

Special Issue

Innovative Materials for Wastewater Treatment Applications

Message from the Guest Editors

The increasing demand for clean water and environmental sustainability has driven the development of advanced materials for wastewater treatment. This Special Issue aims to highlight recent innovations in materials designed for the efficient removal of pollutants, including heavy metals, organic contaminants, and emerging pollutants from wastewater. We welcome contributions covering various material classes such as metal sulfides, metal-organic frameworks (MOFs), nanomaterials, functionalized composites, and bio-based adsorbents. Studies on adsorption, ion exchange, catalytic degradation, and membrane filtration processes are of particular interest. Additionally, research addressing material regeneration, scalability, and real-world applications is encouraged. By collating cutting-edge advancements in material science and environmental engineering, this Special Issue seeks to provide sustainable solutions for global water challenges.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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