

## Special Issue

# Role of Trace Element in Animal Health and Metabolic

### Message from the Guest Editors

The role of trace elements in animal health and metabolism has attracted increasing interest in recent years. The essentiality and toxicity of these elements have been extensively investigated in humans, laboratory animal models, and partially in domestic animals, while little is known about the other roles and metabolism of trace elements in various animal species. Traditionally, research in the field of trace element biology and animal health has largely depended on epidemiological methods that demonstrate involvement in biological processes. Most data relate only to three essential metals (Zn, Cu, and Fe) and one non-essential (Cd) metal. Trace elements were investigated mainly in liver and kidney because these organs are the main target for their accumulation. We invite original research papers that deal with the role of trace elements in the health and metabolism of various animal species. Additional topics may include the translation of animal exposure to trace elements into human health, effects of trace element deficiencies and potentially harmful trace elements accumulation.

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### Guest Editors

Prof. Dr. Małgorzata Kwiecień

Karolina Jachimowicz

Dr. Anna Winiarska-Mieczan

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### Deadline for manuscript submissions

closed (10 February 2023)



## Animals

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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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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### Editor-in-Chief

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