

Special Issue

Chronic Kidney Disease: Novel Advances in Pathophysiology and Therapeutics

Message from the Guest Editor

Chronic kidney disease (CKD) is a substantial global health concern, characterized by a progressive decline in renal function. Extensive studies have focused on the mechanisms underlying specific disease entities, along with common pathophysiological pathways involving glomerular sclerosis, tubular atrophy, and interstitial fibrosis. The discovery of novel pathogenic biomarkers and therapeutic targets has driven advancements in CKD management. Sodium-glucose cotransporter-2 inhibitors and glucagon-like peptide-1 receptor agonists have demonstrated efficacy in decelerating disease progression in clinical trials. Additionally, therapies targeting complement activation and immune modulation are being evaluated in clinical settings. Other promising medications and molecular therapies are also under investigation. This Special Issue, titled "Chronic Kidney Disease: Novel Advances in Pathophysiology and Therapeutics", aims to provide a comprehensive overview of the advancements in understanding and treating CKD, focusing on the underlying molecular pathways, and serving as a foundation for future innovations in the field.

Guest Editor

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Deadline for manuscript submissions

20 December 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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