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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_3946** |
| Title of the Manuscript: | **Study on wooden charcoal as adsorbent material to reduce CO2 in the exhaust gases of CI engines running on different blends of biodiesel** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**IOP Conf. Series: Materials Science and Engineering 402 (2018) 012199**

**DOI 10.1088/1757-899X/402/1/012199**

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| PART 1: Comments | | |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This study aims to reduce CO2 emissions from internal combustion engines by employing woody charcoal as an inexpensive adsorbent material. It encourages the transition to renewable and non-edible biofuels by demonstrating the potential of biodiesel blends made from cottonseed and neem oil. The study also explores CO2 collection methods using adsorbents to assist governments and companies in implementing cleaner energy sources.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Most of the references are 2009-2018. Please add some references from High IF journals like Science Direct, Nature, Springer, ACS, and recent references like (2022-2025).** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Needs to be improved. Double-check the Grammar. |  |
| Optional/General comments | 1. Correct the subscript CO2 = CO2 in the introduction section. 2. Rearrange Figure 1 (b), formatting all the pictures same direction. 3. Sometimes use a dot (.) after Heading 1, and sometimes it is missing. Please choose one, which is correct. Remove unnecessary styles; several styles are found after section 4.1 and Figure 2. 4. Lowercase and uppercase are mixed in the manuscript. Please remove it. 5. Used the same font and size in the whole document. The graphs don’t match in the manuscript font. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Lotif Gazi, Dhaka University of Engineering & Technology, Bangladesh**