

# Novel Approaches in Materials and Technologies for Building Construction

Mohammad Arif Kamal, Rupesh Manohar Surwade,  
Abhishek Mahendra Bangre

Monograph / PDF eBook DRM Free

The book discusses the latest developments in the area of building constructions.

*Keyword:* Building Materials, Columns, Roofs, Concrete Blocks, Prefabricated Forms, Greenhouse Gas Emission, Energy Efficiency, Water Conservation, Air Quality, Life Cycle Cost, Maintenance Costs, Calcium Silicate Bricks, Autoclaved Aerated Concrete Blocks, Hydraform Interlocking Block Walling System, Reinforced Hollow Concrete Block Masonry, 3D Printing Technology, Structural Insulated Panels, Glass Fibre Reinforced Gypsum Panels, Monolithic Concrete Construction Technology, Formwork System for Building Construction, Insulated Roof, Wall Tiles, Metal Roofing System, Warehouses

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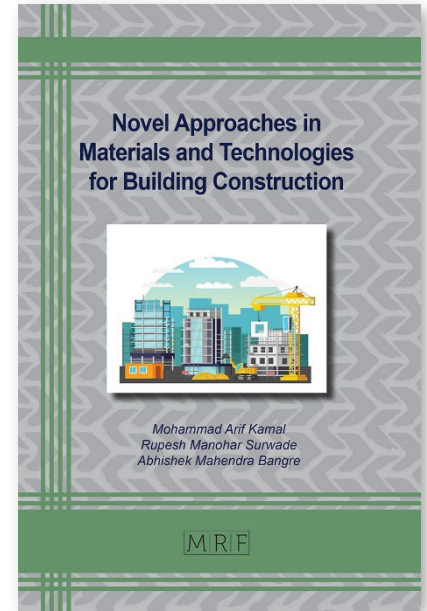
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Summary:

The book discusses the latest developments in the area of building constructions. Most of the building components such as columns, roofs and concrete blocks are available in prefabricated forms that increase the speed of construction processes. The goal is to engineer buildings that are sustainable, efficient, resilient, economically viable; and ensure the safety, health and comfort of occupants. New materials and technologies aim at energy efficiency, water conservation, improved indoor air quality, durability and low life cycle and maintenance costs.



## Print Book Information

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