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ROS/Oxidative Stress Signaling in Osteoarthritis

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Deadline for manuscript
submissions:

closed (20 August 2022)

Message from the Guest Editor

Osteoarthritis (OA) is a complex joint disorder of multifactorial etiology with increasing prevalence due to the aging of the populations. The driving force behind OA pathogenesis includes oxidative stress and the overproduction of reactive oxygen species (ROS). Since disease-modifying drugs to mitigate OA pathogenesis are rare, targeting the intricate oxidative stress/ROS signaling pathways would offer a valuable perspective to investigate the potential therapeutic strategies in OA pathogenesis.

We encourage scientists to contribute with original articles describing novel mechanisms by which oxidative stress contributes to the development of OA as well as new therapeutic strategies to treat or prevent this pathological status in which oxidative stress might be involved. Narrative and systematic reviews that summarize recent findings in both basic and clinical research and discuss current outcome are also welcome.



mdpi.com/si/100342

Special Issue



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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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