

A Study on Recent Trends of Environmentally Sustainable Urban Supply Chain and Transport Solutions on E-Commerce

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Abstract: *The expansion of e-commerce has led to an increase in urban freight transportation, which has resulted in negative externalities such as noise, pollution, congestion, habitat loss, and emissions. It is evident that efforts are being made to make urban last-mile (LM) deliveries more environmentally friendly; However, there is a lack of a synthesis of the most recent research trends and solutions in the relevant literature. This paper identifies trends and research gaps in the field of green LM deliveries on the urban e-commerce market by conducting a literature review using the SRL methodology. In addition, the e-commerce market's current research topics and solutions that improve its environmental sustainability are presented. The results provide a precise and comprehensive summary of the research on green LM e-commerce deliveries in cities, highlight areas of research that require additional investigation, and highlight current and emerging research interests worldwide. In the current research, ICT and smart solutions, customer behavior, and performance evaluation appear to be understudied. Practically, it is a source of information and guidelines about the current developments in the solution for last-mile e-commerce deliveries in urban areas, which may assist local governments, freight operators, and other stakeholders in last-mile logistics in increasing their sustainability.*

Keywords: environmental conservation; e-commerce; environment; last-mile shipping; metropolitan delivery; a green final mile; systematic review of the literature

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