

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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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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