

## Special Issue

# Therapeutic Potential of Antioxidants in the Prevention of Human Diseases, 2nd Edition

### Message from the Guest Editor

Oxidative stress has been associated with a number of complications, including infectious diseases, inflammatory complications, neurodegenerative diseases, metabolic diseases, and various cancers. Natural plant-derived products have been utilized to treat these complications for thousands of years, without much understanding of the molecular mechanism(s) via which these compounds prevent or cure these human diseases. Furthermore, several antioxidants derived from various natural resources have been tested in the past, and it has been found that their antioxidative and anti-inflammatory properties could benefit human health. Indeed, some currently available pharmaceutical drugs have been developed using compounds isolated from various plant species. Furthermore, multiple analogs of antioxidants are more potent than parent antioxidants. Although several preclinical studies indicate the beneficial effects of various antioxidants, some have never been tested in a clinical setting. This Special Issue is dedicated to studies on various natural antioxidants and their possible analogs in the prevention and treatment of various human diseases.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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