Special Issue

Cardiovascular Protection against Chemotherapeutics and Environmental Toxins: New Agents and Molecular Targets

Message from the Guest Editors

The characterization, management, and prevention of cardiotoxicity, whether caused by pharmacological agents or environmental exposures, compose a growing area of research. Cancer chemotherapeutics, in particular, have multiple off-target effects on the cardiovascular system, and studying these effects has led to the birth of the new cardio-oncology field. This Special Issue aims to present the latest advances in the study of cardiotoxicity and especially the field of cardio-oncology, in order to better understand the underlying mechanisms and improve the cardiac safety of therapeutic interventions. Potential topics include, but are not limited to:

- Cardiac effects, molecular mechanisms, and signaling pathways of drugs, xenobiotics, and environmental toxins
- Cardiovascular effects of classic cancer chemotherapeutics and new agents
- Safety and efficacy of novel cardioprotective agents against cardiotoxicity
- Development and validation of in vivo and in vitro models to study cardiotoxicity

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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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