

## Special Issue

# Sustainability of Heavy Metal Pollution Control: Risk Assessment and Ecological Remediation

### Message from the Guest Editors

Contamination of heavy metals is of great concern for ecological and public health. Various studies were conducted, including pollution fates, risk assessment, control and remediation, to seek sustainable development. **Risk Assessment:** Conventional risk assessments tend to underestimate the ecological impacts of pollutants. Fortunately, researches have started to work on the bio-accessibility, bio-availability and bio-activity of heavy metal pollution and their impacts on various organisms, including animals, plants, microbes and human beings. **Ecological Remediation:** Conventional remediation made it virtually impossible to proceed fast and effectively with the clean up of heavy metal pollution. Therefore, to meet sustainable development principles, ecological remediation methods, such as phytoremediation, microbe-metal interaction, biomass stabilization and so on, are required. This Special Issue focuses on, but is not limited to: i) evaluating the ecological risk of heavy metal pollutants in pedosphere, hydrosphere and atmosphere environments; and ii) developing the ecological remediation technology to control contaminated environments.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 February 2023)



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