

Contents

<i>List of contributors</i>	<i>page xi</i>
<i>Foreword</i>	xiii
by Bert Hölldobler	
<i>Acknowledgements</i>	xv
1. Introducing wood ants: evolution, phylogeny, identification and distribution	1
Jenni A. Stockan, Elva J. H. Robinson, James C. Trager, Izumi Yao and Bernhard Seifert	
2. Wood ant reproductive biology and social systems	37
Arnaud Maeder, Daniel Cherix, Christian Bernasconi, Anne Freitag and Samuel Ellis	
3. Population genetics of wood ants	51
Pekka Pamilo, Perttu Seppä and Heikki Helanterä	
4. Where and why? Wood ant population ecology	81
Anita C. Risch, Samuel Ellis and Hayley Wiswell	
5. Colony and species recognition among the <i>Formica</i> ants	106
Stephen J. Martin	
6. Interspecific competition and coexistence between wood ants	123
Therese Johansson and Heloise Gibb	
7. Wood ant foraging and mutualism with aphids	145
Timo Domisch, Anita C. Risch and Elva J. H. Robinson	

8. Wood ants and their interaction with other organisms	177
Elva J. H. Robinson, Jenni A. Stockan and Glenn R. Iason	
9. Contribution of wood ants to nutrient cycling and ecosystem function	207
Jan Frouz, Veronika Jílková and Jouni Sorvari	
10. Diversity, ecology and conservation of wood ants in North America	221
James C. Trager	
11. Sampling and monitoring wood ants	238
Anne Freitag, Jenni A. Stockan, Christian Bernasconi, Arnaud Maeder and Daniel Cherix	
12. Threats, conservation and management	264
Jouni Sorvari	
13. Future directions for wood ant ecology and conservation	287
Elva J. H. Robinson and Jenni A. Stockan	
<i>Index</i>	300