

Special Issue

The Role of Trace Elements in Nutrition and Health

Message from the Guest Editor

Trace elements such as iron, zinc, and selenium play vital roles in humans and animals, influencing a variety of physiological processes in the body. Trace element intake is essential for maintaining health, especially in special populations and at specific stages in animals, such as pregnant women, infants, the elderly, the chronically ill, and newborn piglets. Although trace elements have been studied for many years, there are still many unknowns waiting to be explored. This Special Issue will focus on the biological functions of trace elements, mechanisms of absorption and metabolism, recommended intakes, possible health problems caused by deficiencies or excessive intake, as well as research on the development and application of novel trace elements. We look forward to receiving high-quality original research papers and reviews from a wide range of species, both basic research and applied research, as well as experimental data at in vivo, molecular, immunological, and cellular levels. This Special Issue aims to provide readers with more comprehensive and diverse information to promote the application and development of trace elements in nutrition and health.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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