

## Special Issue

# Acute Kidney Injury: From Molecular Pathology to Therapies

### Message from the Guest Editor

Acute kidney injury has emerged as a global problem across various clinical settings, consistently linked to high mortality and morbidity. Identifying at-risk patients and making an early diagnosis remain significant challenges for this condition, for which a specific treatment is yet to be found.

Although new biomarkers have been proposed for excluding AKI and assessing high-risk conditions, a more profound knowledge on pathophysiology is needed for the better understanding of different phenotypes and endotypes of this entity. Understanding molecular pathways and their interactions might be the key for pharmacological interventions aimed at effectively preventing acute kidney injury or its progression to acute kidney disease and chronic kidney disease.

This Special Issue aims to highlight new areas of research focused on the pathogenesis of acute kidney injury, including innovative studies on animal models, providing insights into the underlying mechanisms, novel biomarkers for the early diagnosis of AKI, and new therapeutic targets and strategies for acute kidney injury prevention and treatment, paving the way for more effective interventions and improved patient outcomes.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 July 2025)



## International Journal of Molecular Sciences

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