

# Contents

<b>1</b>	<b>Introduction to Green City Idea and Ideal</b> . . . . .	<b>1</b>
	Chi Yung Jim and Puay Yok Tan	
<b>Part I Urban Greening as a Component of Urban Development</b>		
<b>2</b>	<b>Perspectives on Greening of Cities Through an Ecological Lens</b> . . . . .	<b>15</b>
	Puay Yok Tan	
<b>3</b>	<b>Imperatives for Greening Cities: A Historical Perspective</b> . . . . .	<b>41</b>
	Yuanqiu Feng and Puay Yok Tan	
<b>Part II The Functions of Urban Green Spaces</b>		
<b>4</b>	<b>Urban Greening and Microclimate Modification</b> . . . . .	<b>73</b>
	Evyatar Erell	
<b>5</b>	<b>Urban Greening and Its Role in Fostering Human Well-Being</b> . . . . .	<b>95</b>
	Christine A. Vogt, Cybil Kho and Angelia Sia	
<b>6</b>	<b>Urban Community Gardens as Multimodal Social Spaces</b> . . . . .	<b>113</b>
	Jeffrey Hou	
<b>7</b>	<b>Urban Green and Biodiversity</b> . . . . .	<b>131</b>
	Peter Werner and John G. Kelcey	
<b>8</b>	<b>Urban Agriculture as a Productive Green Infrastructure for Environmental and Social Well-Being</b> . . . . .	<b>155</b>
	Brenda B. Lin, Stacy M. Philpott, Shalene Jha and Heidi Liere	
<b>9</b>	<b>Urban Nature and Urban Ecosystem Services</b> . . . . .	<b>181</b>
	Wendy Y. Chen	

**Part III The Forms of Urban Green Spaces**

**10 Blue-Green Infrastructure: New Frontier for Sustainable Urban Stormwater Management** . . . . . 203  
 Kuei-Hsien Liao, Shinuo Deng and Puay Yok Tan

**11 Highrise Greenery: Ancient Invention with New Lease of Life** . . . . 227  
 Chi Yung Jim

**12 Urban Ecological Networks for Biodiversity Conservation in Cities** . . . . . 251  
 Abdul Rahim Hamid and Puay Yok Tan

**13 Urban Heritage Trees: Natural-Cultural Significance Informing Management and Conservation** . . . . . 279  
 Chi Yung Jim

**14 Conservation and Creation of Urban Woodlands** . . . . . 307  
 Chi Yung Jim

**15 Urban Waterfront Revivals of the Future** . . . . . 331  
 Swinal Samant and Robert Brears

**Part IV Conclusion**

**16 Concluding Remarks** . . . . . 359  
 Puay Yok Tan and Chi Yung Jim

**Index** . . . . . 367