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Advanced Modeling Tools for Occupational and Consumer Exposure Assessment

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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.



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Special Issue