

Title of the Thematic Issue: Dynamics of heavy metals pollution and its remediation

Section Editor: Dr. Shiv Prasad

Scope of the Thematic Issue:

The idea of this special issue, "Dynamics of heavy metals pollution and its remediation," derives from the worldwide environment and health issues. And the desire to create a collection of manuscripts to provide comprehensive information and summarize the most recent evidence on pollution of air, soil, water, and food contamination dynamics that negatively affect our environment and health. The special issue focuses on the impact of heavy metal pollution on terrestrial and aquatic life, including plants and human health. It also deals with recent advances in heavy metals degradation by using nanomaterials, phyto-bioremediation, electro-Fenton process, and stabilization of heavy metals in soil and other media. Finally, it also aims to provide a collection to become the starting point of new research.

Keywords:

Heavy metals, soil, water, food, health, recovery, remediation, sustainable use

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Heavy metals
- soil pollution
- Water and food contamination
- Plant and human health
- Remediation
- Recycle and reuse

Tentative titles of the articles

1. Heavy metals dynamics in the environment
2. Food contamination dynamics of heavy metals.
3. Water contamination dynamics of heavy metals.
4. Water contamination dynamics of heavy metals.
5. Degradation of heavy metals from contaminated soil by electro-Fenton process Teklit Gebregiorgis Ambaye.
6. Degradation of heavy metals from the environment by an advanced process.
7. Use of Nano cellulose for heavy metals removal.
8. Enhancing the remediation of Heavy Metals by Heavy Metal-Resistant Plant Growth-Promoting Bacteria.

Schedule:

✧ Thematic issue submission deadline: December, 2022

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