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Titolo	Bamboo : The Multipurpose Plant // by Esther Titilayo Akinlabi, Kwame Anane-Fenin, Damenortey Richard Akwada
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 262 p. 77 illus., 7 illus. in color.)
Disciplina	620.1
Soggetti	Mechanics Mechanics, Applied Ceramics Glass Composites (Materials) Composite materials Forest products Materials science Polymers Structural materials Solid Mechanics Ceramics, Glass, Composites, Natural Materials Wood Science & Technology Characterization and Evaluation of Materials Polymer Sciences Structural Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1 Bamboo Taxonomy and Distribution across the Globe -- 2 Regeneration, Cultivation and Sustenance of Bamboo -- 3 Properties of Bamboo -- 4 Bamboo as Fuel -- 5 Applications of Bamboo -- 6 Current Trend in Bamboo Analysis -- Appendix -- Index.
Sommario/riassunto	This book is intended for use both in the industry and the academia. It

introduces the physical, chemical and the mechanical properties as well as the characterization of bamboo. Novel industrial applications in structural, non-structural, reinforcement, afforestation, land reclamation, environmental significance, textile, medical, geotechnical, hydraulic, food, Pulp and the paper industries are addressed in detail. Bamboo has been used for centuries as a structural material as well as in diverse engineering applications, food and medicinal purposes, especially in Asia. As a natural fiber composite, bamboo has the potential for many developments in academic and industrial research. Current literature on composites tends to focus on bamboo as a plant or solely as a structural engineering material. This book seeks to bring together these two extremes and provides a holistic resource on the subject.
