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Precise Forestry: Forest Dynamic Change Mapping, Monitoring and Modeling

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Deadline for manuscript
submissions:

5 August 2024

Message from the Guest Editors

Forests are precious resources and provide ecosystem services that are essential for human well-being. Similarly, the role of forests in climate regulation and carbon sequestration is of global importance. Under climate change and human interference, forest structure, function and related ecosystem services are changing, such as unreasonable structure, forest degradation and carbon loss. Thus, precisely and consistently mapping, monitoring and modelling forest status and dynamic changes in high spatial detail is urgently needed. The combination of field investigation, remote sensing, visualization technology and computer techniques is beneficial to the generation of updated and detailed information, which plays a critical role in supporting sustainable forest management and informing the development of policies. We encourage studies from all fields, including experimental studies, monitoring approaches and models, to contribute to this Special Issue in order to promote knowledge and adaptation strategies for the precise preservation, management, and future development of forest ecosystems.



mdpi.com/si/164066

Special Issue



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Journal Rank: JCR - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

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