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Application of Engineered Nanomaterials for Environmental Remediation and Water Treatment

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Message from the Guest Editors

Dear Colleagues,

Engineered nanomaterials can promote environmental sustainability by playing important roles in environmental remediation, particularly in cases that are challenging for conventional treatment methods. Engineered nanomaterials remove chemical and biological contaminants via adsorption, disinfection, redox reactions, transformation, catalysis, etc., and their use may be cost-effective, compared to some well-established conventional treatment methods.

Researchers working in the field of environmental applications of nanotechnology are cordially invited to contribute original research papers or critical reviews to this Special Issue of *Molecules*. Papers in this Special Issue will focus on the synthesis and application of novel and cheap nanoscale materials, combined treatment technologies based on nanomaterials and other methods, life-cycle analysis of nanotechnology-based treatment techniques, pilot-scale and field-scale testing of nanotechnology-based treatments, and considerations for the environmental implications of nanotechnology.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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