



Uremic Toxins and Metabolic Complications of Chronic Kidney Disease

Guest Editor:

Prof. Dr. Christophe O. Soulage

Univ. Lyon, CarMeN, INSERM
U1060, INSA de Lyon, Université
Claude Bernard Lyon 1, INRA
U1397, F-69621 Villeurbanne,
France

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editor

Metabolic complications such as insulin resistance, dyslipidemia, or protein-energy wasting are now recognized as common features of patients with chronic kidney disease (CKD), although the underlying mechanisms remain unclear. A growing body of evidence suggests that metabolic disorders are important contributors to the morbidity and mortality of these patients.

Renal clearance is impaired in patients with CKD, resulting in the accumulation of a large range of uremic solutes often referred to as uremic toxins if they exert deleterious biological activities. Several recent studies highlighted the role of the accumulation of these uremic toxins in the development of metabolic complications in CKD.

This Special Issue will include original research articles and reviews on the role of the uremic milieu and uremic toxins in the pathogenesis of the metabolic complications of CKD. Generally speaking, this Special Issue will address all kinds of metabolic disturbances associated with uremia.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

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

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI