

Special Issue

Advanced Modeling Tools for Occupational and Consumer Exposure Assessment

Message from the Guest Editors

Occupational and consumer exposure to different (types of) chemical substances may lead to adverse health effects. Generally, exposure assessment can be performed by exposure measurements or, alternatively, by using exposure assessment models which can estimate exposure in different occupational and consumer scenarios. This Special Issue will highlight the latest advances in exposure modelling-related research. Authors are invited and welcome to submit original research papers, reviews, and short communications. Topics may include, but are not limited to the following: Development of new models, ranging from control banding to advanced aerosol dynamic models applicable for exposure assessment to chemical substances; Improvement of existing modelling tools for occupational exposure assessment; User-friendliness examination of exposure model tools; Sensitivity analysis of models identifying how sensitive models/tools are against changes in input parameters; Evaluation of the reliability between users applying an exposure model tool; Evaluation of the predictive capability of the exposure model tools; Process of determining sources and emission rates.

Guest Editors

Dr. Ana Sofia Fonseca

National Research Centre for the Working Environment (NRCWE), 2100 Copenhagen, Denmark

Dr. Carla Ribalta

National Research Centre for the Working Environment (NRCWE), 2100 Copenhagen, Denmark

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

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).