

# Contents

<b>1</b>	<b>Introduction to the Biology of Rove Beetles . . . . .</b>	<b>1</b>
	Ulrich Irmler, Jan Klimaszewski, and Oliver Betz	
<b>Part I Phylogeny, Systematics and Zoogeography</b>		
<b>2</b>	<b>Phylogeny of the Family Staphylinidae Based on Molecular Data: A Review . . . . .</b>	<b>7</b>
	Vladimir I. Gusarov	
<b>3</b>	<b>A Review of the Fossil History of Staphylinoidea . . . . .</b>	<b>27</b>
	Stylianos Chatzimanolis	
<b>4</b>	<b>Biodiversity and Geographic Patterns of Neotropical Staphylinidae . . . . .</b>	<b>47</b>
	Ulrich Irmler and Angelico Asenjo	
<b>5</b>	<b>Canada's Adventive Rove Beetle (Coleoptera, Staphylinidae) Fauna: A Long-Term Case Study on the Detection, Origin, Introduction Pathways, and Dynamic Distribution of Non-native Beetles . . . . .</b>	<b>65</b>
	Jan Klimaszewski and Adam J. Brunke	
<b>6</b>	<b>Systematics, Natural History, and Evolution of the Saw-Lipped Rove Beetles (Euaesthetinae): Progress and Prospects for Future Research . . . . .</b>	<b>81</b>
	Dave J. Clarke	
<b>Part II Ecology, Conservation and Biotic Interactions</b>		
<b>7</b>	<b>Effect of Environmental Conditions on Distribution Patterns of Rove Beetles . . . . .</b>	<b>117</b>
	Ulrich Irmler and Erhard Lipkow	
<b>8</b>	<b>A Review of Nearctic Rove Beetles (Staphylinidae) Specialized on the Burrows and Nests of Vertebrates . . . . .</b>	<b>145</b>
	Adam J. Brunke and Joel Buffam	

---

<b>9</b>	<b>Rove Beetles (Coleoptera, Staphylinidae) as Bioindicators of Change in Boreal Forests and Their Biological Control Services in Agroecosystems: Canadian Case Studies . . . . .</b>	161
	Jan Klimaszewski, Adam J. Brunke, Timothy T. Work, and Lisa Venier	
<b>10</b>	<b>A Worldwide Checklist of Parasites of Staphylinidae . . . . .</b>	183
	J. Howard Frank	
<b>Part III Biology, Reproduction and Development</b>		
<b>11</b>	<b>The Biology of Steninae . . . . .</b>	229
	Oliver Betz, Lars Koerner, and Konrad Dettner	
<b>12</b>	<b>Biology of Acarophagous Scydmaeninae . . . . .</b>	285
	Paweł Jałoszyński	
<b>13</b>	<b>Structures and Functions of the Endophallic Copulatory Tube in the Family Staphylinidae (Insecta: Coleoptera) . . . . .</b>	299
	Shun-Ichiro Naomi	
<b>14</b>	<b>Morphological Diversity of Immature Scydmaeninae . . . . .</b>	321
	Paweł Jałoszyński	
<b>Subject Index . . . . .</b>		335
<b>Taxonomic Index (Including Common Names) . . . . .</b>		345