Special Issue

Adsorbent Materials for Wastewater Treatment

Message from the Guest Editor

The Special Issue, “Adsorbent Materials for Wastewater Treatment,” highlights the development and application of advanced adsorbent materials to tackle environmental/engineering problems in water treatment. Functional nanomaterials’ critical role is removing hazardous substrates such as heavy metals, rare earth metals, emerging pollutants, and organic compounds from water. This Special Issue underscores the potential of nanotechnology in establishing more effective and sustainable approaches to water treatment and pollution control, as well as addressing current challenges and future opportunities. We are calling for submissions from researchers, scholars, and practitioners driving environmental science and engineering advancements. We welcome original research and review articles on, but not limited to, the following topics: (1) Preparation and application of novel adsorbent materials for water treatment and environmental remediation. (2) Critical mechanisms of adsorbing pollutants. (3) Life cycle assessment of environmental impacts and carbon footprint for separation processes.

Guest Editor

Dr. Che-Jung Hsu

Department of Marine Environmental Engineering, National Kaohsiung University of Science and Technology, Kaohsiung City 811213, Taiwan

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

mdpi.com/journal/separations

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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