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Nota di contenuto	The Diagnosis for the Lack of Remote Village Electrification Using Sustainable Energy in Labranzagrande -- Experimental Studies on Suitability of Coconut Shell as Filler Material in Concrete Cubes -- A Sustainable Approach to Turn Plastic Waste into Useful Construction Blocks -- A Study on The Flexural Behavior of Rc Beams With Partial Replacement of Sugarcane Bagasse Ash as Fine Aggregate -- Experimental Study on Light Weight Gypsum Bricks -- Study on Mechanical Properties of M30 Grade Concrete with Replacement of Cement by Wollastonite -- Experimental Study of Energy Saving Analysis using Tubular Daylighting Device -- Flexural Behavior of Auxetic Core Sandwich Beam -- Correlation between Surface Absorption and Chloride Ion Penetration of Concrete with Nano Silica -- Performance Analysis of ALFC for Dynamic Interconnected Power System Using Artificial Neural Network.
Sommario/riassunto	This book presents select papers from the International Conference on Smart Materials and Techniques for Sustainable Development (SMTS) 2019. The contents focus on a wide range of methods and techniques related to sustainable development fields like smart structures and materials, innovation in water resource development, optical fiber communication, green construction materials, optimization and innovation in structural design, structural dynamics and earthquake engineering, structural health monitoring, nanomaterials, nanotechnology and sensors, smart biomaterials and medical devices,

materials for energy conversion and storage devices, and IoT in sustainable development. This book aims to provide up-to-date and authoritative knowledge from both industrial and academic worlds, sharing best practice in the field of smart materials analysis. The contents of this book will be beneficial to students, researchers, and professionals working in the field of smart materials and sustainable development.