

## Special Issue

# New Insights into Animal Spermatogenesis

### Message from the Guest Editors

In vertebrates, spermatogenesis is a highly complex and coordinated process leading to the formation of the mature gametes, the spermatozoa. The whole process is regulated by gonadotropins, steroid hormones and a complex network of autocrine and paracrine factors, whose role is mediated by the activation/inhibition of several intracellular signaling pathways.

This Special Issue aims to widen the knowledge on spermatogenesis and spermiogenesis from a comparative point of view. Therefore, we invite high-quality and original research or review papers that address new insights on this topic, including the molecular mechanisms underlying the differentiation/maturation of germ cells. The understanding of the multitude of proteins and factors that regulate the dynamic of this process is undoubtedly of crucial importance.

---

### Guest Editors

**Dr. Alessandra Santillo**

Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Università della Campania L. Vanvitelli, Via Vivaldi 43, 81100 Caserta, Italy

**Dr. Maria Maddalena Di Fiore**

Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Università della Campania L. Vanvitelli, Via Vivaldi 43, 81100 Caserta, Italy

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/50609](https://mdpi.com/si/50609)

*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

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)