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System Dynamics Modeling for Green Supply Chain Management

Guest Editor:

Dr. Susana Garrido Azevedo

CeBER, Faculty of Economics,
Universidade de Coimbra, Av
Dias da Silva 165, 3004-512
Coimbra, Portugal

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Message from the Guest Editor

It is important to address environmental issues, together with SCM, in green supply chain management (GSCM). There is also a growing need for the integration of green practices into SCM research, not only to decrease the negative environmental impact of industrial development, but also to establish a competitive advantage through value creation.

This Special Issue explores research perspectives and scientific approaches to identifying a set of System Dynamics Modeling practices and processes to achieve more competitive or efficient GSCM. The main research topics include:

- Closed-loop supply chains;
- SCM with reverse logistics flows;
- SCM with recycling processes;
- Green supply chain modeling;
- Inventory management and green supply chains;
- Information visibility and green supply chains;
- Product diversity and the environment;
- The use of parts recovery and material recycling for SC value creation;
- Purchasing, manufacturing, distribution, and green supply chains;
- Product–service systems and environment.



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Special Issue



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Message from the Editor-in-Chief

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MDPI, St. Alban-Anlage 66
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