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An Investigation of the Environmentally Sustainable Urban Supply Chain and the Latest Developments in Transportation Solutions for E-Commerce

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Abstract: *The proliferation of e-commerce has led to an increase in urban freight traffic, resulting in undesirable consequences such as noise, pollution, congestion, habitat loss, and emissions. Efforts are being made to make urban last-mile (LM) deliveries more environmentally friendly. However, there is a lack of integration between current research trends and solutions in the relevant literature. This report identifies patterns and research gaps in the field of environmentally friendly last-mile deliveries in the urban e-commerce industry by conducting a literature review using the Systematic Review and Meta-Analysis (SRL) methodology. Similarly, the online business market presents its flow study findings and strategies that enhance its ecological sustainability. The conclusions provide a precise and comprehensive summary of the study on environmentally friendly last-mile e-commerce deliveries in cities. They identify areas of research that need further investigation and highlight current and emerging research interests worldwide. The areas of momentum research, ICT and innovative solutions, customer behavior, and performance evaluation appear to have received insufficient attention in terms of study and analysis. Essentially, it is a comprehensive source of information and guidelines regarding the latest advancements in the solution for last-mile e-commerce deliveries in urban areas. This resource can assist local governments, freight operators, and other stakeholders in enhancing the sustainability of their last-mile integrated operations.*

Keywords: environmental conservation, e-commerce, environment, last-mile shipping, metropolitan delivery, green final mile, systematic literature review