

1. Record Nr.	UNINA9911007475403321
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Titolo	Advances in Sustainable Concrete for Construction // edited by Alireza Bahrami
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-85052-1
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (264 pages)
Collana	Engineering Series
Disciplina	691.3
Soggetti	Concrete Building materials Sustainable architecture Sustainability Civil engineering Building Materials Sustainable Architecture/Green Buildings Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Structural Performance of Various Climate-Improved Concrete Types -- Optimization of Reinforced Concrete.-Innovative Materials and Strategies for Low-Carbon Concrete -- Developing Empirical Models for Assessing On-Site Performance of Structural Concrete Element -- Engineered cementitious composites.-Enhancing acid resistance of recycled aggregate concrete using rice husk ash and hybrid fibers -- Enhancing acid resistance of recycled aggregate concrete using rice husk ash and hybrid fibers -- Experimental Analysis of Spent Wash as a Waste Material in Mortar -- Sustainable development with earth concrete.
Sommario/riassunto	This book offers groundbreaking insights into transforming the concrete industry with innovative, environmentally conscious solutions. It explores the latest advancements in sustainable technologies, including climate-improved concrete, green binders, recycled materials, and high-performance composites. It also covers the optimization of reinforced concrete structures, load-bearing columns

and beams replacements, as well as non-destructive testing methods for predicting concrete performance. Additionally, it investigates engineered cementitious composites, internally cured concrete, and industrial by-products to address pressing environmental challenges in construction. An indispensable reference for engineers, architects, and researchers shaping the future of sustainable infrastructure and reducing carbon footprints. Explores sustainable concrete technologies like climate-improved concrete, green binders, recycled materials, and high-performance composites; Examines both the optimization of reinforced concrete structures and non-destructive testing methods for predicting concrete performance; Focuses on addressing pressing environmental challenges in construction through the use of engineered cementitious composites, internally cured concrete, and industrial by-products.

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