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Terrestrial Ecotoxicology- How Biocides of Building Materials Impact Soil Microbial Communities

Guest Editor:

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editor

Once biocides have entered into the soil body, individual members of the soil's microbial communities react differently, manifested in the reduction in soil respiration and contribution to soil functions, shifts in the microbial interaction patterns with consequences in the trophic networks, degradation of biocides and their metabolites and many other actions. The knowledge of such microbial reactions is still sparse and research findings from laboratory micro- or mesocosm studies are as equally welcomed as field studies.

Therefore, the focus of this Special Issue is, but not limited to, the terrestrial eco-toxicological consequences of biocide input in soil environments, which may induce changes in the

- diversity of the soil microbial community
- activity and adaption of the soil microbial community
- functioning of the soil microbial community
- immission, distribution and accumulation of biocides in the soil body
- metabolization and degradation patterns of biocides

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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