Special Issue

Analytical Methodology, Environmental Behavior and Risk Assessment of New Organic Pollutants

Message from the Guest Editors

A global rise in population and increased urbanization have resulted in growing pressure on freshwater resources. Known and unknown organic pollutants have exacerbated water stress and water risk throughout the world. Furthermore, their transformation products are potentially harmful to the environment. A good understanding of the cause, fate and hazards of these new organic pollutants should be considered as part of the sustainable solution to the ongoing water crisis. Improving sensitive analytical methods is vital to accurately measuring these pollutants' levels in various water matrices. Global research focusing on the prevention and treatment of organic pollution is ongoing, particularly studies on improving water monitoring, non-target screening, the use of mathematical and machine learning modeling for source identification or pollution prediction and the assessment of ecological and health risk. The present Special Issue intends to bring together recent research exploring the potential of advanced technologies for the analysis and assessment of new organic pollutants.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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