

Special Issue

Non-Coding RNAs Roles in Animals

Message from the Guest Editors

The important function of non-coding RNAs (ncRNA), such as microRNAs (miRNA), long non-coding RNAs (lncRNA), and circular RNAs (circRNA), in gene regulation in many species is increasingly appreciated. In livestock, thousands of miRNAs have been characterized and lncRNAs are beginning to be understood, thanks to the next generation of sequencing technologies. Moreover, ncRNAs are involved in many gene regulation processes and pathways related to economically important traits. In addition, ncRNAs are also considered as potential biomarkers for infectious diseases in different farm animal species. We invite original research or review papers that allow us to better understand the roles of ncRNAs in livestock/animals. Any research related to functional characterization of ncRNAs, exploration of the roles of ncRNAs in novel phenotypes or less-approached diseases, examining the interaction among ncRNAs, and between ncRNAs and metabolites are invited. We also invited research using bioinformatics approaches or integrated omics for analyzing ncRNAs functions or linking the ncRNAs expression to the phenotypes.

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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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