Special Issue

Redox Active Molecules in Cancer Treatments

Message from the Guest Editors

We would like to invite you to publish in this Special Issue data from original research studies or reviews focusing on chemical and pharmacological aspects of natural and (semi)synthetic molecules that change cellular ROS concentration and can exert antioxidant and/or pro-oxidant cellular effects. Topics include but are not limited to:

- synthesis and modification of small molecular weight redox modulators with potential pharmacological applications, and the optimization of their antioxidant /pro-oxidant properties and ADMET profile
- non-radical targeted scavenging mechanisms of action of redox modulators such as modulators of activities or/and transcription of glutathione peroxidases, catalase, glutathione-*S*-transferases and superoxide dismutases as well as KEAP1-NRF2 pathway
- antioxidants with chemopreventive effects
- compounds capable of modifying ROS levels and potentiating the effect of anticancer drugs
- molecular sensitizers used in cancer radiotherapy
- redox-active compound affecting regulated cell deaths

Guest Editors

Dr. Višnja Stepanić
Rudjer Bosković Institute, Bijenička cesta 54, 10000 Zagreb, Croatia

Dr. Marta Kučerová-Chlupáčová
Charles University, Prague Praha, Czech Republic

Deadline for manuscript submissions

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

mdpi.com/journal/molecules

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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