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Advanced Oxidation Processes for Cyanobacteria and Cyanotoxins Removal in Waters

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Message from the Guest Editors

Harmful cyanobacterial algal blooms and cyanotoxins have emerged as major threats to freshwater resources worldwide. In response, the elimination of cyanobacteria and cyanotoxins, studied since the late 1990s, has attracted growing interest due to the transformational capacity of new materials to eradicate those organic toxins and microorganisms via advanced oxidation processes, and due to engineering challenges confronted during the transition to treating larger volumes of water. Added to that, the global context of the threat demands the design of new, simple, sustainable, low-cost strategies and technologies for water decontamination that can be readily implemented worldwide, especially in developing countries.

Against that background, the proposed Special Issue aims to present novel results from research on the development and optimization of advanced oxidation processes for the efficient removal of harmful cyanobacterial algal blooms and/or cyanotoxins in water.

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Message from the Editor-in-Chief

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