

1. Record Nr.	UNINA9910298408503321
Titolo	Mosquito-borne diseases [[electronic resource] ] : implications for public health // edited by Giovanni Benelli, Heinz Mehlhorn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-94075-9
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (353 pages)
Collana	Parasitology Research Monographs, , 2192-3671 ; ; 10
Disciplina	614.4323
Soggetti	Parasitology Veterinary medicine Virology Invertebrates Veterinary Microbiology, Parasitology and Infectious Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mosquito transmission of HIV – rare or not possible? -- How to protect people from malaria when the diffusion of insecticide resistant Anopheles mosquitoes will have abolished efficacy of the major vector control tools? -- Elettaria cardamomum (L.) fabricated ferric nanoparticles exhibits antivectorial and antiviral activity in Dengue virus type 2 infection -- Vector potential of mosquito species (Diptera: Culicida) -- Mosquitoes endangering health in China -- Essential oils from aromatic and medicinal plants as effective weapons against mosquito vectors of public health importance? -- Introduction - Why are mosquitoes dangerous: adaptations in life cycles and behaviour -- Morphology of mouthparts of mosquitoes and related species adapted to blood sucking -- Protection from mosquito bites in army field activities -- Zika virus epidemics – a sudden outbreak? -- Natural disasters and transmission of parasites; what is the role of veterinarians to play? - from theory to praxis -- Mosquitoes as arbovirus vectors: from species identification to vector competence -- Threats by mosquito-borne pathogens in Europe -- Mosquitocidal and antiplasmodial potential of Syzygium cumini fabricated silver nanoparticles and its toxicity against predatory fish -- Mosquito-borne

diseases: Prevention is the cure for Dengue, chikungunya and zika viruses -- Long-lasting insecticide-treated textiles preventing from mosquito bites and mosquito-borne diseases -- Molecular aspects of species of the genus *Aedes* with epidemiological importance.

---

## Sommario/riassunto

This book gathers contributions by 39 international specialists on well-known but neglected mosquito-borne diseases. The authors highlight pathogens that are increasingly being spread worldwide by various mosquito species, a situation worsened further by migration and tourism. The book addresses significant agents of diseases like AIDS, dengue, Zika virus, malaria and even cancer, and the risk of transmission via mosquito-related vectors. In addition, it examines important means of preventing the outbreak of related diseases by using insecticides and/or repellents. A particular focus is on the unique and sophisticated mouthparts of bloodsucking species, which allow them to feed on blood in an undisturbed manner, and by means of which agents of disease can enter potential human and animal hosts. In brief, the book provides a broad range of information for a wide readership, including graduates, teachers and researchers in the fields of parasitology, virology, tropical medicine and microbiology, as well as practitioners and healthcare officials.

---