



Advances in Mechanism Based Toxicity and Hazard Assessment of NGTxC Chemicals 2.0

Guest Editors:

Dr. Miriam N. Jacobs

Department of Toxicology,
Centre for Radiation, Chemical
and Environmental Hazards
Public Health England, Chilton
OX11 0RQ, UK

Prof. Dr. Annamaria Colacci

Department of Environmental
Health, Agency for Prevention,
Environment and Energy, Emilia-
Romagna, Viale Filopanti, I-40126
Bologna, Italy

Deadline for manuscript
submissions:

closed (15 April 2024)

Message from the Guest Editors

Dear Colleagues,

There is a regulatory gap in addressing the hazard assessment of Non Genotoxic Carcinogenic Chemicals to better protect public health for many product and regulatory sectors, and alternative mechanistic based approaches are needed to address this gap. This Special Issue will focus on recent advances in the hazard assessment of non genotoxic carcinogenic (NGTxC) chemicals and will include papers on:

1. Assay developments and chemicals screened that plausibly address relevant mechanisms and modes of action, including: ADME; Immune response and inflammatory biomarkers; Cytoskeleton modification; Cancer specific kinase activation; 3D models that can genuinely address the complexity at the tissue level.
2. Relevant quantitative and qualitative pathway based approaches for NGTxC.
3. Applications of molecular targets from human clinical data for mechanistic understanding of key biomarkers in the carcinogenesis process.
4. Discussion on human relevance of mechanisms and modes of action.
5. Potentiation effects of viruses on chemical non genotoxic carcinogenicity.

We warmly welcome submissions, including original papers and reviews, on these topical needs.



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Special Issue



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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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