

Special Issue

Advancements in Adsorbent Materials for Water Purification

Message from the Guest Editors

I am delighted to extend to you an invitation to contribute your scholarly endeavors to a Special Issue of *Molecules*, entitled “Advancements in Adsorbent Materials for Water Purification”.

In recent years, clean water has faced a challenge in pollutants such as dyes, heavy metals, pharmaceuticals, antibiotics, per- and poly-fluoroalkyl substances (PFASs), and microplastics. An adsorption process using effective adsorbent materials has emerged as a promising solution for water treatment.

The aim of this Special Issue is to gather the latest research regarding the synthesis, preparation, and application of various adsorbent materials for the removal of these pollutants from water. We welcome contributions exploring the mechanisms of adsorption, thermodynamic considerations, isotherm modeling, kinetic assessments, and strategies for adsorbent regeneration. We invite original research articles, comprehensive review papers, and concise communications that contribute to our understanding of adsorption processes for water purification.

We eagerly anticipate your contributions to this Special Issue.

Guest Editors

Dr. Mohammadtaghi Vakili

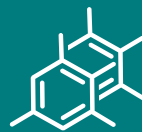
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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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