



Applied and Environmental Soil Science

Special Issue on
Soil Pollution Prevention and Remediation

CALL FOR PAPERS

Through expanding our understanding and development of innovative techniques to analyze and treat polluted soils, scientists and engineers can play a crucial role in bringing models and technologies to deal with the environment pollution problem effectively.

The relevant fundamental principles of soil and water quality management and treatment will be covered. However, the main focus will be on assessing sustainable treatment technologies and current case studies related to soil remediation, natural and conventional water treatment, and sustainable drainage systems applied for diffuse pollution treatment.

Academics, professionals, and students in the soil, water and environmental engineering, science, and management areas, as well as the geologist and hydrological, engineers will be interested in the detailed design, operation, management, process control for soil and water quality monitoring, and applied modelling issues presented in this issue.

For this special issue, we invite authors to contribute original research as well as review articles on recent advances made on techniques and methodologies in the following areas: soil pollution prevention and remediation.

This Special Issue will present a comprehensive collection of timely, novel, and innovative research case studies in the area of soil remediation and water treatment. It will demonstrate to practitioners how natural and innovative systems can be integrated into traditional soil remediation and wastewater systems, which are predominantly applied for the treatment of diffuse pollution. Also, it will assess the design, operation, management of soil remediation technologies, and water treatment performance of sustainable drainage systems including hydrology and modeling.

Potential topics include, but are not limited to:

- ▶ Soil remediation
- ▶ Clogging and soil hydraulic conductivity
- ▶ Phytoremediation and soil remediation technologies
- ▶ Wastewater treatment
- ▶ Storm water management
- ▶ Natural treatment methods
- ▶ Urban water
- ▶ Global change
- ▶ Flood retention structure
- ▶ Water quality control
- ▶ Urban runoff treatment
- ▶ Agricultural runoff treatment
- ▶ Filtration systems
- ▶ Storm water ponds
- ▶ Constructed wetlands
- ▶ Natural wetlands
- ▶ Hydrology of wetlands
- ▶ Public health issues
- ▶ Sludge treatment and disposal
- ▶ Wetland systems to control runoff and wastewater
- ▶ Infiltration systems and groundwater protection
- ▶ Hydrological modeling

Lead Guest Editor

Ezio Ranieri, Polytechnic University of Bari, Bari, Italy
ezio.ranieri@poliba.it

Guest Editors

Fabian Bombardelli, University of California at Davis, Davis, USA
fabianbombardelli2@gmail.com

Petros Gikas, Technical University of Crete, Chania, Greece
petrosgikas@gmail.com

Bernardino Chiaia, Politecnico di Torino, Torino, Italy
bernardino.chiaia@polito.it

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Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/aess/sppr/>.