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ISBN	9789811986659 9789811986642
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Descrizione fisica	1 online resource (460 pages)
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Soggetti	Environmental protection Civil engineering Environmental engineering Soil science Soil and Water Protection Environmental Civil Engineering Soil Science
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Soil and Water Conservation -- Water Erosion -- Soil Loss Estimation -- Terrace -- Bunds -- Vegetated Waterways -- Gully Control Structures -- Drop Spillway -- Drop Inlet Spillway -- Chute Spillway -- Wind Erosion -- Earthen Embankments and Farm Ponds -- Remote Sensing and GIS Applications in Soil Conservation -- Impact of Climate and Land Use Land Cover Changes on Soil Erosion -- Future Outlook.
Sommario/riassunto	The book is designed to serve as a textbook for graduate and undergraduate courses on soil and water conservation engineering for students of agricultural engineering, civil engineering, environmental engineering and related disciplines. The book presents the basics of soil and water erosion, and describes the measures to control erosion, focusing on structures to prevent and control erosion. The chapters dedicated to erosion control structures provide a detailed view of each structural construction, covering the function, design and elements of each type of structure. Some common type of structures covered in the book are terrace, bunds, vegetated waterways, and gully control

structures, including spillways. The book also covers wind erosion and control structures to prevent wind erosion. Each chapter includes pedagogical elements such as examples, practice questions, and multiple-choice-type questions to improve understanding and aid in self-study. Besides serving as a textbook university coursework, the book can also serve as a supplementary or primary text for professional development courses for practicing engineers engaged in soil and water conservation or watershed management. The book will also serve as a reference for professionals, environmental consultants, and policy makers engaged in soil and water conservation related fields.