategy that allows to reduce/eliminate the use of antimicrobials and zinc oxide.





an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

*Animals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/animals](http://mdpi.com/journal/animals)  
[animals@mdpi.com](mailto:animals@mdpi.com)  
[X@Animals\\_MDPI](#)