

Review of: "Biofuels and nanocatalysts: A Data Mining study"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

Reviewer comments #:

The main topic of the paper "Biofuels and nanocatalysts: A Data Mining study" was reviewed. Generally, the topic and the research area of the manuscript is worthy of investigation. The Article requires minor modification to be published. I have the following comments that the authors should implement in the revised manuscript before publication, please see the minor comments below:

1. The abstract is good but still need improvement and included more specific information (number or percentage %) about how the Biofuels and nanocatalysts inhibit air pollution.
2. In general, the section of introduction is written well but the authors should be included specific details about the biofuel and nanocatalysts.
3. The authors should be defining the CeO₂ nanoparticles before mentioned in the sentence.
4. Introduction: The connection between the aim of this article and the literature gaps should be better described, thus giving more strength to the reason behind this work.
5. Figure 1 need more explanation with better analysis
6. Please add reference to Figure 5 and the sentence of "Biodiesel is the safest alternative automotive fuel with low particulate and hydrocarbon emissions".
7. The authors should be defining the NO_x emissions, HC and CO before mentioned in the sentence.
8. The authors mentioned that "One of the limitations of biodiesel as a fuel for IC engines is its high viscosity which increases NO_x emissions" please explain the other important reasons such as high oxygen content in biodiesel properties and high combustion temperature of biodiesel which result in increasing the NO_x emissions.
9. I Suggest authors to define all abbreviations and included in a table at the end of the article before the References section.
10. The conclusion section is too short, therefore please rewrite this section and include the main conclusions you obtained from this study.

Thank you