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Wood-Moisture Relations

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Message from the Guest Editors

Wood, like many natural materials, is hygroscopic—it takes on moisture from the surrounding environment. Moisture exchange between wood and air depends on the relative humidity and temperature of the air and the current amount of water in the wood. This moisture relationship has an important influence on wood properties and performance. Many of the challenges of using wood as an engineering material arise from changes in moisture content or an abundance of moisture within the wood. Our current understanding is based fundamentally on work carried out in the 1950s and 1960s. This Special Issue will highlight recent advances in our understanding of wood–moisture relations by leading wood–moisture relations researchers from throughout the world.

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Special Issue



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