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Nota di contenuto	Preface -- Section 1 Perspectives on the Biochar Future -- Chapter 1 Review: Heads or Tails? Toward a Clear Role of Biochar as a Feed Additive on Ruminant's Methanogenesis by Ana R.F. Rodrigues, Margarida R.G. Maia, Ana R.J. Cabrita, Hugo M. Oliveira, Ines M. Valente, Jose L. Pereira, Henrique Trindade and Antonio J.M. Fonseca -- Chapter 2 Biochar: Production, Application and the Future by Edward Kwaku Armah, Maggie Chetty, Jeremiah Adebisi Adedeji, Denzil Erwin Estrice, Baldwin Mutsvene, Nikita Singh and Zikhona Tshemese -- Chapter 3 Biochar from Cassava Waste: A Paradigm Shift from Waste to Wealth by Minister Obonukut, Sunday Alabi and Alexander Jock -- Section 2 Environmental Applications -- Chapter 4 79 Biochar for Environmental Remediation by Dinesh Chandola and Smita Rana -- Chapter 5 The Potential Roles of Biochar in Restoring Heavy-Metal-Polluted Tropical Soils and Plant Growth by Abdul Kadir Salam -- Chapter 6 Biochar Application in Soil Management Systems by Theophilus Olufemi Isimikalu -- Chapter 7 Aged Biochar for the Remediation of Heavy Metal Contaminated Soil: Analysis through an Experimental Case the Physicochemical Property Changes of Field Aging Biochar and Its Effects on the Immobilization Mechanism for Heavy Metal by Run-Hua Zhang, Lin-Fang Shi, Zhi-Guo Li, Guo-Lin Zhou, Yan-Lan Xie, Xing-Xue Huang, An-Hua Ye and Chu-Fa Lin -- Chapter 8 Sustainable and Eco-Friendly Biomass Derived Biochars for the Removal of Contaminants from Wastewater: Current Status and

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#### Sommario/riassunto

Biochar is the carbonaceous residue produced from the pyrolytic conversion of biomass. It is generally used for agricultural applications as a soil amendment but has far wider potential. This book presents the use of biochar as a platform for the development of new intriguing solutions in several cutting-edge fields. The book is a useful reference volume for any reader with a strong scientific and technological background, ranging from scientific advisors in private companies to academic researchers promoting the spread of knowledge about biochar to anyone not already working with it.

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