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Altri autori (Persone)	LemaireGilles <1945-> HodgsonJ <1937-> (John) ChabbiAbad
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Nota di contenuto	Food security and environmental impacts / Gilles Lemaire, John Hodgson, Abad Chabbi -- Primary production of grasslands, herbage accumulation and use, and impacts of climate change / Anthony Parsons ... [et al.] -- Nutritional constraints for grazing animals and the importance of selective grazing behavior / Dennis P. POPPI -- The influence of vegetation characteristics on foraging strategies and ingestive behavior / Sophie Prache, Remy Delagarde -- Diversity, productivity and stability in grazing systems / Andrew Illius, Herve Fritz, John Fryxell -- Importance of scale in the management of grassland resources / John G. Mc Ivor -- Livestock production styles and managing grassland ecosystems / David R. Kemp, David L. Michlak -- Carbon storage and organic matter dynamics in grassland soil / Cornelia Rumpel -- Managing C and N in grassland systems / Roland Bol, Robert M. Dunn, Emma S. Pilgrim -- Managing mineral N leaching in grassland systems / Stewart F. Ledgard, J. Luo, R.M. Monaghan -- Greenhouse gas emission from grassland area and mitigation / Nina Buchman -- Role and impacts of legumes in grasslands for high

productivity and N gain from symbiotic N₂ fixation / Andreas Luscher, Jean-Francois Soussana, Olivier Huguenin-Elle -- Efficiency of phosphorus cycling in different grassland systems / Richard W. McDowell, Peter J.A. Kleinman -- Predicting biodiversity dynamics of grasslands under global changes / Andrew P. Askew, Jason D. Fridley, J. Philip Grime -- Interactions between grassland management and species diversity / Bertrand Dumont, Jerry R.B. Tallowin -- Assessing the functional role of plant diversity in grasslands / Eric Garnier, Marie-Laure Navas -- Exploiting genotypic and phenotypic plant diversity in grasslands / Mike Humphreys ... [et al.] -- Microbial diversity of grasslands, its functional role / Xavier Leroux, Sylvie Recous, Eleonore Attard -- Soil fauna diversity and ecosystem functions in grasslands / Thibaud Decaens, Patrick Lavelle -- Role of grasslands in intensive animal production in north-west Europe / Jean-Louis Peyraud -- Management of grazing systems in New Zealand and environmental impacts / M. Greg. Lambert, V.O. Snow -- Rangeland management for sustainable conservation of natural resources / Craig D. Morris -- Opportunities and challenges for integrating North American crop and livestock systems / Alan J. Franzluebbbers, R. Mark Sulc, Michaele P. Russelle -- Integration of grasslands within arable crop systems in South America / Paulo C.F. de Carvalho, Anibal de Moraes -- Temperate grasslands in catchment systems / Christopher J.A. McLeod, Robert C. Ferrier -- Integration of grasslands with forests at regional level / Gerard Balent, Annick Gibbon -- Role of grasslands area within arable cropping systems for conservation or enhancing biodiversity at regional level / Vincent Bretagnolle, Bertrand Gauffre, Isabelle Badenhauer -- Interactions between cereal cropping systems and pastoral areas as the base for a sustainable agriculture development in Mediterranean countries / Aissa Abdelguerfi, Tayeb Ameziane El Hassani -- A way for developing integrated system at landscape level in tropical areas / Rene Pocard-Chapuis, Philippe Lecomte.

Sommario/riassunto

Grassland ecosystems are deeply affected by human activities and need appropriate management to optimise trade-offs between ecosystem functions and services. Until now they have mainly been analysed as agro-ecosystems for animal production but this book looks beyond the role of grassland as a feeding ground, and evaluates other important processes such as carbon sequestration in soils, greenhouse gas regulation and biodiversity protection. This authoritative volume expertly highlights the need for an immediate balance between agriculture and ecological management for sustainability in the futu
