

Contents

Biology, Structure, Function

The 1592 entries of this volume mainly cover the following topics:

Arboviruses	Molecular systematics
Behaviour	Morphology
Classification	Motility
Ecological aspects	Nerve functions
Habitat selection	Nutrition
History	Penetration
Hormones	Phylogenic aspects
Host finding	Reproduction
Host-parasite interface	Serology
Immune diagnostic methods	Systematics
Invasion procedures	Transmitted pathogens
Live cycles	Ultrastructure
Metabolism	Vector biology

Diseases, Treatment, Therapy

The 565 entries mainly covering the following topics:

Acaricides	Immune reactions
Chemotherapy	Insecticides
Clinical symptoms	Opportunistic agents
Control measurements	Pathology
Diagnostics	Prophylaxis
Diseases of animals	Serology
Diseases of man	Strategies
Drug actions	Tick transmitted diseases
Drug resistance	Vaccination trials
Drug availability	Vaccines
Epidemiology	Vector transmitted diseases
Host reactions	Zoonoses

Main Topics and Contributors

Acanthocephala (Taraschewski)
Antibodies (Seitz and Reiter-Owona)
Arboviruses (Aspöck)
Behaviour (Taraschewski)
Cell Penetration (Dubremetz)
Chemotherapy against helminthoses (Raether and Harder)
Chemotherapy against protozoan diseases (Raether and Hänel)
Classification (Mehlhorn)
Clinical and pathological signs of parasitic infections in domestic animals (Vercruysse and de Bont)
Clinical and pathological signs of parasitic infections in man (Frenkel, Mehlhorn)
Connecting entries (Mehlhorn)
Drug action in ectoparasites (Turberg and Londershausen)
Drug action in Protozoa and helminths (Harder)
Drug Tables (Raether)
Ecological aspects (Combes)
Ectoparasitizides (Londershausen and Hansen)
Environmental aspects (Combes)
Epidemiological aspects (Wernsdorfer)
Eye parasites (Mehlhorn)
Fine structure of parasites (Mehlhorn)
Hormones (Spindler)
Host finding mechanisms (Haas)
Host parasite interface (Dubremetz, Mehlhorn)
Immunodiagnostic methods (Seitz and Reiter-Owona)
Immunological responses of the host (Gessner and Röllinghoff)
Insects as vectors (Schaub)
Life cycles (Mehlhorn and Walldorf)
Lyme disease (Spielman and Armstrong)
Mathematical Models (Freeman)
Metabolism (Köhler and Tielens)
Molecular systematics (Mackenstedt)
Morphology (Mehlhorn)
Motility (Dubremetz, Mehlhorn)
Nerves-structures and functions (Gustafsson and Halton)
Nutrition (Köhler and Tielens)
Opportunistic agents (except *Pneumocystis*, Mehlhorn)
Pathologic effects in animals (Vercruysse and de Bont)
Pathologic effects in humans (Frenkel)
Pathology (Frenkel)
Pentastomida (Walldorf)

Phylogeny (Mackenstedt)

Physiological aspects (Köhler and Tielens)

Planning of control (Wernsdorfer)

Pneumocystis carinii (Baughman and Kaneshiro)

Reproduction (Mehlhorn)

Resistance against drugs (Harder)

Serology (Seitz and Reiter-Owona)

Strategy of control measurements (Wernsdorfer)

Ticks as vectors in animals (Voigt from 1st ed., Mehlhorn)

Ticks as vectors in humans (Spielman and Armstrong)

Ultrastructure (Mehlhorn)

Vaccination

– Protozoa (Behr and Pereira da Silva)

– Plathelminthes (Richter)

– Nemathelminthes (Schnieder)

Vector biology

– Insects (Schaub, Mehlhorn)

– Ticks (Spielman, Mehlhorn, Voigt)