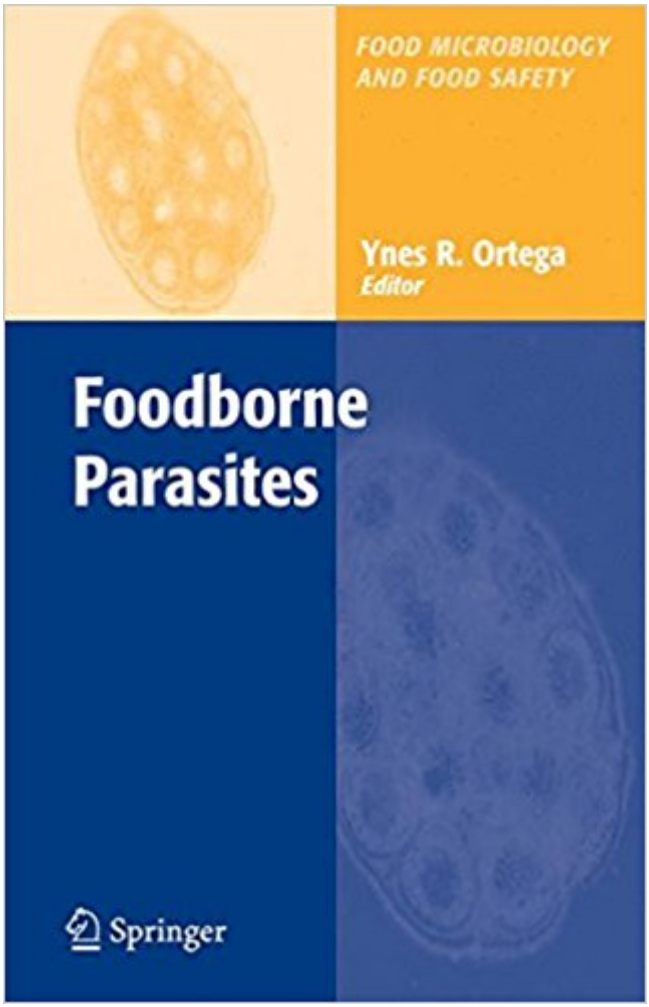
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Foodborne Parasites (Food Microbiology And Food Safety)



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Synopsis

This book examines the two major parasite groups that are transmitted via water or foods: the single-celled protozoa, and the helminths: cestodes (tapeworms), nematodes (round worms), and trematodes (flukes). Each chapter covers the biology, mechanisms of pathogenesis, epidemiology, treatment, and inactivation of these parasites. This important new text offers a better understanding of the biology and control of parasitic infections necessary to reduce or eliminate future outbreaks in the U.S. and elsewhere.

Book Information

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Microbiologists are being challenged as foodborne outbreaks are increasingly being observed worldwide. Most of these outbreaks are associated with viral and bacterial pathogens such as Campylobacter, Salmonella, and lately Escherichia coli O157:H7, which emerged in the 1990s. Although parasites have been evolving with Man since antiquity, the control and eradication of these diseases are still far from being achieved. They are more frequently being reported in the literature as causative agents of food and waterborne illnesses. Foodborne Parasites examines the two major parasite groups that are transmitted via water or foods: the protozoa, which are single celled organisms, and the helminths. The helminths are classified in three sub groups: cestodes (tapeworms), nematodes (round worms), and trematodes (flukes). To better understand their significance, each chapter covers the biology, mechanisms of pathogenesis, epidemiology,

treatment, and inactivation of these parasites. This important new text is crucial to a better understanding of the biology and control of parasitic infections necessary to reduce and eliminate future outbreaks in the U.S. and elsewhere.

Ynes R. Ortega is Associate Professor in Food Parasitology at the Center for Food Safety, University of Georgia. Her research focuses on detection, prevention and control of foodborne parasites. Dr. Ortega participated in the FAO/WHO expert team addressing prioritization of foodborne parasites for risk management. She is a science advisor for FDA-SRL, member of the Editorial Board of the Journal for Food Protection and the SS-AOAC Executive Committee.Charles R. Sterling is Professor Emeritus and past Director of the School of Animal and Comparative Biomedical Sciences, University of Arizona. His research has primarily focused on intestinal protozoan parasites of humans including Cryptosporidium, Giardia and Cyclospora. His lab developed immunodiagnostic assays to detect Cryptosporidium and Giardia infections. He has taught numerous courses of Parasitology. --This text refers to an alternate Hardcover edition.

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