

## Special Issue

# Sustainable Adsorbent Materials for Wastewater Treatment

### Message from the Guest Editors

As long as the problem of water pollution exists, the challenge of wastewater treatment will be a global imperative. Given that conventional high-tech approaches are losing popularity in large-scale implementations due to various limitations, sustainable adsorbents are becoming a vital tool in water treatment processes. In this regard, the global adsorbent market size is predicted to reach USD 5–6 billion by 2026, with a compound annual growth rate of around 6%. Wastewater treatment technology with adsorbents is one of the rapidly developing concepts in order to promote sustainability and a greener environment. In addition to nano-adsorbents, the concept of using non-conventional adsorbent materials (agricultural or industrial waste) as a component of the circular economy (while conserving energy) is the main driver of adsorbent sustainability. This concept is currently limited to the laboratory level. Thus, let us together raise awareness about sustainable adsorbent materials in water treatment. We invite you to submit your manuscript and contribute to the recognition of the importance of adsorbents/biosorbents industrial applications.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 May 2025)



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