Ticks are blood-sucking ectoparasites, which have long been known to cause itching due to their bites, and for their ability to transmit pathogens responsible for diseases that can cause physical harm to pets, livestock, wild animals, and humans, sometimes with considerable economic losses, notably in the cattle industry.

A sound knowledge of tick biology, anatomy, and morphology are essential for an understanding of the physiology, adaptations, and evolutionary success of these organisms. Moreover, such knowledge is indispensable for the establishment of strategies for their control and management of tick-borne diseases.

In this context, the present book was conceived and written by recognized expert morphologists belonging to the Brazilian Central of Studies on Ticks Morphology (BCSTM) – Unesp, Rio Claro (SP), Brazil. The objective of this publication is to clarify tick morphohistology, through a compilation of studies conducted by these researchers, illustrating how histological techniques have been applied in tick studies.
INSIDE ticks
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Inside Ticks
Morphophysiology,
Toxicology and
Therapeutic Perspectives

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