

Special Issue

Antioxidants and Trace Elements as a Counterbalance to Oxidative Stress in Health and Disease

Message from the Guest Editor

Thanks to basic research and the accompanying development of biomarkers for the detection of free radical-mediated damage, the knowledge on oxidative stress and antioxidants has been extended worldwide. Despite ample scientific evidence, however, its integration in practical medicine has so far been very sparse. For daily life, this might be a lifestyle change, a healthy diet, or a physician-directed supplementation with antioxidants and/or trace elements (micronutrients). For patients, this could be a customized therapy to strengthen the immune system in the context of individualized, integrative medicine. This Special Issue of *Biomedicines* focuses on recent advances in the research of antioxidants and trace elements in relation to oxidative stress biomarkers in health and disease. In this context, experimental data at the molecular, immunological, and cellular level, reaching from basic research to application-oriented studies, are welcomed. They should stimulate research in this exciting field to develop prevention strategies and early detection to improve the treatment of stress-associated diseases.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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