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Nota di contenuto	An Analysis on the Material Composition in Chettinad Lime Plasters -- Appraisal of Mechanical Properties of Flyash Based Geopolymer Mortar Augmented with Ggbs and Graphene Oxide -- Study of Ambient Cured Fly Ash-Ggbs-metakaolin Based Geopolymers Mortar -- Microstructure and Mechanical Properties of Flyash & GGBS Based Alkali Activated Concrete -- Evaluation of Acid Resistance of Sustainable Binders Using Acid Consumption -- Co2 Curing for Enhanced Early Age Strength in Saw Dust Biochar Augmented Cement Mortars -- Thermodynamic Modelling of Cementitious Paste Containing Sugarcane Bagasse Ash and Rice Husk Ash -- Effect of Rha on High Strength Geopolymer Mortar -- Performance as the Criteria for the Durability in Concrete Mix Proportioning -- Influence of Nanosilica and Microsilica on Mechanical

and Microstructural Properties of Self Cured Fibre Blended Concrete -- Influence of Fly Ash on Mechanical Properties of Slag-based Alkali Activated Concrete with Low NaOH Concentrations -- Study on Influence of Extra Water and Cement in the Development of Self Compacting Geopolymer Concrete (SCGC) -- High-temperature Behaviour of Concrete - A Review -- Studies on Performance and Micro Structural Characteristics of Self-healing Concrete -- Development of Self Compacting Geo Polymer Hybrid Fiber Reinforced Concrete Using Highly Potential Sustainable Materials.

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#### Sommario/riassunto

This book presents select proceedings of the International Conference on Cement and Building Koncrete infrastructure for sustainability and Resilience (CBKR-2023). It discusses the latest technologies and innovative and non-conventional materials for sustainable built environment. The topics covered include alternate, sustainable, cost-effective, and smart materials and technologies. It also covers applications of artificial intelligence and machine learning in construction, MCDM techniques, performance-based design, and 3D printing technologies. The book is useful for researchers and professionals in the area of civil engineering and materials science.

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