Table of Contents

Preface ..............................................................................................................................xii

Section 1
Introduction to Sustainable Supply Chain Management

Chapter 1
Sustainable Supply Chains .............................................................................................. 1
   Amulya Gurtu, University of Wisconsin – Green Bay, USA
   Cory Searcy, Ryerson University, Canada
   Mohamad Y. Jaber, Ryerson University, Canada

Chapter 2
An Introduction to Sustainable Supply Chain Management and Business Implications .......................................................................................................................... 27
   Gowri Vijayan, Universiti Putra Malaysia, Malaysia
   Nitty Hirawaty Kamarulzaman, Universiti Putra Malaysia, Malaysia

Section 2
Measuring the Performance of a Sustainable Supply Chain

Chapter 3
The Development and Analysis of Environmentally Responsible Supply Chain Models .................................................................................................................. 52
   Ehab Bazan, Ryerson University, Canada
   Mohamad Y. Jaber, Ryerson University, Canada

Chapter 4
Assessing the Green Supply Chain Management for the United Arab Emirates Construction Industry ............................................................................................................ 83
   Sreejith Balasubramanian, University of Wollongong – Dubai, UAE
   Balan Sundarakani, University of Wollongong – Dubai, UAE
Chapter 5
A Waste Elimination Process: An Approach for Lean and Sustainable Manufacturing Systems.................................................................111

Sherif Mostafa, University of South Australia, Australia
Jantanee Dumrak, University of South Australia, Australia

Chapter 6
Green Supply Chain Management Model for Sustainable Manufacturing Practices ..................................................................................153

Surajit Bag, Tega Industries South Africa Pty Ltd, South Africa
Neeraj Anand, University of Petroleum and Energy Studies, India
Krishan Kumar Pandey, O.P. Jindal Global University, India

Section 3
Future of Sustainable Supply Chains

Chapter 7
Recent Developments in Green Supply Chain Management: Sourcing and Logistics ..................................................................................191

Jay R. Brown, Loyola University, USA
Maxim A. Bushuev, Morgan State University, USA
Andrey A. Kretinin, Kent State University, USA
Alfred L. Guiffrida, Kent State University, USA

Chapter 8
Integrated Sustainable Supply Chain Management: Current Practices and Future Direction .............................................................................218

Geevaneswary Saththasivam, Universiti Sains Malaysia, Malaysia
Yudi Fernando, Universiti Sains Malaysia, Malaysia

Chapter 9
Advocating Sustainable Supply Chain Management and Sustainability in Global Supply Chain .............................................................................234

Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand

Compilation of References ........................................................................................................................................................................272

About the Contributors ................................................................................................................................................................................321

Index ..........................................................................................................................................................................................................328