

Contents

1	Brood Parasitism in Birds: A Coevolutionary Point of View	1
	Manuel Soler	
Part I Coevolution and Diversification of Interspecific Brood Parasites		
2	Factors Affecting the Rates of Coevolution Between Obligate Avian Brood Parasites and Their Hosts	23
	Virginia E. Abernathy and Naomi E. Langmore	
3	Evolution of Avian Brood Parasitism and Phylogenetic History of Brood Parasites	43
	Oliver Krüger and Martina Pauli	
4	A Taxonomic Review of Obligate and Facultative Interspecific Avian Brood Parasitism	61
	Clive F. Mann	
Part II Conspecific Brood Parasitism		
5	Conspecific Brood Parasitism Among Birds: The Effects of Phylogeny, Mode of Reproduction and Geographic Distribution	95
	Yoram Yom-Tov and Eli Geffen	
6	Why <i>Do</i> Birds Lay Eggs in Conspecifics' Nests?	105
	Bruce E. Lyon and John M. Eadie	
7	Evolution and Maintenance of Egg Rejection by Hosts as Adaptation Against Conspecific Brood Parasites: An Individual-Based Model	125
	Fugo Takasu	
Part III Brood Parasites as Study Models		
8	Interspecific Avian Brood Parasitism as a Model System for Exploring Ecological and Evolutionary Questions Related to Habitat Selection	145
	Juan J. Soler	

- 9 The Brown-Headed Cowbird: A Model Species for Testing Novel Research Questions in Animal Ecology, Evolution, and Behavior** 161
Brian D. Peer, James W. Rivers, Loren Merrill, Scott K. Robinson, and Stephen I. Rothstein
- 10 Cuckoos as Indicators of Biodiversity** 189
Anders Pape Møller, Federico Morelli, and Piotr Tryjanowski
- 11 Hippocampus and Spatial Memory in Brood Parasitic Cowbirds** 203
Mélanie F. Guigueno and David F. Sherry
- 12 Brood Parasitism and Cooperative Breeding: Seeking an Evolutionary Link** 219
Vittorio Baglione and Daniela Canestrari
- Part IV Host Use by Brood Parasites**
- 13 Host Resource Partitioning Among Sympatric Molothrine Generalist Brood Parasites** 235
Jameson F. Chace and Alexander Cruz
- 14 High Diversity of Brood Parasites in China and Coevolution Between Cuckoos and Their Hosts** 251
Wei Liang, Canchao Yang, and Anders Pape Møller
- Part V Coevolutionary Interactions at Any Stage**
- 15 Brood Parasites as Predators: Farming and Mafia Strategies** 271
M. Soler, T. Pérez-Contreras, and J. J. Soler
- 16 Cuckoo-Host Coevolutionary Interactions Across All Breeding Stages: Unusual Ecological Setting of a Cavity-Nesting Host** 287
Tomáš Grim and Jarkko Rutila
- Part VI Coevolutionary Interactions at the Prelaying Stage**
- 17 Evidence of Adaptations and Counter-Adaptations Before the Parasite Lays Its Egg: The Frontline of the Arms Race** 307
William E. Feeney
- 18 Parasitic Behaviour of Interspecific Brood Parasitic Females** 325
Juan C. Reboreda, Vanina D. Fiorini, María C. De Mársico, Ros Gloag, and Romina C. Scardamaglia
- Part VII Coevolutionary Interactions at the Laying Stage**
- 19 Egg Color Polymorphism in Brood Parasites and Their Hosts: Adaptation and Evolution** 345
Canchao Yang, Wei Liang, and Anders Pape Møller

-
- 20 **Adaptations of Brood Parasitic Eggs** 363
Bård G. Stokke, Frode Fossøy, Eivin Røskoft, and Arne Moksnes
- 21 **Implications of Nest Sanitation in the Evolution of Egg Rejection** 385
Mélanie F. Guigueno and Spencer G. Sealy
- 22 **Egg Characteristics Affecting Egg Rejection** 401
Marcel Honza and Michael I. Cherry
- 23 **Anti-brood Parasite Defences: The Role of Individual and Social Learning** 421
Daniela Campobello, Spencer G. Sealy, and Justin A. Welbergen
- 24 **Cognitive Decision Rules for Egg Rejection** 437
Thomas Manna, Csaba Moskát, and Mark E. Hauber
- 25 **Phenotypic Plasticity in Egg Rejection: Evidence and Evolutionary Consequences** 449
Francisco Ruiz-Raya and Manuel Soler
- Part VIII Coevolutionary Interactions at the Nestling and Fledgling Stages**
- 26 **The Evolution of Nest Sharing and Nest Mate Killing Strategies in Brood Parasites** 475
Csaba Moskát, Mark E. Hauber, and Matthew I. M. Louder
- 27 **Begging Behaviour, Food Delivery and Food Acquisition in Nests with Brood Parasitic Nestlings** 493
Manuel Soler
- 28 **Begging Call Mimicry by Brood Parasite Nestlings: Adaptation, Manipulation and Development** 517
Gabriel A. Jamie and Rebecca M. Kilner
- 29 **Host Defences Against Brood Parasite Nestlings: Theoretical Expectations and Empirical Evidence** 539
Tomáš Grim
- 30 **Parasite Adaptations During the Nestling and Fledgling Stages** 557
María C. De Mársico, Vanina D. Fiorini, Diego T. Tuero, Ros Gloag, Cynthia A. Ursino, and Juan C. Reboreda