

Special Issue

Pathogenesis, Diagnosis, and Treatment of Diabetic Kidney Disease

Message from the Guest Editor

The pathogenesis of diabetic kidney disease (DKD) represents a Gordian knot-like cascade that extends far beyond simple glucose toxicity, making the seemingly logical solution of "eating less sugar" woefully inadequate for addressing this complex condition. The sobering truth is that despite our best therapeutic advances, DKD remains a formidable challenge that requires comprehensive management beyond glucose control. Current therapeutic approaches must address multiple pathways simultaneously. This includes SGLT2 inhibitors for hemodynamic benefits, mineralocorticoid receptor antagonists for anti-inflammatory effects, and emerging therapies targeting fibrotic pathways. The combination of lifestyle modifications, multi-target pharmacotherapy, and early intervention offers the best hope for preventing progression to end-stage kidney disease. This issue of *Biomolecules* will aim to focus on the following:

- The pathogenesis of DKD, including atypical onset.
- Highlighting the emergence of novel biomarkers for the early and specific detection of DKD.
- Research that suggests new or standardized treatment methods for diabetes.

We look forward to receiving your contributions.

Guest Editor

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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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