

Special Issue

Trace Minerals in Livestock Production

Message from the Guest Editor

Trace minerals support a variety of critical biological processes, including immune function, reproduction, and growth. In addition to classically understood functions of trace minerals, new roles for these small but mighty components of animal diets are being identified all the time. For example, both copper and zinc are now known to influence cell signaling pathways through their effects on cyclic AMP concentrations. Continued refinement of our understanding of the trace mineral requirements of production livestock is needed, as deficiencies are detrimental to production efficiency, and excess is potentially detrimental to the environment. This Special Issue invites original research, reviews, and short communications on the roles of trace minerals in livestock production. In particular, research regarding the movement toward more precise supplementation of trace minerals to livestock is of interest. Additionally, research exploring the cellular functions of trace minerals and subsequent implications for livestock production is invited.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2021)



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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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