

Special Issue

Unraveling the Genetic Tapestry of Human Populations: New Insights from Population Genetics and Identification in Anthropology

Message from the Guest Editor

Human genetic variation, shaped over thousands of years by evolutionary processes and demographic shifts, provides a tool for examining population dynamics and present-day diversity. The interplay of gene flow, founder effects, natural selection and population structure has created distinctive genetic signatures in populations worldwide. These patterns allow us to trace early human migrations and adaptive strategies while also uncovering regional patterns of isolation and genetic admixture. Recent advances in high-throughput sequencing and analytical methods have further established population genetics as a cornerstone of anthropological research. These tools enable detailed reconstructions of ancestry, kinship and long-term continuity or population replacement. Integrating genetic, archeological and linguistic data have significantly deepened our understanding of human history. This is increasingly relevant for forensic identification, ancestry estimation and public health—particularly in genetically isolated or understudied groups where unique variants may hold critical biomedical importance.

Guest Editor

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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