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Arthropod reproduction; 1.6.10 Arthropod size; 1.7 Patterns of arthropod development; 1.7.1 Moulting; 1.7.2 Simple and complex life-cycles; 1.8 The classification of diversity; 1.9 The origins of arthropods; 1.10 Living arthropod groups; 1.10.1 Arachnids; 1.10.2 Insects; 1.10.3 Other living arthropod classes; 1.11 Arthropod distributions; Further reading and references; Chapter 2 Mites (Acari); 2.1 Introduction; 2.2 Morphology; 2.3 Life history; 2.4 Pathology; 2.5 Classification; 2.5.1 Astigmata; 2.5.2 Prostigmata; 2.5.3 Mesostigmata; 2.6 Recognition of mites of veterinary importance; 2.7 Astigmata (Sarcoptiformes); 2.7.1 Sarcoptidae; Guide to the suborders of Acari; Guide to species and families of veterinary importance; 2.7.2 Psoroptidae; Guide to the identification of life-cycle stages of Psoroptes mites; 2.7.3 Knemidocoptidae; 2.7.4 Listrophoridae; 2.7.5 Astigmatid mites of minor veterinary interest; 2.8 Prostigmata (Trombidiformes); 2.8.1 Demodicidae; 2.8.2 Cheyletiellidae; 2.8.3 Trombiculidae; 2.8.4 Psorergatidae; 2.8.5 Prostigmatid mites of minor veterinary interest; 2.9 Mesostigmata (Gamasid mites); 2.9.1 Macronyssidae; 2.9.2 Dermanyssidae; 2.9.3 Mesostigmatid mites of minor veterinary interest; Further reading and references; Chapter 3 Ticks (Acari); 3.1 Introduction; 3.2 Morphology; 3.2.1 Ixodidae; 3.2.2 Argasidae; 3.3 Life history; 3.3.1 Ixodidae; 3.3.2 Argasidae; 3.4 Pathology; 3.4.1 Cutaneous effects of tick feeding; 3.4.2 Systemic effect: vectors of disease; 3.4.3 Systemic effects: tick paralysis; 3.4.4 Other systemic effects; 3.5 Classification; 3.6 Recognition of ticks of veterinary importance; Guide to tick identification; 3.7 Ixodidae; 3.7.1 Ixodes; 3.7.2 Dermacentor; 3.7.3 Haemaphysalis; 3.7.4 Rhipicephalus; 3.7.5 Boophilus; 3.7.6 Amblyomma; 3.7.7 Hyalomma; 3.8 Argasidae; 3.8.1 Argas; 3.8.2 Otobius; 3.8.3 Ornithodoros; Further reading and references; Chapter 4 Adult Flies (Diptera); 4.1 Introduction; 4.2 Morphology; 4.3 Life history; 4.4 Pathology; 4.5 Classification; 4.5.1 Cyclorhapha; 4.5.2 Brachycera; 4.5.3 Nematocera; 4.6 Recognition of flies of veterinary importance; 4.7 Cyclorhapha; Guide to families of adult Diptera of veterinary importance; 4.7.1 Muscidae; 4.7.2 Fanniidae; 4.7.3 Hippoboscidae (keds and forest flies)

Sommario/riassunto

Ectoparasites are of growing significance in modern veterinary medicine and a detailed understanding of the biology of these parasites is fundamental to their appropriate treatment and control. The authors of this book have therefore provided a complete overview of the biology, and behaviour of arthropod ectoparasites along with the pathology and treatment of diseases in livestock and companion animals of temperate habitats. This is the only up-to-date book available written specifically for practitioners and students of veterinary medicine, animal husbandry and applied animal sciences.