

Special Issue

Not "Only" Stress: The Positive and Negative Roles of Glucocorticoids on Physiology and Behaviour

Message from the Guest Editor

Glucocorticoids are regulatory hormones, which are known to affect behavior. From a behavioral point of view, chronic high levels of glucocorticoids decrease aggression, sexual behavior, locomotor activity, and exploration and, at the same time, may lead to the development of anxiety and depression in both animals and humans. Despite the well-known, long-term effect of glucocorticoids as behavioral downregulators, little is known about their immediate/short-term influence on behavior. This Special Issue will cover the science to date in relation to glucocorticoids, the controversial issues related to sampling and measurement due to individual variability and lack of specificity (in positive and negative affective states), their interrelationship with neurotransmitters, and their role as indicators of an imbalanced physiological state. The aim of this Special Issue is therefore to gather the most recent scientific findings on the role of glucocorticoids in behavior whether in a positive or negative sense. Original manuscripts that address different aspects of this topic are invited.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



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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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