

1. Record Nr.	UNINA9910765540203321
Autore	Zhang Jun
Titolo	Current Applications of Engineered Wood // Jun Zhang
Pubbl/distr/stampa	London, England : , : IntechOpen, , 2023
ISBN	1-83769-163-0
Descrizione fisica	1 online resource (116 pages)
Disciplina	674.8
Soggetti	Engineered wood
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Table of Contents -- 1. Introductory Chapter: Engineering Wood Review -- 2. Types of Engineered Wood and Their Uses -- 3. Engineered Wood Products from Planted Tropical Timber Species -- 4. Standard Test Methods for Elastic and Shear Properties -- 5. Wood Degradation by Fungi and Environmentally Benign Wood Preservatives -- 6. Biopolymers as Coating Additives for Engineered Wood Products.
Sommario/riassunto	Wood is one of the traditional materials used in construction applications, and there is a wide range of engineered wood products available for construction. Engineered wood is a wood product derived from wood waste and byproducts such as sawdust from hardwoods and softwoods. Engineered wood types include particleboard, plywood, fiberboard, oriented strand board (OSB), laminated veneer lumber (LVL), glued laminated timber (GLT), and cross-laminated timber (CLT). This book provides a detailed introduction to the development history of engineering wood and its raw materials, applications, and advantages and disadvantages. It also compares different types of engineering wood and discusses modification of engineering wood, testing standards for mechanical properties of engineering wood, anti-corrosion, and degradation.