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Titolo	Development of Sustainable Thermal Insulators from Waste Materials : A Circular Economy Approach // edited by Sarika Verma, Mohd. Akram Khan, A. K. Srivastava
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Nota di contenuto	Potentiality of the Wastes as Thermal Insulating Materials for Globular Economy and Sustainability -- The significance of technology and Industry 4.0 in transforming waste into wealth, especially Thermal Insulating Materials -- Mechanical, Thermal, and Durability Properties of Demolition Waste Concrete-Epicenter to Thermal insulating material -- Building a Sustainable Future with Geopolymer Thermal Insulation: Availability and Opportunities -- Textile Waste As a Resource, its Availability, and the recent technology for its transformation to wealth in the form of Thermal Insulation Material -- Plastic Waste as a Resource, its Availability, and the Conversion Technologies for its Transformation to Wealth in the Form of Thermal Insulating Materials -- Polymeric and other composites as a resource, its availability and the conversion technologies for its transformation to wealth in thermal insulating materials -- Development of High Thermal Conductive Insulation System -- Waste feathers as a resource, its availability and the recent technology in the production of new thermal insulation materials -- Valorization Of Engineered Bamboo Based Thermal Insulating Building Materials: A Journey from Nature To Nature

Sommario/riassunto

This book focuses on the major global waste management issues and development of thermal insulating materials by utilizing these wastes. It helps address various global issues like sustainable environment, waste to wealth, waste to resource material, advanced multifunctional material, skill development and employment generation. The book highlights the potentiality and the applicability of various wastes, such as municipal solid waste, agricultural waste, industrial waste, construction waste, textile waste, waste polystyrene, geopolymer, leather rubber waste, other miscellaneous waste to be considered as a resource and its availability and conversion technologies from waste to wealth as thermal insulating materials. It also discusses recent trends, for processing the waste to wealth as a thermally insulating material. This book is a useful guide to researchers and professionals working in the areas of energy storage, sustainable civil engineering, material science and others allied fields.
