## **Special Issue**

### Clear-Cutting in Modern Forestry: New Approaches and Latest Findings

### Message from the Guest Editors

The complete destruction of the tree layer radically changes the ecosystem, affecting soil conditions and ground cover. Plant communities on clear-cuttings at the initial stages can serve as good model objects for biodiversity and ecology studies, due to the patterns of their formation. The natural restoration of forests can take hundreds of years. To restore the forest stand, it is necessary to plant high-quality seedlings and provide them with sufficient care. Although the physiological and biochemical mechanisms of undergrowth adaptation to environmental conditions and cutting approaches remain poorly studied, this field has a high innovative potential.

This Special Issue is aimed at synthesizing research materials in the plant communities after continuous deforestation, including formation patterns, comparative analysis of the biodiversity of deforestation plots and forest stands at different stages, the methods of artificial reforestation, and the promotion of natural forest regeneration. The changes in the structure and properties of soils and the adaptation mechanisms of young woody plants in the main forest-forming species in clear-cutting are of special importance.

### **Guest Editors**

Dr. Alexander Kryshen Forest Research Institute of the Karelian Research Centre of the RAS, Petrozavodsk, Russia

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### Deadline for manuscript submissions

closed (27 October 2023)



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### Message from the Editor-in-Chief

*Forests* (ISSN 1999-4907) is an international and crossdisciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

#### Editor-in-Chief

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