

Special Issue

Molecular and Cellular Mechanisms of Cardiorenal Diseases

Message from the Guest Editors

The epidemic of cardiorenal diseases is ever growing around the world. According to the CDC, in the United States some of the more common causes of kidney disease are diabetes and hypertension. Other risk factors include heart disease, metabolic abnormalities, and obesity. Extensive research efforts are devoted to unraveling the molecular and cellular mechanisms of the cardiorenal pathologies, and new methodologies and models are being developed to reveal novel pharmacological interventions. We encourage the submission of manuscripts that identify potential molecular and cellular mechanisms and discover new targets for cardiorenal disease, especially those focused on redox biology and/or specific inflammatory pathways as part of the mechanism. We invite manuscripts devoted (but not limited) to studies of hypertension, diabetes, chronic kidney disease, acute kidney injury, heart failure (especially in the context of CKD), and polycystic kidney disease. Research manuscripts, translational studies, methodology papers, reports of new animal and cellular models, reviews, and mini-reviews dealing with different aspects of cardiorenal disease are welcome.

Guest Editors

Dr. Daria Ilatovskaya

Department of Physiology, Medical College of Georgia, Augusta University, Augusta, GA, USA

Dr. Krisztian Stadler

Oxidative Stress and Disease Laboratory, Pennington Biomedical Research Center, 6400 Perkins Rd, Baton Rouge, LA, USA

Deadline for manuscript submissions

closed (31 March 2022)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/86100

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

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.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)