



Chronic Kidney Disease: Diagnosis and Treatment: 2nd Edition

Guest Editors:

Dr. Po-Jen Hsiao

Prof. Dr. Chi-Ming Chu

Prof. Dr. Chi-Wen Chang

Prof. Dr. Hao-Yun Kao

Deadline for manuscript
submissions:

closed (31 August 2024)

Message from the Guest Editors

Dear Colleagues,

Chronic kidney disease (CKD) is defined as decreased kidney function shown by glomerular filtration rate (GFR) of less than 60 mL/min per 1.73 m², or presence of one or more markers of kidney damage (including albuminuria, proteinuria, hematuria, urine sediment abnormalities, electrolyte abnormalities due to tubular disorders, abnormalities on histology, structural abnormalities detected by imaging, or history of kidney transplantation), and at least 3 months of duration.

The second edition of this Special Issue, "Chronic Kidney Disease: Diagnosis and Treatment", is dedicated to original papers, brief reports, or reviews that provide further understanding or novel opinions on diagnosis and treatment for CKD. For scholars, traditional cell culture models may be not adequate for studying the functional intricacies of the kidney. Recent experiments have offered improvements for understanding these systems, including organoid modeling, 3D bioprinting, decellularization, microfluidics, and other potential applications of kidney bioengineering.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 3.1 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)