

1. Record Nr.	UNINA9910392746403321
Titolo	Sustainable Civil Engineering Practices [[electronic resource]] : Select Proceedings of ICSCEP 2019 // edited by Varinder S. Kanwar, Sanjay Kumar Shukla
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3677-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (239 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2557 ; ; 72
Disciplina	624
Soggetti	Buildings—Design and construction Building Construction Engineering, Architectural Sustainable architecture Waste management Renewable energy resources Building—Superintendence Construction industry—Management Construction superintendence Building Construction and Design Sustainable Architecture/Green Buildings Waste Management/Waste Technology Renewable and Green Energy Construction Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Pollution prevention techniques and technologies -- 2. Eco and green materials in construction -- 3. Sustainable buildings -- 4. Smart cities and villages -- 5. Sustainability in road construction -- 6. Sustainable transport infrastructure and management -- 7. Architectural interaction for sustainable built environment -- 8. Geological and rock engineering -- 9. Zero energy buildings -- 10. Water pollution – prevention and management -- 11. Carbon footprint

management/CDM -- 12. Waste minimization & management -- 13. Sustainable infrastructure -- 14. Renewable energy infrastructure -- 15. Innovative materials and techniques for sustainable concrete construction.

Sommario/riassunto

This book comprises select proceedings of the International Conference on Sustainable Civil Engineering Practices (ICSCEP 2019). It covers several important aspects of sustainable civil engineering practices dealing with effective waste and material management, natural resources, industrial products, energy, food, transportation and shelter, while conserving and protecting the environmental quality and the natural resource base essential for future development. The book also discusses engineering solutions to sustainable development and green design issues. Special emphasis is given on qualitative guidelines for generation, treatment, handling, transport, disposal and recycling of wastes. The book is intended as a practice-oriented reference guide for researchers and practitioners, and will be useful for all working in sustainable civil engineering related fields. .
