

Special Issue

Molecular and Cellular Changes in Animal Metabolism, Health and Welfare

Message from the Guest Editors

Molecular and cellular changes continuously occur in tissues and organisms during physiological and pathological processes. Scientific research has always focused on the discovery of reliable biological markers in order to better evaluate the health and the welfare of animals, as well as to detect the existence of pathological conditions in different phases of their development. The aim of this Special Issue is to collect studies and reviews that explore this large field in vertebrates, independently of the scientific methodology used to measure such changes. Indeed, submissions may encompass a broad variety of these techniques (e.g. molecular biology, immunohistochemistry, immunoassays, flow cytometry, biochemistry, etc.) always linking any biomarker to physiological/pathological conditions. Papers aiming to explore molecular and cellular alterations in a context of physiological and pathological conditions to better understand their biological mechanisms will be considered. Likewise, studies focused on the proposal and/or validation of new molecular, metabolic and cellular biomarkers to detect diseases and to assess health and animal welfare will be taken into account.

Guest Editors

Dr. Pietro Asproni

Dr. Guido Rocchigiani

Dr. Miriam Marcet-Rius

Deadline for manuscript submissions

closed (20 July 2023)



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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.

Editor-in-Chief

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