# **Special Issue**

## Recent Development of Nanomaterials for Wastewater Treatment and Sustainable Environmental Protection

### Message from the Guest Editors

An in-depth study of nano-dispersed materials and the composite compounds based on them has shown promise in their use in the latest environmental technologies. Modern challenges concern water purification not only from traditional pollutants, but also heavy metals, suspended particles, nitrates and phosphates. The use of nanomaterials opens up opportunities for the neutralization of particularly dangerous organic pollutants. The potential range of issues addressed in the collection includes the following:

- Advanced nanotechnologies and properties of nanomaterials:
- Adsorbents, nanocomposites and production technologies, and their properties;
- Nanoplastics for methods of neutralization:
- Membrane cleaning methods using nanomaterials;
- Electrocatalysts and their use in green energy;
- Nanotechnology and light pollution;
- Purification of gas emissions;
- Recycling of solid industrial waste to obtain nanomaterials.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (28 October 2025)



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### Editor-in-Chief

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