

Special Issue

The Application of Nanomaterials for the Removal of Emerging Pollutants from Water

Message from the Guest Editor

Nanotechnology can support effective strategies for the treatment, use, and reuse of water and the development of next-generation water supply systems.

Nanomaterials such as carbon nanotubes/graphitic carbon nitride composites, graphene-based composites, metal oxides and composites, metal-organic frameworks, etc. have been used for the removal of different categories of pollutants, including pharmaceutically active compounds, personal care products, organic micropollutants, as well as for the disinfection of microbial targets (bacteria, viruses, protozoa, etc.), in water and wastewater matrices. The present Special Issue will focus on the application of nanomaterials for the removal of emerging pollutants from water. The characteristics and efficacy of nanoengineered materials, as well as performance limitation issues (e.g., toxicity, operating conditions, and reuse) for their practical application in water and wastewater treatment on large scale will be covered. Contributions are welcome.

Guest Editor

Dr. Petros Kokkinos

Department of Chemical Engineering, University of Patras,
Caratheodory 1, University Campus, GR-26504, Patras, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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