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Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	**Ms_CJAST_47965**
Title of the Manuscript:	**THEORETICAL AND EXPERIMENTAL ANALYSIS OF WASTE HEAT RECOVERY EFFECTIVENESS OF A DIESEL ENGINE**
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
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PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	1. The authors should examines the exhaust waste heat recovery potential of a high-efficiency, low-emissions dual fuel low temperature combustion engine using an Organic Rankine Cycle (ORC). 2. The should address the Potential improvements in fuel conversion efficiency (FCE) and specific emissions (NO_x and CO_2) with hot exhaust gas recirculation (EGR) and ORC turbocompounding. 3. The novelty of current investigation should address clearly and update the introductions with the following literatures: Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Effects of thermal radiation, viscous and Joule heating on electrical MHD nanofluid with double stratification. *Chinese Journal of Physics*, *55*(3), 630-651. Daniel, Y. S., & Daniel, S. K. (2015). Effects of buoyancy and thermal radiation on MHD flow over a stretching porous sheet using homotopy analysis method. *Alexandria Engineering Journal*, *54*(3), 705-712. Daniel, Y. S. (2016). Laminar convective boundary layer slip flow over a flat plate using homotopy analysis method. *Journal of The Institution of Engineers (India): Series E*, *97*(2), 115-121. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Entropy analysis in electrical magnetohydrodynamic (MHD) flow of nanofluid with effects of thermal radiation, viscous dissipation, and chemical reaction. *Theoretical and Applied Mechanics Letters*, *7*(4), 235-242. Daniel, Y. S. (2015). Steady MHD laminar flows and heat transfer adjacent to porous stretching sheets using HAM. *American journal of heat and mass transfer*, *2*(3), 146-159. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Effects of slip and convective conditions on MHD flow of nanofluid over a porous nonlinear stretching/shrinking sheet. *Australian Journal of Mechanical Engineering*, *16*(3), 213-229. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Numerical study of Entropy analysis for electrical unsteady natural magnetohydrodynamic flow of nanofluid and heat transfer. *Chinese Journal of Physics*, *55*(5), 1821-1848. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Impact of thermal radiation on electrical MHD flow of nanofluid over nonlinear stretching sheet with variable thickness. *Alexandria engineering journal*, *57*(3), 2187-2197. Daniel, Y. S. (2017). MHD laminar flows and heat transfer adjacent to permeable stretching sheets with partial slip condition. *Journal of Advanced Mechanical Engineering*, *4*(1), 1-15. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Thermal stratification effects on MHD radiative flow of nanofluid over nonlinear stretching sheet with	

	variable thickness. *Journal of Computational Design and Engineering*, *5*(2), 232-242. Daniel, Y. S. (2016). Steady MHD boundary-layer slip flow and heat transfer of nanofluid over a convectively heated of a non-linear permeable sheet. *Journal of Advanced Mechanical Engineering*, *3*(1), 1-14.	
Minor REVISION comments		
Optional/General comments		

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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