

Contents

Contributors

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

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