



---

## Contents

Foreword by Thomas D. Seeley ix

Preface xiii

- 1 To Be a Honey Bee 1
- 2 Introduction to the Species 13
- 3 Evolution 36
- 4 Speciation and Biogeography 52
- 5 Dance Communication and Foraging 65
- 6 Reproduction, Swarming, and Migration 90
- 7 Worker Sterility, Kin Selection, and Polyandry 118
- 8 Nesting Biology and Nest Defense 148
- 9 Parasites, Pathogens, Predators, and a Plant 180
- 10 Human Interactions 209
- 11 Conservation 231
- 12 Concluding Remarks 249

Appendix A. A Simple Key to the Workers of the Genus *Apis* 259

Appendix B. A Simple Key to the Parasitic Mesostigmatan Mites of  
Asian Honey Bees 260

Appendix C. The Names of the Honey Bee Species in Asian Languages 262

Glossary 265

References 273

Index 329

