

**SPECIAL ISSUE ON SMART SENSING TECHNOLOGIES AND THEIR APPLICATION
IN FOREST MANAGEMENT AND ENGINEERING**

PREFACE



Smart sensors enable more accurate and automated collection of environmental data with less erroneous noise amongst the accurately recorded information. At present, smart sensing technologies for monitoring forest resources and assessing environmental impacts associated with forest utilization have been rapidly developing in the fields of forest management and engineering.

This special issue focuses on experimental studies including individual or integrated devices and machinery, sensors, and their application that enable the more efficient management and protection of forest resources. This special issue contains 14 environmental studies categorized into forest resources monitoring and assessment, forest disaster monitoring and mapping, and environmental impacts associated with forest utilization. This special issue is expected to be of high interest to readers of *Sensors and Materials* by illustrating how many useful sensing techniques can be used as efficient tools for forest management and engineering.

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