Special Issue

Big Data, Machine and Deep Learning Methods for Transformative Approaches in Toxicology

Message from the Guest Editor

Big data and artificial intelligence (AI) approaches, including machine and deep learning, are playing an increasingly important role in toxicology research. This field is still in its infancy, and more research is needed in areas such as predictive toxicology, adverse drug reactions, toxicity pathway analysis, environmental toxicology, image analysis, toxicity prediction for occupational and environmental exposure, risk assessment, and AI model explainability.

In the domains indicated above, this Special Issue asks for research on transformative big data, social and digital media, and AI approaches to toxicology. The current research in this context is in its infancy and requires more exploration from this multidisciplinary community.

Guest Editor

Prof. Dr. Rashid Mehmood
High Performance Computing Center, King Abdulaziz University, Jeddah 21589, Saudi Arabia

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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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