



animals



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Breeding of Livestock in the Age of Genomics

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Message from the Guest Editor

With the development of SNP-chips (a type of DNA microarray which is used to detect polymorphisms) over 10 years ago, breeding of livestock has undergone a revolution. In the past, genetic evaluations of animals were based only on phenotypes for the traits of interest and relationships among animals. Today, it is possible to derive accurate genetic values for individuals based on genetic markers, even though the trait has not been expressed in the individual, and information on relatives is limited. This Special Issue will consider how genomics has changed animal breeding and attempt to predict future trends.



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Special Issue



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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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