



The Role of Free Radicals and Antioxidants in Drug Activation and Effectiveness in Different Biological Systems

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Message from the Guest Editors

Dear Colleagues,

Oxidative stress is the result of a disequilibrium in oxidants/antioxidants which results from the continuous increase in the production of reactive oxygen species (ROS) under stress conditions (inflammation, etc.). Remarkable interest has arisen in the idea that oxidative stress and specific free radicals are able to control drug activation and, in some cases, their effectiveness too. The aim of this Special Issue is to gather the latest studies which explore oxidative stress biomarkers (ROS, RNS, free radicals, antioxidants) in cell interactions (human/animal cells, bacteria, parasites) with potential compounds (drugs/edible oils) alone or encapsulated in nanomaterials (nanodrugs) for different biological applications.

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