

# Contents

<b>1</b>	<b>Introduction and Overview</b>	<b>1</b>
	Patricia G. Parker	
<b>Part I Colonization of Islands by Hosts and Parasites</b>		
<b>2</b>	<b>Colonization of Galápagos Birds: Identifying the Closest Relative and Estimating Colonization</b>	<b>15</b>
	Eloisa H.R. Sari and Jennifer L. Bollmer	
<b>3</b>	<b>Colonization of Parasites and Vectors</b>	<b>45</b>
	Arnaud Bataille, Iris I. Levin, and Eloisa H.R. Sari	
<b>Part II Island Syndromes</b>		
<b>4</b>	<b>Genetic Diversity in Endemic Galápagos Birds: Patterns and Implications</b>	<b>83</b>
	Jennifer L. Bollmer and Benjamin D. Nims	
<b>5</b>	<b>From the Vagile to the Sedentary: Disease Implications and New Host Relationships on Islands</b>	<b>113</b>
	David Cameron Duffy and F. Hernan Vargas	
<b>Part III Host-Switching</b>		
<b>6</b>	<b>Host-Switching: How It Starts</b>	<b>139</b>
	Maricruz Jaramillo and José Luis Rivera-Parra	
<b>7</b>	<b>New Host-Parasite Relationships by Host-Switching</b>	<b>157</b>
	Diego Santiago-Alarcon and Jane Merkel	
<b>Part IV The Spread of Pathogens</b>		
<b>8</b>	<b>Movement Among Islands by Host, Vector, or Parasite</b>	<b>181</b>
	Iris I. Levin and Arnaud Bataille	

<b>9</b>	<b>Invasion of an Avian Nest Parasite, <i>Philornis downsi</i>, to the Galapagos Islands: Colonization History, Adaptations to Novel Ecosystems, and Conservation Challenges</b> .....	<b>213</b>
	Birgit Fessl, George E. Heimpel, and Charlotte E. Causton	
<b>Part V Challenges for Management</b>		
<b>10</b>	<b>Domestic and Peridomestic Animals in Galapagos: Health Policies and Practices</b> .....	<b>269</b>
	Luis R. Padilla, Nicole Gottdenker, Sharon L. Deem, and Marilyn Cruz	
<b>11</b>	<b>Filling the Gaps: Improving Sampling and Analysis of Disease Surveillance Data in Galápagos</b> .....	<b>293</b>
	Kathryn P. Huyvaert	
<b>12</b>	<b>Collaboration and the Politics of Conservation</b> .....	<b>305</b>
	Patricia G. Parker, R. Eric Miller, and Simon J. Goodman	
	<b>Index</b> .....	<b>325</b>

Disease Ecology

Galapagos Birds and their Parasites

Parker, P.G. (Ed.)

2018, XII, 330 p. 56 illus., 43 illus. in color., Hardcover

ISBN: 978-3-319-65908-4