

Topical Collection

Gut and Bone in Health and Disease

Message from the Collection Editors

Bone and cartilage homeostasis fluctuates with age and health and depends on hormonal and nutritional modification in both humans and animals. Connective tissue homeostasis is regulated by many factors, which vary in prenatal and postnatal life and can be affected by several hormones, including glucocorticoids needed for normal physiological prenatal growth. Nutrition and toxicological factors also play a special role in development. This is consistent with the hypothesis of the existence of the gut–bone axis. The gastrointestinal tract is a place where basal mineral elements and nutritional ingredients are absorbed. They are needed for proper development of all systems, ensuring proper locomotor activity. In particular, original manuscripts that address any aspects of gut and bone development are invited for this Topical Collection. We also invite original research papers and reviews that address any aspect of the prenatal programming of different systems in laboratory and livestock animals as well as postnatal growth and development.

Collection Editors

Prof. Dr. Ewa Tomaszewska

Department of Animal Physiology, University of Life Sciences in Lublin, 20-950 Lublin, Poland

Dr. Siemowit Muszyński

Department of Biophysics, University of Life Sciences in Lublin, 20-950 Lublin, Poland



Animals

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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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

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 6102, Australia

2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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