

Special Issue

Mathematical Modeling and Computer Vision in Animal Activity or Behavior: 2nd Edition

Message from the Guest Editors

The Special Issue focuses on the application of advanced computational techniques to the study of animal behavior and activity. It highlights the use of mathematical modeling and computer vision technologies to understand, monitor, and predict various aspects of animal behavior in a range of species, ranging from domestic animals to wildlife. The scope of this issue encompasses the development and implementation of algorithms and models that analyze animals' movements, behavior patterns, and interactions within their environment. It encourages submissions that apply techniques such as machine learning, image processing, and sensor-based systems to capture and interpret behavioral data in an automated and objective manner. This issue requests contributions that explore novel computational methods, interdisciplinary approaches, and case studies demonstrating practical applications in fields. By advancing the technological frontiers of behavioral studies, it will offer valuable insights into animal biology, improve welfare standards, and optimize productivity in agricultural and conservation settings.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2025)



Animals

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



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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.

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