

Special Issue

Canine Olfaction

Message from the Guest Editors

This Special Issue is dedicated to the diverse and fascinating topic of Canine Olfaction. This Special Issue welcomes original manuscripts that explore the anatomy, physiology, and functional aspects of the canine olfactory system. Topics of interest include but are not limited to olfactory receptor biology, nasal airflow dynamics, olfactory learning and memory, and scent discrimination capabilities.

Given the extensive use of detection dogs in various applied fields, such as medical diagnosis, law enforcement, wildlife conservation, agriculture, and search-and-rescue—research examining training methods, scent detection performance, environmental influences, and handler-dog interactions is particularly encouraged. We also invite studies that assess the effects of breed differences, age, health, and working conditions on olfactory efficiency.

By gathering a range of scientific contributions on canine olfaction, this Special Issue aims to advance our understanding of the underlying mechanisms and practical applications of this remarkable sensory modality.

Guest Editors

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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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