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Advances in Polymers and Functionalized Materials in the Environment

Guest Editor:

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Deadline for manuscript submissions:

20 September 2024

Message from the Guest Editor

Dear Colleagues,

In recent years, various functionalized materials, including silica materials, zeolite–carbon composites, zeolite–vermiculite composites and polymeric materials, have been added to soil with increasing frequency. However, due to numerous modifications, their impact on the environment is not fully understood. In the case of polymeric materials, they are increasingly used to stabilize soil or are added to compost. These materials can affect the physical, chemical and biological properties of the soil to varying degrees.

The following are some of the major areas in which papers are solicited:

- Modification/functionalization of polymeric materials;
- Modification/functionalization of silica materials;
- Circular economy in waste management;
- Monitoring of soil pollution with trace elements and organic contaminants after the application of functionalized materials;
- Reclamation and revitalization of contaminated soil;
- Ecotoxicity assessments and ecological risk assessments after the use of functionalized materials.





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Editor-in-Chief

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Message from the Editor-in-Chief

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