Special Issue

Removal of Organic Pollutants from Aqueous Systems

Message from the Guest Editor

Organic pollutants in aqueous systems are an urgent threat to public health, especially for emerging pollutants like per- and polyfluoroalkyl substances (PFAS), known as “forever chemicals”. The removal of organic pollutants from aqueous systems is pivotal to providing safe water and protecting human health. The removal technologies can be divided into three categories: physical, chemical, and biological. Adsorption, degradation, advanced oxidation process (AOP), and membrane filtration are the most used removal methods. Understanding the mechanisms and interactions is the key to comprehending the removal process and developing technologies. With a molecular-level understanding of heterogeneous reactions, the development of advanced nanomaterials provides a promising way to address organic pollutants. Thus, this Special Issue aims to present the state-of-the-art removal methods and mechanisms for organic pollutants. Therefore, it is my pleasure to invite you to contribute your research article, communication, or review to this Special Issue dedicated to the removal of organic pollutants from aqueous systems.

Guest Editor

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Editor-in-Chief

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