

13 Fitness landscapes, mortality schedules, and mating systems	167
Bradley R. Anholt	
14 Testing hypotheses about parasite-mediated selection using odonate hosts	175
Mark R. Forbes and Tonia Robb	
15 Cryptic female choice and sexual conflict	189
Alex Córdoba-Aguilar and Adolfo Cordero-Rivera	
16 Territoriality in odonates	203
Jukka Suhonen, Markus J. Rantala, and Johanna Honkavaara	
17 The evolution of sex-limited colour polymorphism	219
Hans Van Gossum, Tom N. Sherratt, and Adolfo Cordero-Rivera	
18 Sexual size dimorphism: patterns and processes	231
Martín Alejandro Serrano-Meneses, Alex Córdoba-Aguilar, and Tamás Székely	
19 Dragonfly flight performance: a model system for biomechanics, physiological genetics, and animal competitive behaviour	249
James H. Marden	
20 Evolution, diversification, and mechanics of dragonfly wings	261
Robin J. Wootton and David J.S. Newman	
Glossary	275
Index	287

Contents

Contributors	Alex Córdoba-Aguilar	1
1 Introduction	Alex Córdoba-Aguilar	1
Section I Studies in ecology		5
2 Mark-recapture studies and demography	Adolfo Cordero-Rivera and Robby Stoks	7
3 Structure and dynamics of odonate communities: assessing habitat, responding to risk, and enabling reproduction	Patrick W. Crumrine, Paul V. Switzer, and Philip H. Crowley	21
4 Life-history plasticity under time stress in damselfly larvae	Robby Stoks, Frank Johansson, and Marjan De Block	39
5 Ecological factors limiting the distributions and abundances of Odonata	Mark A. McPeek	51
6 Migration in Odonata: a case study of <i>Anax junius</i>	Michael L. May and John H. Matthews	63
7 The use of dragonflies in the assessment and monitoring of aquatic habitats	Beat Oertli	79
8 Dragonflies as focal organisms in contemporary conservation biology	Michael J. Samways	97
9 Valuing dragonflies as service providers	John P. Simaika and Michael J. Samways	109
Section II Studies in evolution		125
10 Evolution of morphological defences	Frank Johansson and Dirk Johannes Mikolajewski	127
11 Interspecific interactions and premating reproductive isolation	Katja Tynkkynen, Janne S. Kotiaho, and Erik I. Svensson	139
12 Lifetime reproductive success and sexual selection theory	Walter D. Koenig	153