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Weathering and Field Testing of Wood and Lignocellulosic Materials

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Message from the Guest Editor

Wood is one of the most important building materials and its use has been increasing in recent decades. When wood is used outdoors in aboveground applications, its major chemical constituents will be degraded by a variety of environmental factors. These changes affect the aesthetical and functional service life of wood and lignocellulosic materials, which cannot be fully assessed by laboratory testing. Field and weathering tests are necessary to obtain reliable data on the durability of wood. This is one reason for the many weathering and field durability tests around the world. This Special Issue aims to present a collection of papers on all types of field tests of wood and lignocellulosic materials. Papers dealing with laboratory and field weathering of natural, treated, modified, and surface-coated wood are welcome. Papers dealing with wood moisture content or temperature or the monitoring of decay in new and historical objects are also welcome. We encourage researchers from all fields to contribute to this Special Issue, which we hope will provide new knowledge about and present reliable data on outdoor wood behavior.



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Special Issue



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