

Special Issue

Animals' Transcriptome Response to Environment Change

Message from the Guest Editors

As we know, animals are exposed to diverse environmental (non-genetic) conditions in different geographical locations, different feeding and rearing systems. So, animals are able to adapt with the help of their dynamically changing genomic architecture.

Transcriptome analysis has emerged as a powerful tool to explore the physiological response to the environment and identify the genes with large effect on adaptive response to the diverse environment. In this Special Issue, we invite manuscripts that reports of the genes and pathways that respond to multiple environmental factors such as temperature, humidity, altitude, longitude, feeding composition, supplements, rearing facility etc. in livestock animals. This Special Issue also aims to bring together the latest advances in the subject of multi-omics in livestock animals under different environmental conditions.

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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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