UNIVERSITAS KRISTEN PETRA

Gan Shu San <gshusan@petra.ac.id>

Invitation to Peer Review #ANOR-D-21-00726

1 message

Héctor Cancela <em@editorialmanager.com> Mon, Aug 16, 2021 at 12:20 AM
Reply-To: Héctor Cancela <cancela@fing.edu.uy>
To: Shu-San Gan <gshusan@peter.petra.ac.id>

Manuscript Number: ANOR-D-21-00726

Title: Pricing decision for a closed-loop supply chain with technology licensing under collection and remanufacturing cost disruptions

Dear Professor Gan,

The above mentioned manuscript has been submitted to the Annals of Operations Research for possible publication. May I ask you to kindly referee it, or to recommend a suitable person who could do so? Please let us know as soon as possible if you will be able to do this.

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Your username is: Shu-SanGan

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Please either accept or decline this invitation online. Please DO NOT send your reply by return email.

If you have any questions, please do not hesitate to contact us. We appreciate your assistance.

Sincerely,

Prof. Héctor Cancela
Guest Editor
Annals of Operations Research

Abstract:
Closed-loop supply chain (CLSC) management faces challenges collection and remanufacturing cost disruption challenges. This study explores a CLSC system wherein original equipment manufacturers (OEMs) license the third-party remanufacturer (TPR) to bear the remanufacturing activities and investigate pricing decisions in the CLSC, while considering collection and remanufacturing cost disruptions. To obtain the optimal pricing strategy, we developed game theory models under disruptions for both centralized and decentralized CLSCs. Based on theoretical and numerical analyses, we obtained the following results: (1) whether or not interference events occur, the centralized supply chain can better encourage consumers to participate in the collection of used products than a decentralized supply chain. (2) When collection disruption in a large positive region or the remanufacturing cost disruption in a large negative region occurs, OEM and TPR profits will greatly increase, and OEM will raise the licensing fee to extract more profit from the remanufacturing activity. (3) A certain robust region exists for the retail price and wholesale price when the supply chain faces disruptions arises. (4) When the supply chain faces the disruptions, it has great influence on the OEM's licensing fee but little on the TPR's acquisition price.

Please note: As a reviewer you are encouraged to check the manuscript's Data Availability statement, where included, to determine if a reasonable effort has been made to make data and code available for replication or reuse. Peer reviewers are entitled to request access to underlying data (and code) when needed to perform their evaluation of a manuscript.

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Gan Shu San <gshusan@petra.ac.id>

Thank you for Reviewing #ANOR-D-21-00726 - [EMID:1380aa11f2614f1b]

1 message

Annals of Operations Research (ANOR) <em@editorialmanager.com> Mon, Sep 6, 2021 at 8:04 PM
Reply-To: "Annals of Operations Research (ANOR)" <sarvagnan.subramanian@springer.com>
To: Shu-San Gan <gshusan@peter.petra.ac.id>

Dear Professor Gan,

Thank you for your review of the manuscript ANOR-D-21-00726, "Pricing decision for a closed-loop supply chain with technology licensing under collection and remanufacturing cost disruptions" for the Annals of Operations Research. I greatly appreciate your valuable assistance.

With kind regards,

Héctor Cancela, PhD.

Guest Editor

Annals of Operations Research

We really value your feedback! Please spend 1 minute to tell us about your experience of reviewing - click https://springernature.eu.qualtrics.com/jfe/form/SV_cNPY5OM4ZC3PkON?J=10479

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