

Preface

Nowadays, logistics and supply chain management are influenced by the sustainable policy challenge. Managers and scientists search for innovative approaches to eco-friendly organization and coordination of the logistics processes and the supply chain configuration, which allow to pollute less.

In order to do this, companies have to fix their common environmental objectives, sharing technical information about products, planning, and processes or starting common programs to reduce adverse impacts on the environment. In order to meet the sustainability goals the following areas have to be taken into consideration:

- green supplier selection,
- collection of used products and their reuse,
- reduction of hazardous substances,
- optimal location of logistics and manufacturing facilities for minimizing unnecessary transport,
- reduction of CO₂ emission.

The book entitled “Logistics Operations, Supply Chain Management and Sustainability” aims to present state-of-the art researches and practical applications. In this book the focus is placed on a multidisciplinary approach. It presents viewpoints of the academic and the industry personnel on the challenges for implementation of sustainable policies in logistics. Authors present in the individual chapters the result of the theoretical and empirical research related to the following topics:

- Supply Chain Management and Sustainability,
- Reverse Logistics and Environmental Sustainability,
- Modeling and Optimization of the Manufacturing Operations,
- Optimization of the Location Problems, the Inventory Management, and the Vehicle Routing Problems.

This book includes research contributions of geographically dispersed authors from Europe, North America, Africa, and Asia. It is a clear indication of a growing interest in sustainable development in logistics. The high scientific quality of the

chapters was assured by a rigorous blind review process implemented by leading researchers.

This monograph provides a composition of theoretical trends and practical applications. The advantage of this book is presentation of country-specific applications from a number of different countries around the world.

I would like to thank all the authors who responded to the call for chapters and submitted manuscripts to this volume. The International Congress on Logistics and SCM Systems has for 10 years provided an international forum for leading researchers, educators, and practitioners to discuss ideas, exchange experiences on the latest development, and seek opportunities for collaboration on the latest implementation and enhancement of sustainable logistics and SCM systems in the dynamic market. This book presents selected papers from authors who attend the 9th International Congress on Logistics and SCM Systems (ICLS 2014). Although not all of the received chapters appear in this book, the efforts spent and the work done for this book are much appreciated.

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