

Special Issue

Molecular Mechanisms and Therapeutic Advances in Hypertension Management and Vascular Health

Message from the Guest Editors

This Special Issue, "Molecular Mechanisms and Therapeutic Advances in Hypertension Management and Vascular Health," explores the molecular basis of hypertension and its role in cardiovascular diseases. Key areas include endothelial function, lipid metabolism, and vascular biology, with a focus on gene expression regulation, cholesterol metabolism, and atherosclerosis development. We welcome original research, reviews, and perspectives on hypertension pathophysiology, gestational hypertension, and metabolic disorders. Topics include drug treatments, drug resistance mechanisms, and the role of bioactive compounds and functional foods in hypertension management. Additionally, we highlight personalized medicine, covering tailored pharmacological interventions, lifestyle modifications, and dietary strategies. By featuring cutting-edge research, this Special Issue aims to enhance scientific understanding, advance treatment strategies, and improve patient outcomes in hypertension and vascular health.

Guest Editors

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Message from the Editor-in-Chief

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