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Genetic Structure of World Animal Populations

Guest Editors:

**Prof. Dr. Tomasz
Szwaczkowski**

Department of Genetics and
Animal Breeding, Poznan
University of Life Sciences,
Wolynska st. 33, 60-637 Poznan,
Poland

Prof. Dr. Martino Cassandro

Department of Agronomy, Food,
Natural Resources, Animals and
Environment (DAFNAE),
Università di Padova, Viale
dell'Università 16, 35020 Legnaro,
Italy

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Message from the Guest Editors

There are over 15,000 species of mammals and birds around the world. Although only a small percentage of animal species are considered farm animals, their numbers are much greater than those of animals living in the wild. The results of applied genetic-improvement programs (based on selection and crossbreeding) are many breeds, varieties, and commercial lines. Over the last decades, the advancing globalization of animal husbandry has led to a significant reduction in local populations, and consequently many species have been included in genetic resources conservation programs. However, new and often endangered populations are still being discovered, especially in developing countries.

The genetic structure of livestock and wild animal populations will be the topic of a Special Issue of *Genes*. We invite you to submit review articles, original papers, and short communications on genetic variation within and between animal populations. We hope that this Special Issue will be a valuable compendium of knowledge concerning not only biodiversity but also modern methods of molecular and statistical data analysis.



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Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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