

Special Issue

Chemistry and Pharmacology of Modulators of Oxidative Stress 2018

Message from the Guest Editors

As we all know, oxidative stress (OS) is involved to many pathologies, ranging from cancer to neurodegenerative diseases, and modulators of OS can be of therapeutic value in some of them, acting by different mechanisms, such as scavenging and metal chelating effects, mimicking the antioxidant enzymes or upregulation of their expression, activating the nuclear factor erythroid 2-related factor 2 (Nrf2), inhibiting pro-oxidant enzymes, etc. This Special Issue aims to provide a forum for the dissemination of the latest information on new methods for extraction, isolation, synthesis, or derivatization of modulators of OS stress, and on in vitro and in vivo testing of their biological activities in view of possible pharmacological Prof. Dr. Luciano SASO
Prof. Dr. Neda MIMICA-DUKIĆ
Prof. Dr. Ryszard AMAROWICZ

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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