

## Special Issue

# EMG and Biomechanical Analysis of the Equine Gait

### Message from the Guest Editors

Equestrianism is popular worldwide, with millions of horses and riders participating in competitive horse sports and noncompetitive leisure riding. Understanding how the horse moves and the ways in which the musculoskeletal system supports locomotion is essential to enabling the evaluation of equine performance, assessing the impact of pain, disease, and injury on function, optimising training programmes, and analysing the impact of the rider on the horse. This Special Issue aims to showcase emerging research investigating how equine muscle functions and which factors influence muscular activity using electromyography (EMG). Additionally, we are eager to discuss advances in equine biomechanics, as well as how each of these can be applied to inform horse management and training practices.

### Guest Editors

Dr. Jane M. Williams

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Reader in Equine Biomechanics, Equine Department, Hartpury University, Gloucester, UK

### Deadline for manuscript submissions

closed (28 March 2025)



## Animals

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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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### Editor-in-Chief

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