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Altri autori (Persone)	MertensPeter P. C BaylisMatthew MellorP. S (Philip S.)
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Nota di contenuto	Front Cover; Bluetongue; Copyright Page; Contents; Series Introduction; Preface; Acknowledgement; Chapter 1 Introduction; Background; Bluetongue, an emerging disease; Chapter 2 The history of bluetongue; Introduction; Geographical distribution; Host range; Aetiology; Transmission; Control; Chapter 3 Bluetongue virus, other orbiviruses and other reoviruses: Their relationships and taxonomy; Introduction; The genera of the family Reoviridae; The genus Orbivirus; Classification and differentiation of the Orbivirus species; The economically important orbiviruses; Emerging orbiviruses Orbiviruses that can infect humansRelationships with other reoviruses; Phylogenetic relationships of the orbivirus proteins; Phylogenetic

relationships between the RNA- dependent RNA polymerase (Pol - RdRP) of the different orbiviruses; Phylogenetic relationships based on the sub-core shell T2 protein of bluetongue virus and other orbiviruses; Dating divergence times for bluetongue virus and epizootic haemorrhagic disease virus serotypes; Chapter 4 Bluetongue virus replication and assembly; Introduction; Arrangement of proteins in the virus outer capsid and their role in virus entry
Functional dissection of the enzymatic core proteins
Assembly of the viral core; Assembly of the viral outer capsid; Release of progeny virions from infected cells; Concluding remarks; Chapter 5 Bluetongue virus: cell biology; Introduction; Bluetongue virus entry into the cellular host; Viral structures and their functions; Interaction of bluetongue virus with the cytoskeleton; Involvement of the cellular translation machinery during bluetongue virus infection; Fate of bluetongue virus-infected cells and virus egress; Conclusions; Chapter 6 The structure of bluetongue virus core and proteins
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Conclusions/Discussion
Chapter 8 Bluetongue in the Indian subcontinent; Introduction; Geographical distribution and seasonality; Clinical bluetongue in sheep; Serological prevalence of bluetongue in other animal species; Vectors; Bluetongue virus serotypes reported from Indian subcontinent; Diagnosis; Molecular epidemiology studies; Economic impact of bluetongue and control; Acknowledgments; Chapter 9 Current status of bluetongue virus in the Americas; Introduction; North America; Central America; South America; Virus-vector Interactions; Summary; Acknowledgments
Chapter 10 Bluetongue viruses in Australasia and East Asia

Sommario/riassunto

The third volume in the Institute of Animal Health (IAH) Biology of Animal Infections Series, Bluetongue discusses one of the most economically important diseases of domesticated livestock. Affecting primarily sheep particularly the improved mutton and wool breeds, it is now endemic in Africa, India, the Middle and Far East, Australia and the Americas, and over the last six years has caused a series of outbreaks throughout the Mediterranean region and central Europe. Bluetongue represent a paradigm not only for the other orbiviruses (such as African horse sickness virus, which sh
