

Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_92141
Title of the Manuscript:	Engine Performance and Exhaust Emissions from Sandbox (Hura crepitans) Seed Methyl Ester
Type of the Article	Original Research 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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	<ol style="list-style-type: none">1. The preparation of Sandbox (Hura crepitans) Seed Methyl Ester is interesting.2. Figure 5. BSFC against Engine load is wrong. At zero load the SFC becomes infinitive.3. Figure 6. Thermal efficiency against Engine load is wrong. The thermal efficiency values are very high which is impractical. Check the data and calculations.4. Include the properties and characterization of Sandbox (Hura crepitans) Seed Methyl Ester5. Include error analysis.6. Improve the Figure 3. Engine test setup7. You may include the relevant literatures such as:<ol style="list-style-type: none">i. Kanthasamy, P., Selvan, V.A.M. & Shanmugam, P. Investigation on the performance, emissions and combustion characteristics of CRDI engine fueled with tallow methyl ester biodiesel blends with exhaust gas recirculation. <i>J Therm Anal Calorim</i> 141, 2325–2333 (2020). https://doi.org/10.1007/s10973-020-09770-0ii. T. Pushparaj, S. Ramabalan & V. Arul Mozhi Selvan (2015) Performance Evaluation and Exhaust Emission of a Diesel Engine Fueled with CNSL Biodiesel, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 37:18, 2013-2019, https://doi.org/10.1080/15567036.2011.643343iii. Arul Mozhi Selvan, V., Anand, R.B. and Udayakumar, M., 2008, November. Stability and performance characteristics of diesohol using biodiesel as additive in compression ignition engine. In Proceedings of the International conference on Fascinating Advances in Mechanical Engineering, India (pp. 667-673).	
Minor REVISION comments	Nil	
Optional/General comments	Nil	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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