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Nota di contenuto	Contents; Contributors; Preface; 1 Overview; SECTION I: Livestock Production; 2 Feed Resources vis-à-vis Livestock and Fish Productivity in a Changing Climate; 3 Strategies for Alleviating Abiotic Stress in Livestock; 4 Nitrogen Emissions from Animal Agricultural Systems and Strategies to Protect the Environment; 5 Nutritional Strategies for Minimizing Phosphorus Pollution from the Livestock Industry; 6

Metagenomic Approaches in Harnessing Gut Microbial Diversity; 7  
Proteomics in Studying the Molecular Mechanism of Fibre Degradation;  
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Footprints of Food of Animal Origin; 10 Carbon Sequestration and  
Animal-Agriculture: Relevance and Strategies to Cope with Climate  
Change; 11 Climate Change: Impacts on Livestock Diversity in Tropical  
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Climate Change: Impact of Meat Production; 14 Indigenous Livestock  
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#### Sommario/riassunto

In a changing climate, livestock production is expected to exhibit dual roles of mitigation and adaptation in order to meet the challenge of food security. This book approaches the issues of livestock production and climate change through three sections: I. Livestock production, II. Climate change and, III. Enteric methane amelioration. Section I addresses issues of feed quality and availability, abiotic stress (heat and nutritional) and strategies for alleviation, livestock generated nitrogen and phosphorus pollution, and approaches for harnessing the complex gut microbial diversity. Section

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