

---

# Contents

---

<i>List of contributors</i>	ix
1 The <i>Handbook on the Sustainable Supply Chain</i> : an introduction <i>Joseph Sarkis</i>	1
2 Sustainability in the globalization era <i>Sherwat Elwan Ibrahim</i>	11
3 The circular economy and green supply chain management <i>Junjun Liu, Qinghua Zhu and Yunting Feng</i>	27
4 Diffusion of SSCM: where are we now and where are we going? <i>Liliane Carmagnac, Valentina Carbone and Valérie Moatti</i>	44
5 The link between operations strategy and sustainable supply chain management <i>Melek Akın Ateş</i>	63
6 Collaboration and coordination in sustainable supply chains <i>Amy Z. Zeng and Jing Hou</i>	85
7 Fundamentals of human resource management for environmentally sustainable supply chains <i>Charbel Jose Chiappetta Jabbour and Ana Beatriz Lopes de Sousa Jabbour</i>	105
8 Building the business case for sustainable supply chains <i>Laura Meade and Adrien Presley</i>	119
9 Sustainable supplier selection: a process view <i>Jafar Rezaei</i>	136
10 The interplay of green marketing and sustainable supply chain management <i>Jing Dai, Hing Kai Chan, Jia Jia Lim and Fangli Zeng</i>	148
11 Consumers' role in the green supply chain <i>Christopher Groening and Qingyun Zhu</i>	171
12 Sustainable service supply chains <i>Helen S. Y. Chen, Kee-hung Lai and T.C.E. Cheng</i>	185
13 Ambidexterity and sustainable supply chains <i>Mehmet G. Yalcin and Dara G. Schniederjans</i>	207
14 Reverse supply chains and product design <i>Ammar Y. Alqahtani, Aditi D. Joshi and Surendra M. Gupta</i>	221

15	Sustainable supply chain design <i>Mohsen Varsei</i>	242
16	Lean and green supply chains <i>Susana G. Azevedo and Helena Carvalho</i>	261
17	Mapping lean manufacturing practices and green manufacturing practices in supply chains <i>Diego A. Vazquez-Brust and Lucila M.S. Campos</i>	291
18	The critical relationship: sustainability and performance measurement and management <i>Robert Sroufe and Steven A. Melnyk</i>	310
19	Performance measurement in sustainable supply chain management: linking research and practice <i>Philip Beske-Janssen, Stefan Schaltegger and Sonja Liedke</i>	331
20	Environmental or sustainable supply chain performance measurement standards and certifications <i>David B. Grant and Sarah Shaw</i>	357
21	Sustainable supply chain management and carbon emissions <i>Shadi Goodarzi, Behnam Fahimnia and Joseph Sarkis</i>	377
22	Sustainability in logistics <i>Erika Marsillac and Sarah Hudson</i>	389
23	Transportation and sustainable supply chains <i>Amulya Gurtu, Cory Searcy and Mohamad Y. Jaber</i>	410
24	Big data application in sustainable supply chains: a transportation industry case <i>Jiayao Hu, Ming K. Lim, Kim Hua Tan and Ming-Lang Tseng</i>	429
25	Sustainable supply chains and energy: where 'planet' meets 'profit' <i>Árni Halldórsson, Caroline Sundgren and Jessica Wehner</i>	444
26	Sustainable supply chains and social networks: an overview <i>Wendy L. Tate and Lisa M. Ellram</i>	464
27	A framework for managing social issues in supply chains <i>Sadaat Ali Yawar and Stefan Seuring</i>	479
28	Sustainable supplier management in a base-of-the-pyramid environment <i>Carolin Brix-Asala, Arne Vilmar, Raja Usman Khalid and Stefan Seuring</i>	490
29	Sustainability in humanitarian supply chains <i>Ira Haavisto and Gyöngyi Kovács</i>	500
30	Sustainable supply chains and regulatory policy <i>Nicole Darnall, Eric W. Welch and Seong K. Cho</i>	513

31	Multi-tier sustainable supply chain management <i>Joerg S. Hofstetter and Jörg H. Grimm</i>	526
32	Green supplier development: a review and analysis <i>Chunguang Bai and Joseph Sarkis</i>	542
33	The role of social enterprises in sustainable supply chains <i>Ales Jug</i>	557
	<i>Index</i>	571

