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Nota di contenuto	<p>Intro -- Foreword -- Preface -- Part I: Environmental Remediation -- Part II: Phytoremediation -- Part III: Environmental Safety, Health, and Risk Assessment -- Acknowledgements -- Introduction -- Part I: Environmental Remediation -- Part II: Phytoremediation -- Part III: Environmental Safety, Health, and Risk Assessments -- Contents -- Editors and Contributors -- Part I: Environmental Remediation -- 1: Ecosystem Engineers: A Sustainable Catalyst for Environmental Remediation -- 1.1 Introduction -- 1.2 Green Technologies for the Sustainable Development -- 1.3 Bioremediation: An Effective Tool to Manage Pollution -- 1.3.1 Ecosystem Engineers -- 1.3.2 Conventional Bioremediation Approaches for Pollutant Mitigation: Micro-Remediation -- 1.3.3 Mechanism behind Degradation -- 1.3.4 Sustainable Enzyme Technology for Environmental Remediation -- 1.3.4.1 Hydrolases (EC3) -- 1.3.4.2 Esterases (EC 3.1) -- 1.3.4.3 Nitrilases (EC 3.5.5.1) -- 1.3.4.4 Peroxidases (EC1) Ligninolytic Peroxidases -- 1.3.4.5 Lignin Peroxidase -- 1.3.4.6 Manganese Peroxidase (EC 1.11.1.13) -- 1.3.4.7 Cytochrome p450 Monooxygenase (EC 1.14.14.1) -- 1.4 Entomoresiduation -- 1.4.1 The Role of Earthworms in Pollutant Degradation -- 1.4.2 The Significance of Gut Produced Enzymes in Degradation Processes -- 1.5 Conclusions: A Road Ahead Towards Sustainable Development -- References -- 2: Microbial Nanobiotechnology in</p>

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