

Special Issue on  
**Advances in Cost-Effective Treatment of Contaminated  
Soil and Water Resources**

# CALL FOR PAPERS

Contaminated soil and water resources are inherently difficult to treat given the highly variable kinds and levels of constituents, complicated subsurface structures, and complex ecosystems associated with them. While some success has been seen at small scale and when large amount of resource is available for cleanup, treating contaminated soil and water resources in a cost-effective manner remains a challenge, especially when contamination occurs over large areas. Considering the ultimate importance of clean soil and water resources in the 21st Century, continued efforts for developing novel materials, tools, and schemes and further advancing cutting-edge techniques are greatly warranted to improve cost effective applications of physical, chemical, biological, and hybrid processes of natural or artificial origins.

This special issue aims to provide readers with a collection of most recent research outcomes in developing novel materials, tools, or methods and further advancing cutting-edge techniques for more cost-effective treatment of contaminated soil, groundwater, and surface water resources of variable types and scales. This includes research and development activities at laboratory- and field-scale and computer modeling to support such efforts. We invite leading experts in the field to contribute high-quality original research papers and review articles to integrate, disseminate, and promote advances in this important field.

Potential topics include but are not limited to the following:

- ▶ Novel low-cost materials, systems, or methods including modeling approaches and new findings to further advance cutting-edge techniques utilizing physical, chemical, biological, or hybrid processes of natural or artificial sources to more cost-effectively treat or characterize
  - ▶ Nutrients, inorganic, or organic contaminants in
- ▶ Agricultural or urban storm runoff
- ▶ Rock drainage in abandoned or active mine
- ▶ Leachates from landfills or industrial waste discharge
  - ▶ Nutrients, inorganic, or organic contaminants in groundwater due to
- ▶ Point-source contamination such as leaked subsurface storages, inadequate industrial waste disposal, or landfill leachates
- ▶ Nonpoint-source contamination such as agricultural runoff, urban storm runoff, or mining and energy production
  - ▶ Inorganic or organic contaminants in soil due to
- ▶ Industrial, military, mining, or energy production activities
- ▶ Vapor intrusion of volatile organic contaminants in soil

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jchem/environmental.chemistry/actc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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**Submission Deadline**

Friday, 14 December 2018

**Publication Date**

May 2019