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## ACCEPTED MANUSCRIPT

# Robust design and operations of hydrocarbon biofuel supply chain integrating with existing petroleum refineries considering unit cost

objective

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#### Abstract

This paper addresses the optimal design and planning of the advanced hydrocarbon biofuel supply chain with the unit cost objective. Benefited from the drop-in properties of advanced hydrocarbon biofuels, the supply chain takes advantage of the existing petroleum infrastructure, which may lead to significant capital and transportation savings.

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