

CONTENTS

<i>List of Plates</i>	vii
<i>Foreword</i>	ix
<i>Acknowledgments</i>	xiii
1 Introduction	1
2 Natural History, Systematics, and Phylogenetics	4
3 Development	23
4 Anatomy and Physiology	47
5 Genetics and Genomics	76
6 Neurobiology	90
7 Neuroethology and Cognitive Science	116
8 Reproduction	137
9 Evolution	159
10 Life History, Ecology, and Nesting Biology	182
11 The Honey Bee Colony Is a Superorganism	196
12 Division of Labor	204
13 Communication, Labor Allocation, and Collective Decision Making	226
14 Chemical Ecology	250

15	Foraging	272
16	Tropical Honey Bees	290
17	Immunity, Parasites, Pests, and Pathogens	301
18	Detoxification and Pesticides	322
19	Honey Bees as Managed Pollinators	338
	Literature Cited	353
	Index	477

1	Introduction	1
2	Evolutionary Systematics and Phylogenetics	2
3	Development	3
4	Genetics and Molecular Biology	4
5	Genetics and Genomics	5
6	Neurobiology	6
7	Neurophysiology and Cognitive Science	7
8	Reproduction	8
9	Evolution	9
10	The History, Ecology, and Nesting Biology of Honey Bees	10
11	The Honey Bee Colony as a Superorganism	11
12	Division of Labor	12
13	Communication, Labor Allocation, and	13
14	Collective Decision Making	14

