

Special Issue

Biomechanics of the Exercising Animals

Message from the Guest Editor

Movement is an essential skill for all animals, yet the mechanisms and techniques employed to achieve this vary greatly within the animal kingdom. The discipline of biomechanics provides a framework to understand and explain the variety of ways that an animal's form and function permits or optimises locomotion in relation to the ecological niche (for wildlife) or production system (for domestic species). In an animal production context, understanding the impacts that exercise and movement has on the form and function of the underlying structures (body systems) of an animal permits greater opportunity for the implementation of management systems that reduce the risk of injury and loss. In a feral or wildlife context, greater understanding of the form and function of wildlife can lead to implementation of improved conservation and management strategies. This Special Issue aims to demonstrate the breadth of current biomechanics research, the variation in how animals utilise different approaches to optimise locomotion and movement and the interactions of these with body systems.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2019)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



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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.

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