

Writing manuscripts for the Free Radicals and Antioxidants: www.antiox.org

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GUIDELINES FOR AUTHORS

About the Journal

Free Radicals and Antioxidants is dedicated to publishing novel, original findings in the field of free radical biology and both natural and synthetic antioxidants. Free radicals, which are defined as molecules containing one or more unpaired electrons in their outermost atomic or molecular orbital have emerged as double edged swords. Recent research has revealed that they can be both beneficial (e.g. in microbicidal activity inside neutrophils) or deleterious (e.g. lipid peroxidation and membrane damage). Reactive oxygen species (ROS) and reactive nitrogen species (RNS) are the two major classes of free radicals. The generation of these reactive species is tightly controlled by enzymes like nitric oxide synthase (NOS) and NAD(P)H oxidase. Mechanisms exist inside cells that both generate and protect against ROS-induced oxidative damage. This equilibrium, termed as “redox homeostasis” is vital for the health and continued survival of the cell. The Free Radicals and Antioxidants Journal aims to foster the dissemination of scientific information by publishing manuscripts that provide new insights into the biology of free radicals, including their generation, degradation, modulation, role in cellular function and cell signaling. The submission of uninvited expert reviews and research articles in all areas of Free Radical Biology and Antioxidants are also welcomed. Free Radicals and Antioxidants publishes full research papers presenting original, high quality research, critical review articles providing comprehensive analysis of research development within a defined area and editorial commentaries on key topical issues in Free Radical and Antioxidant Biology.

Subjects covered in the journal

The journal aims to cater the latest outstanding developments in the field of free radical biology and antioxidants.

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- Materials and Methods
- Results including Tables and/or Figures
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- Acknowledgements (If any)
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Acknowledgements

Those who have helped the authors carry out the study and/or prepare the manuscript but have not made significant intellectual contribution to deserve authorship must be acknowledged. Mention all applicable grants and other funding that supported the work.

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Natural products have proven to be a great source of new biologically active compounds. Thus, in an effort to discover new lead anti-malarial compounds, several research groups screen plant extracts to detect secondary metabolites with relevant biological activities that could serve as templates for the development of new drugs. Flavonoids have been isolated and characterized from many medicinal plants used in malaria endemic areas.^[10] However, controversial data have been obtained regarding their antiparasitic activity, probably because of their structural diversity.^[11-13] More recently, several flavonoids have been isolated from *Artemisia afra*^[14,16] and *Artemisia indica*,^[17-20] two plants related to *Artemisia annua*, the famous traditional Chinese medicinal plant from which artemisinin is isolated.

REFERENCE LIST: AUTHOR/AUTHORS

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Note: Plant/Micro organisms, in-vivo, in-vitro should be in italics.

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