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 was 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

Dr. Qiusheng Yuan

Dr. Nan Geng

Dr. Xun Wang

Deadline for manuscript submissions

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/ sustainability





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Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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