Contents

	ACKNOWLEDGMENTS	ix
1.	Introduction	1
2.	Bee Phylogeny, Bee Diversity, and the Distinction between Solitary and Social Bees	6
3.	The Solitary Bee Life Cycle	37
4.	Alternative Male Mating Tactics: The Race to Be First and the Race to Be Last	70
5.	The Surprising Utility of Males	93
6.	Nest Architecture and Brood-Cell Construction	104
7.	The Tools of the Trade: Floral Rewards and How Bees Harvest Them	146
8.	Foraging and Provisioning Behavior	187
9.	The Microcosm of the Brood Cell: A Bestiary of In-Nest Mutualists	224
10.	Brood-Parasitic (Cuckoo) Bees	240
11.	Non-Bee Parasites and Predators	264
12.	Bees and Plants: Love Story, Arms Race, or Something in Between?	289
13.	Solitary Bees and Agricultural Pollination	318
14.	Threats to Solitary Bees and Their Biological Conservation	341
15.	Epilogue: The Scala Naturae	379
	LITERATURE CITED	385
	SUBJECT INDEX	443
	TAXONOMIC INDEX	456