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	Autore	Valéry, Paul
	Titolo	Il cimitero marino / Paul Valéry ; versione e commento di Mario Tutino ; prefazione di Alessandro Parronchi
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	Lingua di pubblicazione	Italiano
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2.	Record Nr.	UNINA9910983340203321
	Autore	Kumar Sachin (Researcher of veterinary research)
	Titolo	Acaricides Resistance in Ticks : A Global Problem // edited by Sachin Kumar, Raquel Cossio-Bayúgar, Estefan Miranda-Miranda, Anil Kumar Sharma, Ashok Kumar Chaubey
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	Altri autori (Persone)	Cossio-BayúgarRaquel Miranda-MirandaEstefan SharmaAnil Kumar ChaubeyAshok Kumar
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## Nota di contenuto

Chapter 1. Introduction to Ticks and Their Resistance to Acaricides -- Chapter 2. Basic biology of ticks -- Chapter 3. Acaricide Chemistry and Modes of Action -- Chapter 4. Mechanisms of Acaricide Resistance -- Chapter 5. Monitoring Acaricide Resistance -- Chapter 6. Managing acaricide resistance in the cattle tick, *Rhipicephalus microplus* (Acari: Ixodidae) -- Chapter 7. Tick-Borne Diseases -- Chapter 8. Unlocking Tick Resistance with Transcriptome-Based Bioinformatics -- Chapter 9. Vaccines Against Ticks -- Chapter 10. Tick Immunomodulation: a Novel Approach to Develop Strategies to Control and Prevent Tick Infestations. Chapter 11. Exploring the Potential of Plant Extracts as Novel Bioacaricides -- Chapter 12. Using Entomopathogenic Fungi for Tick Control.

## Sommario/riassunto

This book discusses the significance of the chemical acaricides resistance in ticks as a global problem. Resistance is the ability of a tick population to survive and reproduce in the presence of a pesticide that would otherwise be lethal. This resistance threatens the efficacy of a range of acaricides used to control tick populations and consequently, has a negative impact on the effectiveness of various pest management strategies. This resistance is caused by the selection of resistant tick genotypes and enhanced metabolic detoxification. To address this problem the book explores an integrated approach that is needed to identify and manage tick populations that are resistant to acaricides, as well as identify and develop novel acaricides that are effective against resistant tick species populations. It describes the complex issues associated with this phenomenon using cutting edge advancement in Bioinformatics and Bioinformation Discovery. The chapters provide current information pertaining to the types of protein-protein complexes (homodimers, heterodimers, multimer complexes) in context with various specific and sensitive biological functions. The significance of such complex formation in human biology in the light of molecular evolution is also highlighted using several examples. The book serves as a valuable resource for students, academicians and researchers studying about tick resistance.