# Special Issue

# Effects of Chemical-Induced Organ Damage via Inducing Antioxidant Defense Responses

## Message from the Guest Editors

Living organisms are continuously and inadvertently exposed to an array of insults that produce reactive oxygen species, eventually predisposing them to oxidative stress. Oxidative stress, an imbalance in the redox homeostasis of the cell, impacts almost all acute and chronic progressive disorders and, on a cellular basis, is intimately linked to aging, cardiovascular disease, cancer, immune function, metabolism, and neurodegeneration. A large body of evidence supports the notion that dietary antioxidants are useful protectors against oxidative stress and play an important role in preventing human diseases. Since oxidative stress is a complex condition, new insights into its cellular and molecular mechanisms in several organ systems and techniques and markers for assessing it are void areas that need to be filled by scientific contributions in these aspects. The purpose of this Special Issue is to encourage researchers to submit original research and review articles that address all aspects of environmental pollutants and their mechanisms of action linked with oxidative stress, inflammation, and cell death in human diseases or using animal models.

## Guest Editors

Prof. Dr. Fatma M. El-Demerdash

Prof. Dr. Mohamed M. Abdel-Daim

Dr. Yanzhu Zhu

## Deadline for manuscript submissions

closed (30 June 2023)


# Toxics

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Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

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# About the Journal

## Message from the Editor-in-Chief

*Toxics* (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

## Editor-in-Chief

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