

Special Issue

Genetic Insights into Biological Mechanisms Governing Aging

Message from the Guest Editors

This Special Issue of *Biomolecules* aims to gather pioneering research on the genetic underpinnings of aging, including the genes that are involved in cellular senescence, mitochondrial function, oxidative stress, and inflammation. By highlighting these insights, we hope to advance the knowledge related to aging mechanisms and identify therapeutic targets to promote healthy aging and mitigate age-related diseases. We invite submissions that explore recent advances related to the genetic basis of aging and its biological mechanisms. Specifically, we seek research that delves into the roles of specific genes and genetic pathways in aging processes, the impact of genetic variations on aging phenotypes, and the interplay between genetics and environmental factors. We welcome both original research articles and comprehensive reviews that offer novel insights or synthesize existing knowledge. Your contributions will be vital in advancing our understanding of the genetic mechanisms governing aging and developing strategies to enhance healthy aging.

Guest Editors

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About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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