

Special Issue

Physiological Functions of Trace Essential Elements in Animal Organisms

Message from the Guest Editor

In order to maintain many vital processes trace essential elements, also called as micro-minerals, must be present in living organisms within certain concentration ranges. Deficiency in any of trace essential elements leads to undesirable pathological conditions that can be prevented or reversed by adequate supplementation of animal diets. On the other hand, dietary excesses of essential elements (like Se, Cr or Cu) can cause direct toxic effects to animals and indirect effects that can cause a secondary deficiency of other trace elements. Developments in the knowledge of physiological functions of trace essential elements in animal organisms, the influence of dietary essential elements on animal grow parameters, new chemical form of essential elements in diets, interactions between essential elements with other elements or biomolecules in animal organisms, the impact of dietary components, elements on the yield of bioaccumulation of essential trace elements in selected tissues of animals, are needed. Contributions on any of these topics or others related to them, including original research papers and literature reviews, are welcome for this Special Issue.

Guest Editor

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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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