

Special Issue

Advances of Redox Status in Disease

Message from the Guest Editors

Oxidants are considered a double-edged sword. On the one hand, a fine-tuned basal level is indispensable for redox signaling and cell homeostasis, promoting adaptations to new challenging environments. On the other hand, an uncontrolled production of oxidants can be detrimental for an organism, establishing a condition commonly known as Oxidative Stress (OxS). This complicated picture is further aggravated by the interdependent relationship existing between OxS and inflammation, which may have been at least partially responsible for the failure of past antioxidant clinical trials. Therefore, complete knowledge of both oxidant status and inflammation during a pathological condition could be essential for the selection of the right therapy and adjuvant antioxidants as well. Considering this point and the involvement of both OxS and inflammation in the pathogenesis of many clinical conditions (e.g., cardiovascular diseases, neurodegenerative disorders, metabolic conditions, and tumors), it urges one to advance the knowledge on redox status and inflammation in diseases. **Keywords**

- oxidative stress
- antioxidants
- inflammation
- human diseases
- redox status

Guest Editors

Dr. Alessandro Trentini

Dr. Maria Cristina Manfrinato

Prof. Dr. Tiziana Bellini

Deadline for manuscript submissions

closed (31 August 2021)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/45967

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

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))