



## Diagnosis and Pathogenesis of Animal Pathogenic Microorganisms

Guest Editors:

**Prof. Dr. Luisa De Martino**

Department of Veterinary  
Medicine and Animal Production,  
University of Naples “Federico II”,  
Via F. Delpino 1, 80137 Naples,  
Italy

**Dr. Francesca Paola Nocera**

Department of Veterinary  
Medicine and Animal Production,  
University of Naples “Federico II”,  
Via F. Delpino 1, 80137 Naples,  
Italy

Deadline for manuscript  
submissions:

**closed (15 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

Animal pathogens have drawn attention in the fields of both the livestock and public health for their impacts worldwide on socio-economics, food safety and security, and human health.

Diagnostics represents an important step for correct pathogen detection, the successful treatment of animal infection, and management in clinic, farm and field conditions. Current techniques employed to diagnose pathogens include classical methods and molecular techniques. However, there is a strong interest in developing new, swift, point-of-care biosensing systems for the early detection of animal diseases with high sensitivity and specificity, particularly in field analysis.

The aim of this Special Issue is to provide a collection of articles detailing the latest knowledge on infectious diseases in animals. We encourage the submission of original research or review papers from different areas, including the development of rapid screening methods for bacteriological and virological diagnostics or test kits for the diagnosis of mycological infections. Descriptions of new and emerging pathogens and new disease prevention methods, as well as innovative therapies, are also welcome.





an Open Access Journal by MDPI

## 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

## 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.

## 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](https://twitter.com/Animals_MDPI)