



Heavy Metals in Soil Water System: Challenges and New Solutions

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The special issue is dedicated to scientists working on widely understood issues related to study of soil water system pollution with Potential Toxic Elements (As, Cd, Pb, Zn, Cu, Hg, Cr), PGMs (Pt, Pd, Rh) and/or Technology Critical Elements (*i.a.* Tl, rare earth elements), remediation processes, bioavailability and mobility of pollutants or nutrients, water retention in soil as well as distribution (adsorption/readorption on preliminary or secondary minerals) of “heavy metals” in soil. Therefore, deep knowledge of the theoretical basis of these processes (flow or precipitation of pollutants, water capacity) is an indispensable element for developing modern, sustainable methods of remediation of soil water system. The fractionation studies and speciation analysis of critical elements provide important information for environmental sustainability.

This special edition will be a good opportunity to catalog and systematize knowledge of these issues and would become a starting point for developing modern research procedures and implementations of environmental engineering technologies.

The soil and water are philosophical stones of life on Earth.





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Message from the Editor-in-Chief

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