

António Carrizo Moreira •
Luís Miguel D. F. Ferreira •
Ricardo A. Zimmermann
Editors

Innovation and Supply Chain Management

Relationship, Collaboration and Strategies

 Springer

Contents

Part I Innovation and Supply Chain Management

The Intellectual Structure of the Relationship Between Innovation and Supply Chain Management	3
Ricardo A. Zimmermann, Luís Miguel D. F. Ferreira, and António Carrizo Moreira	

Part II The Importance of Supplier-Client Relationships

Coordination of New Product Development and Supply Chain Management	33
Per Hilletoft, Ewout Reitsma, and David Eriksson	
An Investigation of Contextual Influences on Innovation in Complex Projects	51
Lone Kavin and Ram Narasimhan	
Necessary Governing Practices for the Success (and Failure) of Client-Supplier Innovation Cooperation	79
Romaric Servajean-Hilst	
Collaborative New Product Development in SMEs and Large Industrial Firms: Relationships Upstream and Downstream in the Supply Chain	101
Filipe Silva and António Carrizo Moreira	
It's Time to Include Suppliers in the Product Innovation Charter (PIC)	123
Subroto Roy	
Mission Impossible: How to Make Early Supplier Involvement Work in New Product Development?	141
Arjan J. van Weele	

Part III Strategies and Implications for Innovation

**Purchasing Involvement in Discontinuous Innovation:
An Emerging Research Agenda** 165

Richard Calvi, Thomas Johnsen, and Katia Picaud Bello

**National Culture as an Antecedent for Information Sharing
in Supply Chains: A Study of Manufacturing Companies
in OECD Countries** 187

Ruggero Golini, Andrea Mazzoleni, and Matteo Kalchschmidt

**Risk Allocation, Supplier Development and Product Innovation
in Automotive Supply Chains: A Study of Nissan Europe** 213

Arnaldo Camuffo

Does Supply Chain Innovation Pay Off? 237

Jan Stentoft and Christopher Rajkumar

Part IV Information and Technology

Technological Innovations: Impacts on Supply Chains 259

Cheryl Druehl, Janice Carrillo, and Juliana Hsuan

**The Role of Informational and Human Resource Capabilities
for Enabling Diffusion of Big Data and Predictive Analytics
and Ensuing Performance** 283

Deepa Mishra, Zongwei Luo, and Benjamin T. Hazen

Adoption of Industry 4.0 Technologies in Supply Chains 303

Gustavo Dalmarco and Ana Cristina Barros

**Advanced Supply Chains: Visibility, Blockchain and Human
Behaviour** 321

Alexander Kharlamov and Glenn Parry