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Modern Techniques of the Technogenic Affected Areas Restoration: Approaches and Solutions

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Message from the Guest Editors

Productive forest ecosystems, soils, vegetation and wildlife, surface and ground waters, atmospheric air, and subsoil are subjected to technological stress and transformation ubiquitously. One of the important tasks of the scientists is searching the way of the modern techniques and methods to remediate the technogenic affected sites that could contribute to effective restoration. In this connection, the manuscripts should be devoted to the natural ecosystem recovery, that presents the unity of vegetation community, biologically saturated with organic substance of the prolific layer, and the microbiome community in it, that transforms the plant remains. It is thus expedient to consider the complex of chemical, physical, biological, and agrotechnical receptions not only as a way of restoration of a vegetative cover, and it is rather as a push, a stimulator for acceleration of the natural self-recovery, caused by improvement of physical and agrochemical properties of the soil. In this regard, it is of high relevance to study the principles of developing new methods of soil restoration in areas of increased anthropogenic impact.



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