

Special Issue

Environmental and Occupational Exposure to Benzene and Oxidative Damage

Message from the Guest Editors

The International Journal of Environmental Research and Public Health welcomes submissions for a Special Issue of the journal. This Special Issue will focus on environmental and occupational exposure to benzene and oxidative damage. Benzene is still a chemical with public health concerns, due to its widespread use and its toxicological properties. It has been a long time since the compound was recognized as a human carcinogen, targeting, in particular, human bone marrow, but more recently other relevant health effects have been highlighted, in particular, the risk of male infertility and congenital anomalies. In the context of environmental exposure to benzene, children are a particularly susceptible as potential targets. A main toxicological mechanism through which benzene exerts its health effects is the induction of oxidative stress, which is linked, in particular, to its metabolism. Oxidative stress may cause multiple downstream consequences in different organs, including direct and indirect genetic damage and genetic dysregulation related to interference to epigenetic mechanisms.

Guest Editors

Prof. Dr. Giuseppe De Palma

Section of Public Health and Human Sciences, Department of Medical and Surgical Specialties, Radiological Sciences, and Public Health, University of Brescia, Piazzale Spedali Civili, 1, 25123 Brescia, Italy

Prof. Silvia Fustinoni

University of Milan, Department of Clinical Sciences and Community Health and Fondazione Ca' Granda IRCCS Ospedale Maggiore Policlinico, Via San Barnaba 8, 20122 Milan, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,
Australia

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