



## Advanced Functional Materials for Wastewater Treatment and Purification

Guest Editors:

**Dr. Tengyao Jiang**

School of Environmental Science  
and Engineering, Nanjing Tech  
University, Nanjing, China

**Dr. Wei Huang**

College of Environmental Science  
and Engineering, Donghua  
University, Shanghai, China

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### Message from the Guest Editors

Dear Colleagues,

The world's water supplies have been contaminated due to large effluents containing toxic pollutants from agricultural, industrial, and municipal resources into water streams. Amongst various wastewater treatment approaches, adsorption is considered as one of the most cost-effective methods, and it also has witnessed continuous development in the case of the advancements in novel materials as adsorbents. The breakthrough of materials science and engineering provides innovative solutions to adsorption and separation technology, and this can be addressed through material synthesis (i.e., metal-organic frameworks, low-dimensional materials, hydrogels/aerogels, composite materials, etc.) and rational structure design (i.e., surface modification, elemental doping, structural functionalization, etc.).

Hence, this special issue is aiming to cover the latest research progress in the synthesis, characterizations and applications of advanced materials for adsorption and separation related to wastewater treatments and purifications. We look forward to receiving your contributions from all over the world.

Dr. Tengyao Jiang

Dr. Wei Huang

*Guest Editors*





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**Prof. Dr. Frank L. Dorman**

Department of Chemistry,  
Dartmouth College, Hanover, NH  
03755, USA

## Message from the Editor-in-Chief

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Separations Editorial Office  
MDPI, St. Alban-Anlage 66  
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