Special Issue

Heavy Metals in Soil Water System: Challenges and New Solutions

Message from the Guest Editor

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/readsorption 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.*

Guest Editor

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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