Special Issue

Assessment of the Health Status and Degradation Process of Forest Ecosystems

Message from the Guest Editor

Forest stands are subject to more frequent and intense stresses and deterioration due to the combination of unfavourable climatic conditions and impact of harmful biotic factors, mostly insect pests and fungal pathogens. The monitoring of health status provides baseline data on the distribution, occurrence and harmfulness of biotic agents or abiotic factors. The assessment of harmful impact and spread of the most important insect pests and fungal pathogens is essential for making decisions about their control. Remote sensing has great potential for vegetation mapping in complex landscapes due to the ultra-high-resolution imagery acquired, especially in protected forest areas. They obtain information for the sizes of areas of deteriorated by biotic, abiotic and fire damages, health status of vegetation, observation the habitat in which pests and diseases are spreading out.We encourage studies from all fields, including experimental studies and monitoring approaches to contribute to this Special Issue in order to promote knowledge and adaptation strategies for the assessment of health status and deterioration, preservation and management of forest ecosystems.

Guest Editor

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