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Autore	Bordoloi Nirmali
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Altri autori (Persone)	BauddhKuldeep BaruahK. K
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Nota di contenuto	Chapter 1. Greenhouse Gas Emission Reduction by Crop Management and Climate-Smart Agriculture -- Chapter 2. Organic Farming and Greenhouse Gas Emission -- Chapter 3. Towards Net-Zero Emissions in Croplands of China through Reducing Non-Co2 Emissions and Improving Soil Carbon Sequestration -- Chapter 4. Soil Amendment Strategies for Reducing Greenhouse Gas Emissions from Agricultural Soil -- Chapter 5. Modeling Approaches for the Assessment and Mitigation of Agricultural Greenhouse Gas Emissions -- Chapter 6. Agriculturalnon-Co2 Greenhouse Gases: Sources and Consequences -- Chapter 7. The Role of Waste Vermicompost on Soil Organic C Sequestration in Arable Lands: Some Critical Arguments -- Chapter 8. Use of Biochar for Mitigating Greenhouse Gas Emission during Agriculture -- Chapter 9. Evolution of Biofuel and Its Role in Greenhouse Gas Mitigation -- Chapter 10. Estimation of Greenhouse Gases Emission by Employing Remote Sensing Techniques -- Chapter 11. Role of Slow-Release Fertilizers and Nitrification Inhibitors In Greenhouse Gas Nitrous Oxide (N2o) Emissions Reduction From Rice Wheat Agroecosystem -- Chapter 12. Application Of Organic Biowastes With Varied C:N In Tropical Rice Paddies Of Northeast India.
Sommario/riassunto	This book collects information on greenhouse gas (GHG) emissions,

especially from the agro-ecosystems. It highlights the GHG emission mitigation measures using environmentally viable and cost-effective technologies. The title deals with the evaluation of the emission of GHGs from different agriculture sources, estimates the emission trends, analyzes the affecting drivers and assesses the feasible and suitable mitigation options for local farmers. Agricultural activities including land clearing, crop cultivation, fertilizer application, irrigation pattern, animal husbandry and fisheries have a significant impact on GHG production and emissions. The application of excess amount of inorganic fertilizer to increase the crop production may also boost the emissions of GHGs from agricultural fields. Therefore, it is urgent to concurrently quantify the fluxes of GHGs, improve understanding of gaseous emissions from different agricultural sources and to develop mitigation strategies to reduce the future climate chaos. This book is of interest to the farmers, horticulturists, scientists, ecologists, and a valuable source of reference to the relevant researchers and students in the region. Also, the book serves as additional reading material for undergraduate and graduate students of environmental science, agriculture, animal husbandry, ecology and soil science.
