1. Record Nr. UNINA9910799248003321

Autore	Chatterjee Uday
Titolo	Climate Crisis
Pubbl/distr/stampa	Cham : , : Springer International Publishing AG, , 2024 ©2023
ISBN	3-031-44397-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (601 pages)
Collana	Sustainable Development Goals Series
Altri autori (Persone)	ShawRajib KumarSuresh RajAnu David DasSandipan
Disciplina	363.73874
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Foreword -- Preface -- Acknowledgments -- Disclaimer -- Contents -- About the Editors -- Contributors -- Part I: Introduction -- 1: Global Warming and Climate Crisis/Extreme Events -- 1.1 Introduction to Global Warming, Climate Change, and Extreme Events -- 1.2 Climate Change: Evidences, Causes, and Consequences -- 1.2.1 Evidences -- 1.2.2 Causes -- 1.2.3 Consequences/Effects -- 1.3 CO2 as a Major Indicator for Global Warming -- 1.3.1 Relationship Between Soils and Climate Change -- 1.4 Climate Crisis and Food Security -- 1.5 A Way Forward? Sustainability -- 1.5.1 Role of SDG in Mitigating Climate Crisis -- 1.6 A Framework of Climate Resilience for Sustainability: Watershed Level Measures -- 1.7 Conclusions -- References -- 2: Ecosystem Degradation to Restoration: A Challenge -- 2.1 Introduction -- 2.2 Farmland Ecosystem -- 2.3 Degradation of Farmlands -- 2.4 Forest Ecosystems -- 2.5 Degradation of Forests -- 2.6 Why Restoration? -- 2.7 Restoring Farmland Ecosystem -- 2.8 Restoring Forest Ecosystem -- 2.9 Restoration Methods -- 2.9.1 Regenerative Agriculture -- 2.9.2 Climate Smart Agriculture -- 2.9.3 Forest and Landscape Restoration -- 2.9.4 Phytoremediation -- 2.9.5 Phytocapping -- 2.9.6 Nucleation Techniques -- 2.9.7 Miyawaki Forest: An Eco-sustainable Afforestation Technique -- 2.9.8