Special Issue

DNA Adducts for Characterization of Exposure

Message from the Guest Editor

The field of DNA adductomics has been evolving as a new omics approach in toxicology research. Characterizing the structural modifications to DNA, as part of adductomics, can allow to identify certain exposures related to environmental stress, both genotoxic and nongenotoxic. The exposure could be related to potential carcinogens. Alternatively, oxidative adducts arising from reactive oxygen species, if not repaired, might lead to mutations. Improving chromatographic separation, data processing and structural elucidation, as well as developing approaches for the use of adduct measurements in risk assessment procedures are some of the challenges in the field. In this issue, we invite high-quality original research papers, short communications, and reviews related to linkages between DNA adducts and exposure assessment. In addition to exposure to humans, environmental stress factors and exposure to wild-life species are areas of concern. Topics of interest include (but are not limited to) reactive metabolites, oxidative stress, methylation as epigenetic marker and MS-based development and applications of adductomics.

Guest Editor

Dr. Hitesh V. Motwani
Department of Environmental Science, Stockholm University, Stockholm, SE, 10691, Sweden

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

mdpi.com/journal/toxics

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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

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

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