Special Issue

UHPLC-MS/MS Methods for the Identification of Emerging Contaminant Transformation Products in Surface Water

Message from the Guest Editor

Large quantities of contaminants of emerging concerns (CECs) are released into water bodies every day. These micropollutants include not only natural and synthetic chemicals (pesticides, pharmaceuticals, personal care products, drugs of abuse, surfactants, food additives, and industrial chemicals) but also their transformation products that naturally form in the environment. In particular, sunlight photodegradation, hydrolysis reactions, or microbial degradation can occur together or individually to contribute to the formation of unknown CEC transformation products. Liquid chromatography coupled with mass spectrometry due to its sensitivity and selectivity is the choice technique for the identification and the determination of CECs at ultra-trace level in surface water.

This Special Issue will be comprised of research articles, short communications, and reviews related to the identification of CEC transformation products in surface water by UHPLC-MS/MS methods, giving a broad overview for their monitoring and future regulation.

Guest Editor

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Editor-in-Chief

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