1. Record Nr. UNIPARTHENOPE000026322

Titolo	Journal of accounting research [risorsa elettronica] / Institute of Professional Accounting, Graduate School of Business, University of Chicago;London School of Economics and Political Science, University of London
Pubbl/distr/stampa	[s.l.] : Blackwell Publisher, 1963-
ISSN	1475-679X
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Periodico

2. Record Nr. UNINA9910298449303321

Titolo	Rumen Microbiology: From Evolution to Revolution / / edited by Anil Kumar Puniya, Rameshwar Singh, Devki Nandan Kamra
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-2401-9
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (380 p.)
Disciplina	570
Soggetti	Microbial ecology Bacteriology Biodiversity Microbiology Microbial genetics Microbial genomics Microbial Ecology Eukaryotic Microbiology Microbial Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.

Nota di contenuto	Part 1 - Overview of rumen and ruminants -- 1. Rumen Microbiology: An Overview -- 2. Rumen Microbial Ecosystem of Domesticated Ruminants -- 3. Domesticated Rare Animals (Yak, Mithun and Camel): Rumen Microbial Diversity -- 4. Wild Ruminants -- 5. Structure-and-function of a non-ruminant gut: a porcine model -- Part 2 - Rumen microbial diversity -- 6. Rumen bacteria -- 7. Rumen fungi -- 8. Rumen Protozoa -- 9. Ruminal viruses (Bacteriophages, Archaeaphages) -- 10. Rumen Methanogens -- Part 3 - Rumen manipulation -- 11. Plant SecondaryMetabolites -- 12. Microbial feed additives -- 13. Utilization of organic acids to manipulate ruminal fermentation and improve ruminant productivity -- 14. Selective inhibition of harmful rumen microbes -- 15. Various 'Omics' approaches to understand and manipulate rumen microbial function -- Part 6 - Exploration and exploitation of rumen microbes -- 16. Rumen Metagenomics -- 17. Rumen: an underutilized niche for industrially important enzymes -- 18. Ruminal Fermentations to Produce Liquid and Gaseous Fuels -- 19. Commercial application of rumen microbial enzymes -- 20. Molecular characterization of Euryarcheal community within an anaerobic digester -- Part 5 - Intestinal disorders and rumen microbes -- 21. Acidosis in cattle -- 22. Urea/ ammonia metabolism in the rumen and toxicity in ruminants -- 23. Nitrate/ nitrite toxicity and possibilities of their use in ruminant diet -- Part 6 - Future prospects of rumen microbiology -- 24. The Revolution in Rumen Microbiology.
Sommario/riassunto	This book offers an in-depth description of different groups of microbes (i.e. bacteria, protozoa, fungi and viruses) that exist in the rumen microbial community, and offers an overview of rumen microbiology, the rumen microbial ecosystem of domesticated ruminants, and rumen microbial diversity. It provides the latest concepts on rumen microbiology for scholars, researchers and teachers of animal and veterinary sciences. With this goal in mind, throughout the text we focus on specific areas related to the biology and complex interactions of the microbes in rumen, integrating significant key issues in each respective area. We also discuss rumen manipulation with plant secondary metabolites, microbial feed additives, utilization of organic acids, selective inhibition of harmful rumen microbes, and 'omics' approaches to manipulating rumen microbial functions. A section on the exploration and exploitation of rumen microbes addresses topics including the current state of knowledge on rumen metagenomics, rumen: an underutilized niche for industrially important enzymes, and ruminal fermentations to produce fuels. We next turn our attention to commercial applications of rumen microbial enzymes and to the molecular characterization of euryarcheal communities within an anaerobic digester. A section on intestinal disorders and rumen microbes covers acidosis in cattle, urea/ ammonia metabolism in the rumen, and nitrate/ nitrite toxicity in ruminant diets. Last, the future prospects of rumen microbiology are examined, based on the latest developments in this area. In summary, the book offers a highly systematic collection of essential content on rumen microbiology.