



Advances in Molecular Genetics in Domestic Animals

Guest Editors:

Prof. Dr. Ante Ivanković

Department of Animal Science
and Technology, Faculty of
Agriculture University of Zagreb,
10000 Zagreb, Croatia

Prof. Dr. Jelena Ramljak

Faculty of Agriculture, University
of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editors

The development of molecular genetics in recent decades has had a significant impact on the adaptation of animal production to a number of big challenges. There are needs for the sustainable production of animal food, increasing the quality of animal products, improving the welfare of domestic animals, automatization (robotization) of conventional production technologies, reducing the negative impact of animal production on the environment. The development of new methodological (analytical) methods of molecular genetics provides a powerful "tool" for numerous aspects of the adaptation and development of animal production. Advanced molecular genetics enables direct and complete understanding of phylogenetic processes within and between breeds, the improvement of selection efficiency, direct and indirect selection for preferred genotypes and traits, elimination (suppression) of certain genetic diseases, improvement of breeds fitness and resistance traits, and much more.

This Special Issue focuses on the advances in molecular genetics in domestic animals, the development and application of new analytical and methodological approaches in the field and more.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agriculture
agriculture@mdpi.com
X@AgricultureMdpi